AIPHONE

IX System

IP network-compatible intercom

IX Support Tool Setting Manual

Software version 2.0.0.0 or later

Before configuring and using the system, read Setting Manual and Operation Manual (PDF) carefully.
*For the installation and connection of each device, refer to Installation Manual.

Important

- **Begin installation after reading and understanding the procedures for system configuration.**
- **The setting data should be backed up and stored in a safe location after configuration is complete.**

The illustrations and images in this manual may vary from the actual ones.

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Introduction

This manual describes the IX Support Tool in detail.

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

For any questions concerning how to use or set up the tool, see our Web site "http://www.aiphone.net/."

1. Notational symbols in this manual

The following symbols identify important information concerning operational procedures.

Caution	Indicates important instructions that should be observed or avoided. Please read and understand before proceeding.
Important	Indicates what should be known before operation. Please read and understand before proceeding.
Point	Indicates tips and additional information for the operation.

- Page references are shown as "➤ **P. XX**."
- The screen shots in this manual may vary from the actual ones.

2. Device type

The stations are shown as below.

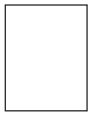
Device type	Example Model Names
Master Station	IX-MV
Video Door Station	IX-DA, IX-DF, IX-DF-HID-I*1, IX-DF-HID *1, IX-DF-2RA*1, IX-DF-PI*2, IX-DF-P*2
Audio Only Door Station	IX-BA, IX-SS, IX-SS-2RA*1

*1 North America Only

*2 Except North America

3. Product manuals

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

	Installation Manual (Comes with Master Station or Door Station.) Refer to when installing and connecting Master Station and Door Station. (For installer)
	**Quick Start Programming Guide (Comes with Master Station.)** Describes how to configure a basic IX system. (For system administrator)
DVD-ROM This comes with Master Station.	**IX Support Tool Setting Manual (Electronic format (PDF file).)** Describes how to configure and maintain the system using IX Support Tool. (For system administrator)
	IX Master Station Operation Manual (Electronic format (PDF file).) Describes how to operate Master Station. (For user)
	IX Door Station Operation Manual (Electronic format (PDF file).) Describes how to operate Door Station. (For user)
	IX Master Station Web Setting Manual (Electronic format (PDF file).) Describes how to set up Master Station for the Internet connection. (For system administrator)
	IX Door Station Web Setting Manual (Electronic format (PDF file).) Describes how to set up Door Station for the Internet connection. (For system administrator)
	IX-MV Installation Manual (Electronic format (PDF file).) Describes how to install Master Station. (For system administrator and Installer)
	IX-DA, IX-BA Installation Manual (Electronic format (PDF file).) Describes how to install Door Station. (For system administrator and Installer)
	Quick Start Programming Guide (Electronic format (PDF file).) Describes how to configure a basic IX system. (For system administrator)

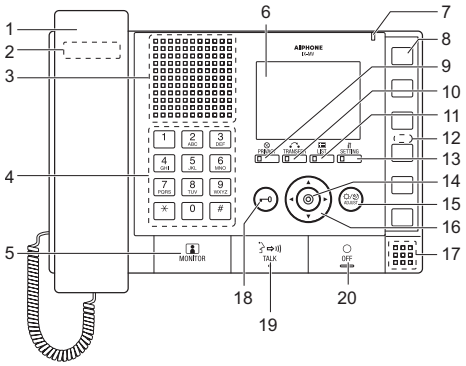
Point

This manual describes how to set up IX Support Tool. For Web configuration of the stations, refer to IX Master Station Web Setting Manual and IX Door Station Web Setting Manual.

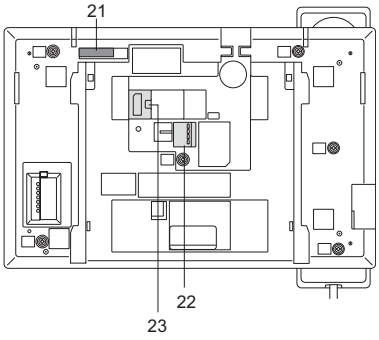
4. Station description

4.1. Master Station (IX-MV)

■ Part names



Back



1	Handset	13	SETTING button / Setting indicator (blue)
2	Hook switch	14	Select button
3	Speaker	15	ADJUST button
4	Keypad	16	Up/Down and L/R buttons
5	MONITOR button	17	Microphone
6	Color LCD monitor	18	Door Release button
7	Status indicator (orange/blue)	19	TALK button / Talk indicator (blue)
8	Speed Dial buttons (x 6)	20	OFF button
9	PRIVACY button / Privacy indicator (blue)	21	MAC address
10	TRANSFER button / Transfer indicator (orange)	22	Low voltage cable connection
11	LIST button / List indicator (blue)	23	CAT5e/6 cable connector
12	RESET button (beneath the name plate)*		

* Press and hold the reset button for longer than 1 second, then release to restart station.

■ Indicators

: On; □: Off

Name	Status (pattern)		Description
Status indicator	Orange flashing	Normal flashing → 0.75 sec → □ 0.75 sec ┐	Booting
		Fast flashing → 0.25 sec → □ 0.25 sec ┐	Device error
		Long interval flashing → 0.5 sec → □ 4 sec ┐	Communication failure
		Long irregular flashing → 1 sec → □ 0.25 sec → 0.25 sec → □ 0.25 sec → 0.25 sec → □ 0.25 sec ┐	Firmware version upgrading
		Short irregular flashing → 1 sec → □ 0.25 sec → 0.25 sec → □ 0.25 sec ┐	Initializing
	Blue light		During communication, Standby (Depends on setting)

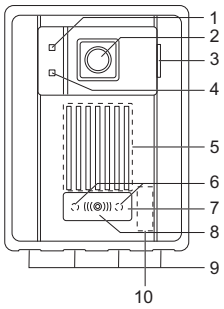
Point

- For a status other than those noted here, refer to IX Master Station Operation Manual.
- The default language for the master station's display is English.

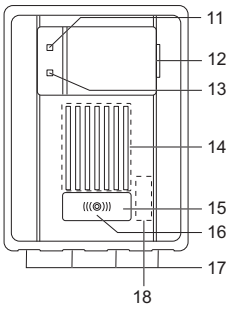
4.2. Video Door Station (IX-DA) / Audio Only Door Station (IX-BA)

■ Part names

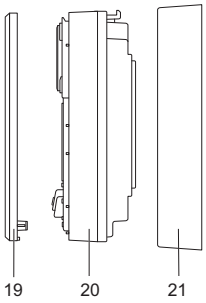
IX-DA
(Video Door Station)



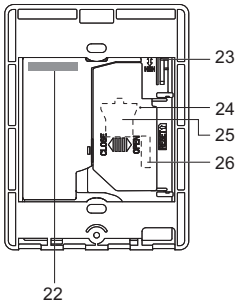
IX-BA
(Audio Only Door Station)



Side



Back



1	Call indicator (orange)	14	Speaker
2	Camera	15	Call Button
3	Microphone	16	Status indicator (red)
4	Communication indicator (green)	17	Drain holes (4)
5	Speaker	18	MAC address (beneath the panel)
6	LED for night illumination	19	Panel
7	Call Button	20	Main unit
8	Status indicator (red)	21	Mounting frame
9	Drain holes (4)	22	MAC address
10	MAC address (beneath the panel)	23	Camera angle adjustment lever (Video Door Station only)
11	Call indicator (orange)	24	Reset button*
12	Microphone	25	CAT5e/6 cable connector
13	Communication indicator (green)	26	Option connector

* Press and hold the reset button for longer than 1 second, then release to restart station.

■ Indicators

: On; □: Off

Name	Status (pattern)		Description
Status indicator	Red flashing	Normal flashing → 0.75 sec → □ 0.75 sec ┐	Booting
		Fast flashing → 0.25 sec → □ 0.25 sec ┐	Device error
		Long interval flashing → 0.25 sec → □ 4 sec ┐	Communication failure
		Long irregular flashing → 1 sec → □ 0.25 sec → 0.25 sec → □ 0.25 sec → 0.25 sec → □ 0.25 sec ┐	Firmware version upgrading
		Short irregular flashing → 1 sec → □ 0.25 sec → 0.25 sec → □ 0.25 sec ┐	Initializing
	Red light		Standby

Point

For a status other than those noted here, refer to Door Station Operation Manual.

5. 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 is the recommended method.

(1) Configure the system using the "IX Support Tool" application

- Install the application on a PC and use to create the configuration for all stations.
- Search for IX stations on the network; assign and upload configuration data for the system.
- Monitor the system for failures.

(2) Configure each station through a Web browser (WEB Settings Access)

- Access each station through a Web browser, and configure each station individually.
- When using the Web browser method, each station must be configured separately.
- When configuring the system through a browser, the IX Support Tool cannot be used. For more detail, refer to Web Setting Manual for each station.

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 the settings configured with IX Support Tool are altered through a browser, some items may not be correctly updated within the IX Support Tool data.**
- **Save the settings after configuring the system.**

6. Flowcharts for configuring the system

When configuring the system using IX Support Tool, follow the flowchart that fits the application.

Save the settings after configuring the system. Otherwise, it may become impossible to restore the settings after maintenance or after-sales servicing.

Flowcharts are for configuration using IX Support Tool.

To configure a station through a Web browser, refer to Web Setting Manual for each station.

■ For Static IPv4 Address

● Create new data

Use flowchart to create new configuration, e.g., when installing a new system.

1. Set "Language."
"3. Language" ➤ P.95

↓

2. "New System."
"1.1. Create New System" ➤ P.81

↓

3. Configure using "Settings (Table View)."
Configure the station according to the description of each item. "System settings (Settings (Table View))" ➤ P.107

↓

4. Install all stations.
Note the MAC addresses of all the stations.

↓

5. Associate the created setting data to each station.
"4.2. Association Settings" ➤ P.97
Each station will be restarted, and "Number" and "IP Address" will be registered in each station.

↓

6. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ P.85

↓

7. Set the clock of each station.
Refer to IX Master Station Operation Manual.

↓

8. Set "LANGUAGE" of each Master Station.
Refer to IX Master Station Operation Manual.

↓

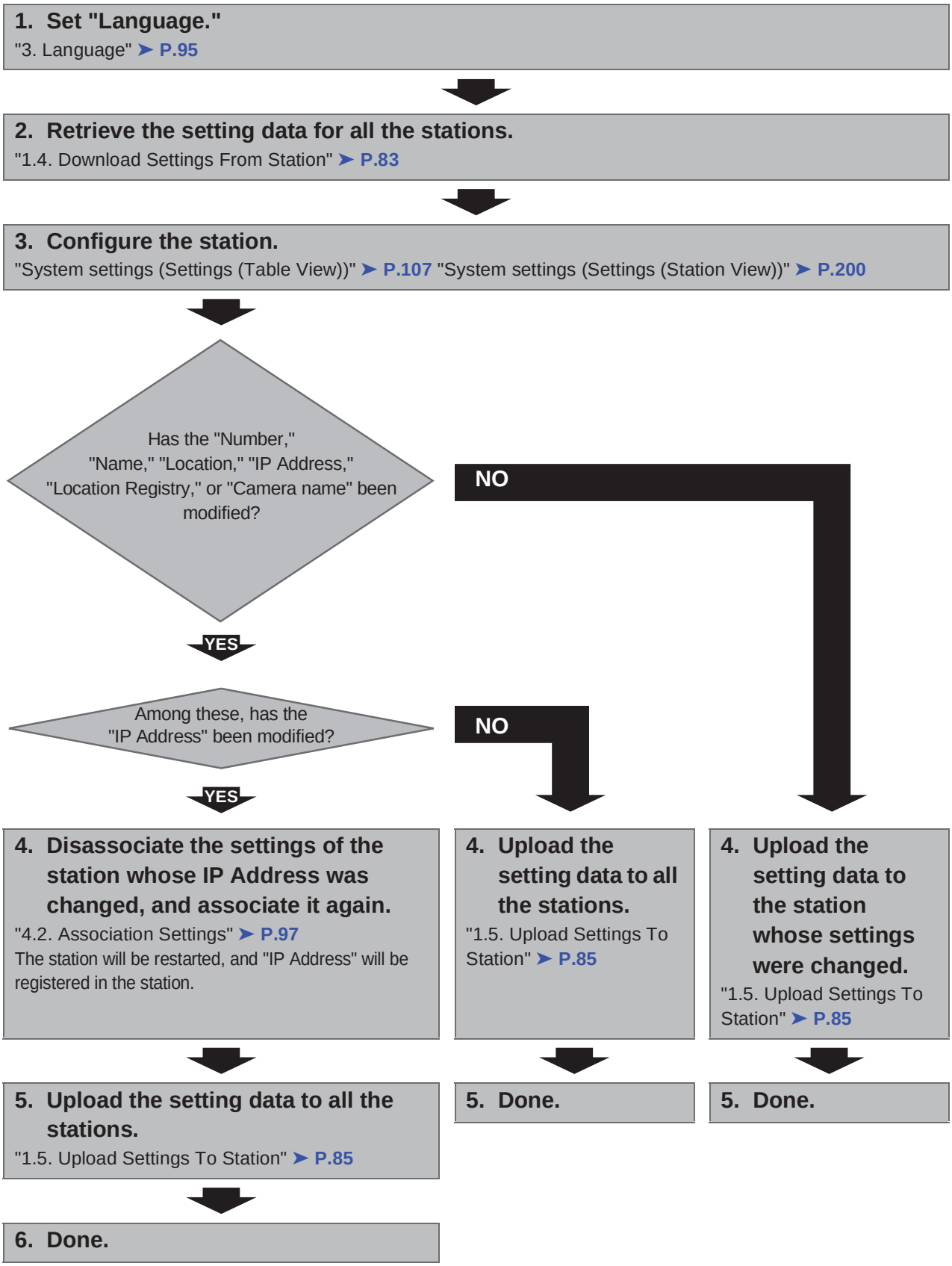
9. Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● To change the Settings (For Static IPv4 Address)

Use flowchart to change the settings.



Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

- **To add a station (For Static IPv4 Address)**

Use flowchart to add a station.

1. Set "Language."
"3. Language" ➤ **P.95**

↓

2. Retrieve the setting data for all the stations.
"1.4. Download Settings From Station" ➤ **P.83**

↓

3. Add the setting data.
"System settings (Settings (Table View))" ➤ **P.107**
First, add the station data to "1. Station Information" ➤ **P.108**.

↓

4. Install the station to be added.

↓

5. Associate the setting data to the added station.
"4.2. Association Settings" ➤ **P.97**

↓

6. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ **P.85**

↓

7. Set the clock of the added station.
"1.3. Time" ➤ **P.113**

↓

8. Set "LANGUAGE" of the added Master Station.
Refer to IX Master Station Operation Manual.

↓

9. Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To delete a station (For Static IPv4 Address)**

Use flowchart to delete a station.

1. Set "Language."
"3. Language" ➤ **P.95**

↓

2. Retrieve the setting data for all the stations.
"1.4. Download Settings From Station" ➤ **P.83**

↓

3. Delete the data of the station to be deleted.
"1.1.1. Remove Station" ➤ **P.110**

Caution
If a page is placed without deleting the station from the system, the operation may be delayed.

↓

4. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ **P.85**

↓

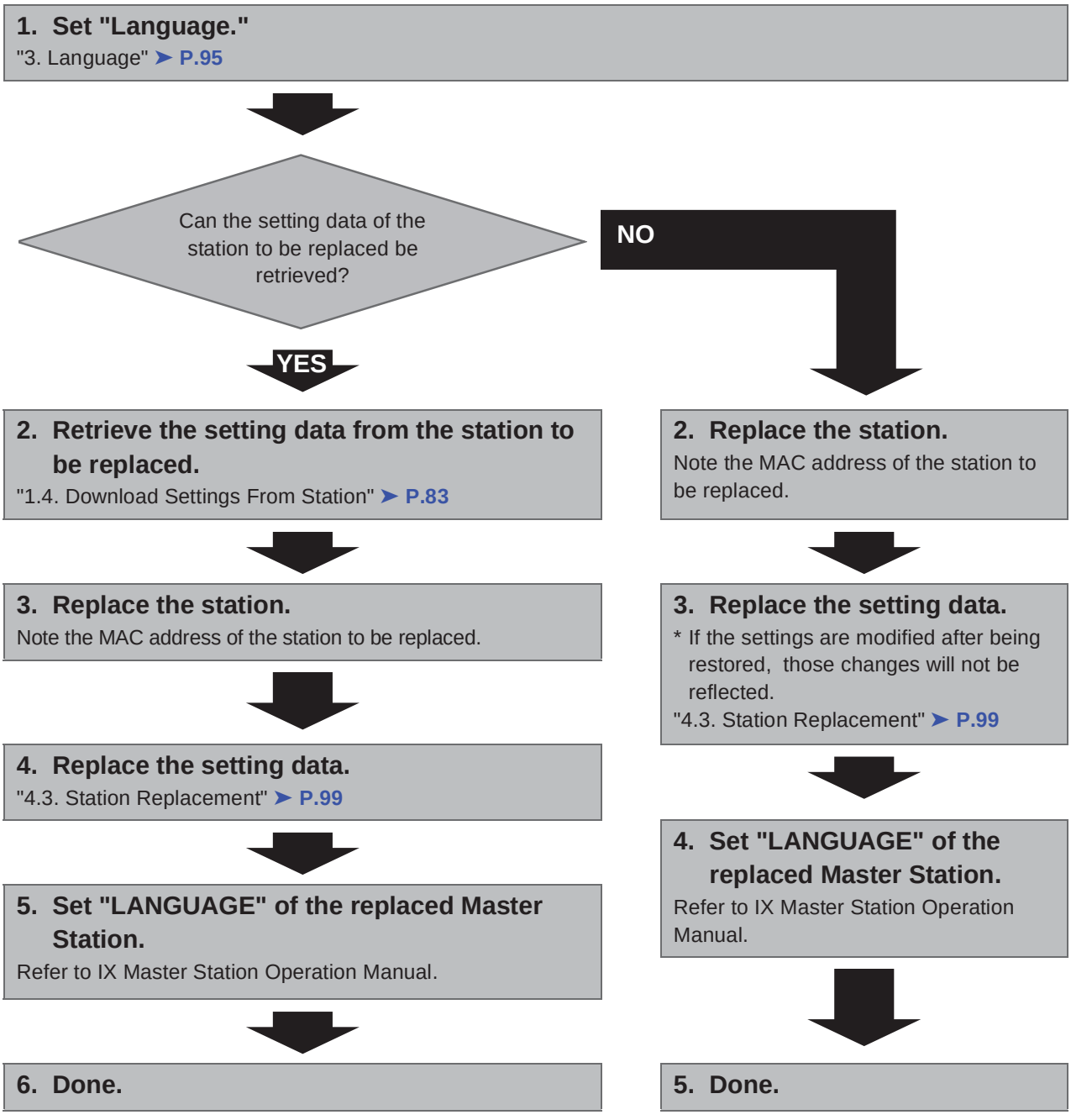
5. Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To replace a station (For Static IPv4 Address)**

Use flowchart to replace a station.



Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

■ For IPv4 address with DHCP

● Create new data

Use flowchart to create new configuration, e.g., when installing a new system.

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

↓

2. Set "Language."
"3. Language" ➤ P.95

↓

3. "New System."
"1.1. Create New System" ➤ P.81

↓

4. Configure using "Settings (Table View)."
Configure the station according to the description of each item. "System settings (Settings (Table View))" ➤ P.107

↓

5. Install all stations.
Note the MAC addresses of all the stations.

↓

6. Associate the created setting data to each station.
"4.2. Association Settings" ➤ P.97
Each station is restarted and the IP address assigned by DHCP server will be assigned.
If a DHCP address cannot be assigned, it will default to "192.168.1.160."

↓

7. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ P.85

↓

8. Set up the clock of each station.
"1.3. Time" ➤ P.113

↓

9. Set "LANGUAGE" of each Master Station.
Refer to IX Master Station Operation Manual.

↓

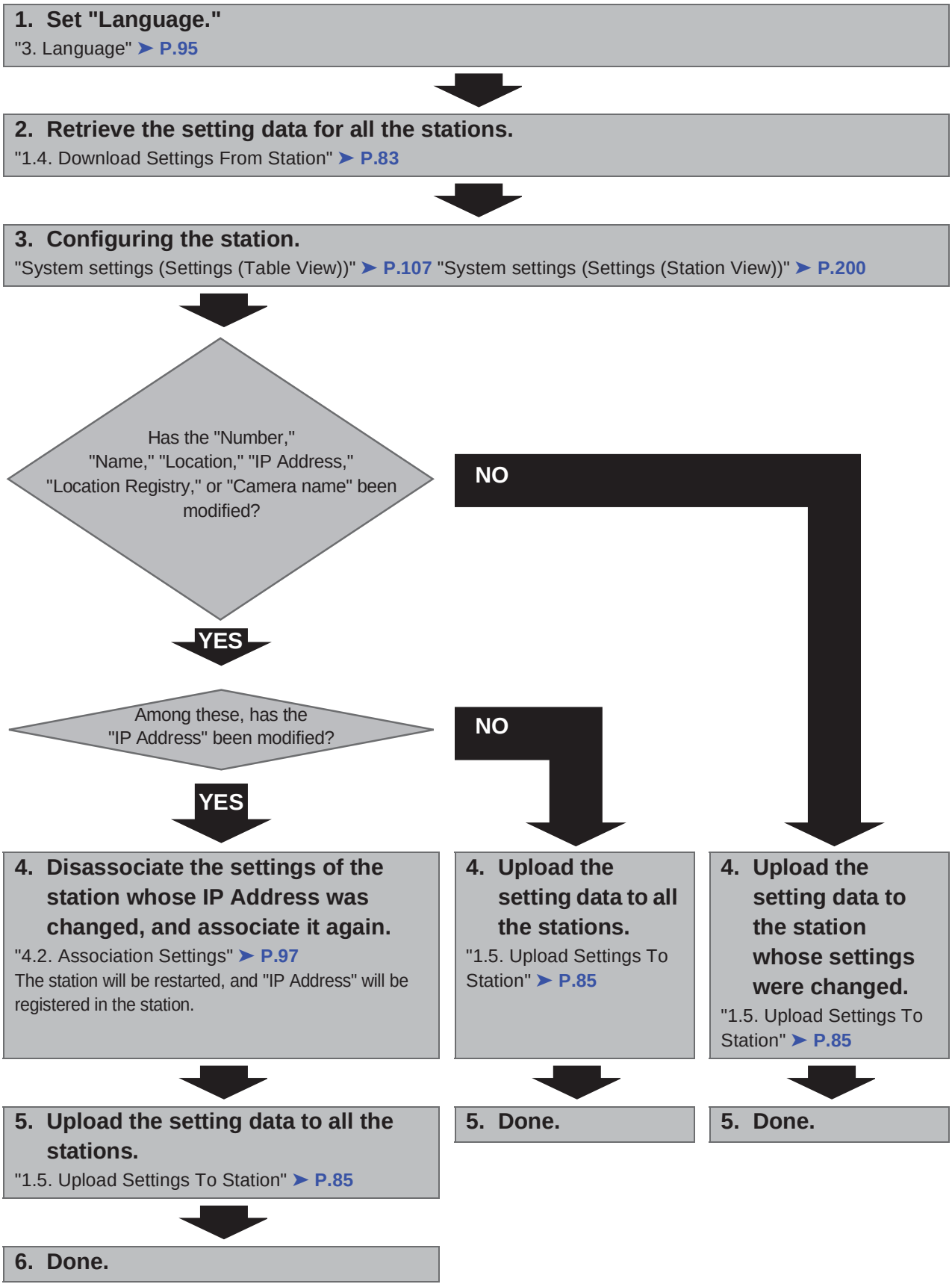
10.Done.

Important

- **Due to the architecture of the IX system, DHCP configuration is only recommended for network environments utilizing managed (static) IP address leasing.**
- **Save the settings after configuring the system.**
  Refer to "■Where the setting file is saved" ➤ P.82.
  If the setting file is lost, station settings will need to be reconfigured.

- **To change the Settings (For IPv4 Address with DHCP)**

Use flowchart to change the Settings.



Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

- **To add a station (For IPv4 Address with DHCP)**

Use flowchart to add a station.

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

↓

2. Set "Language."
"3. Language" ➤ **P.95**

↓

3. Retrieve the setting data for all the stations.
"1.4. Download Settings From Station" ➤ **P.83**

↓

4. Add the setting data.
"System settings (Settings (Table View))" ➤ **P.107**
First, add the station data to "1. Station Information" ➤ **P.108**.

↓

5. Install the station to be added.

↓

6. Associate the setting data to the added station.
"4.2. Association Settings" ➤ **P.97**
The station is restarted and the IP address assigned by DHCP server will be assigned.
If a DHCP address cannot be assigned, it will default to "192.168.1.160."

↓

7. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ **P.85**

↓

8. Set the clock of the added station.
"1.3. Time" ➤ **P.113**

↓

9. Set "LANGUAGE" of the added Master Station.
Refer to IX Master Station Operation Manual.

↓

10.Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To delete a station (For IPv4 Address with DHCP)**

Use flowchart to delete a station.

1. Set "Language."
"3. Language" ➤ P.95

2. Retrieve the setting data for all the stations.
"1.4. Download Settings From Station" ➤ P.83

3. From the setting data, delete the data of the station to be deleted.
"1.1.1. Remove Station" ➤ P.110

Caution

If a page is placed without deleting the station from the system, the operation may be delayed.

4. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ P.85

5. Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To replace a station (For IPv4 Address with DHCP)**

Use flowchart to replace a station.

1. Configure DHCP server so that the new station installed inherits the IP Address assigned to the replaced station.

↓

2. Set "Language."

"3. Language" ➤ P.95

↓

Can the setting data of the station to be replaced be retrieved?

NO → **3. Replace the station.**

Note the MAC address of the station to be replaced.

↓

4. Replace the setting data.

* If the settings are modified after being restored, those changes will not be reflected.

"4.3. Station Replacement" ➤ P.99

The station is restarted and the IP address assigned by DHCP server will be assigned.

If a DHCP address cannot be assigned, it will default to "192.168.1.160."

↓

5. Set "LANGUAGE" of the replaced Master Station.

Refer to IX Master Station Operation Manual.

↓

6. Done.

YES → **3. Retrieve the setting data from the station to be replaced.**

"1.4. Download Settings From Station" ➤ P.83

↓

4. Replace the station.

Note the MAC address of the station to be replaced.

↓

5. Replace the setting data.

"4.3. Station Replacement" ➤ P.99

The station is restarted and the IP address assigned by DHCP server will be assigned.

If a DHCP address cannot be assigned, it will default to "192.168.1.160."

↓

6. Set "LANGUAGE" of the replaced Master Station.

Refer to IX Master Station Operation Manual.

↓

7. Done.

Important

Save the settings after configuring the system.

Refer to "■Where the setting file is saved" ➤ P.82.

If the setting file is lost, station settings will need to be reconfigured.

■ For Static IPv6 Address

● Create new data

Use flowchart to create new configuration, e.g., when installing a new system.

1. Set "Language."
"3. Language" ➤ **P.95**

↓

2. "New System."
"1.1. Create New System" ➤ **P.81**

↓

3. Configure using "Settings (Table View)."
Configure the station according to the description of each item. "System settings (Settings (Table View))" ➤ **P.107**

↓

4. Install all stations.
Note the MAC addresses of all the stations.

↓

5. Associate the created setting data to each station.
"4.2. Association Settings" ➤ **P.97**

↓

6. Choose "IPv6" for the communication method of IX Support Tool.
"2.10. IX Support Tool Settings" ➤ **P.93**

↓

7. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ **P.85**

↓

8. Set the clock of each station.
"1.3. Time" ➤ **P.113**

↓

9. Set "LANGUAGE" of each Master Station.
Refer to IX Master Station Operation Manual.

↓

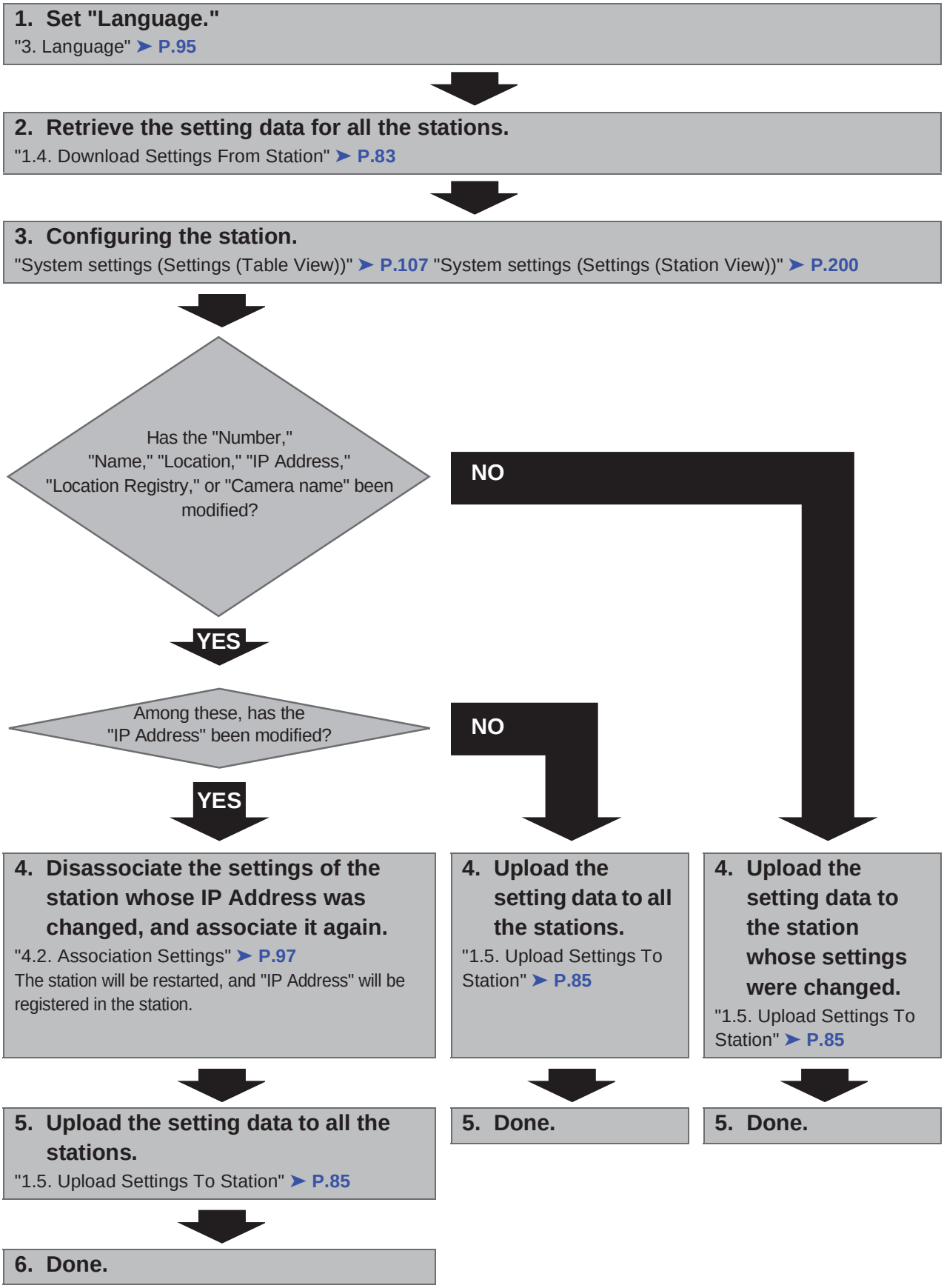
10.Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To change the Settings (For Static IPv6 Address)**

Use flowchart to change the Settings.



Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To add a station (For Static IPv6 Address)**

Use flowchart to add a station.

1. Set "Language."
"3. Language" ➤ **P.95**

↓

2. Retrieve the setting data for all the stations.
"1.4. Download Settings From Station" ➤ **P.83**

↓

3. Choose "IPv4" for the communication method of IX Support Tool.
"2.10. IX Support Tool Settings" ➤ **P.93**

↓

4. Add the setting data.
" System settings (Settings (Table View))" ➤ **P.107**
First, add the station data to "1. Station Information" ➤ **P.108**.

↓

5. Install the station to be added.
Note the MAC addresses of all the stations.

↓

6. Associate the setting data to the added station.
"4.2. Association Settings" ➤ **P.97**

↓

7. Choose "IPv6" for the communication method of IX Support Tool.
"2.10. IX Support Tool Settings" ➤ **P.93**

↓

8. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ **P.85**

↓

9. Set the clock of the added station.
"1.3. Time" ➤ **P.113**

↓

10.Set "LANGUAGE" of the added Master Station.
Refer to IX Master Station Operation Manual.

↓

11.Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To delete a station (For Static IPv6 Address)**

Use flowchart to delete a station.

1. Set "Language."
"3. Language" ➤ P.95

↓

2. Retrieve the setting data for all the stations.
"1.4. Download Settings From Station" ➤ P.83

↓

3. From the setting data, delete the data of the station to be deleted.
"1.1.1. Remove Station" ➤ P.110

Caution

If a page is placed without deleting the station from the system, the operation may be delayed.

↓

4. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ P.85

↓

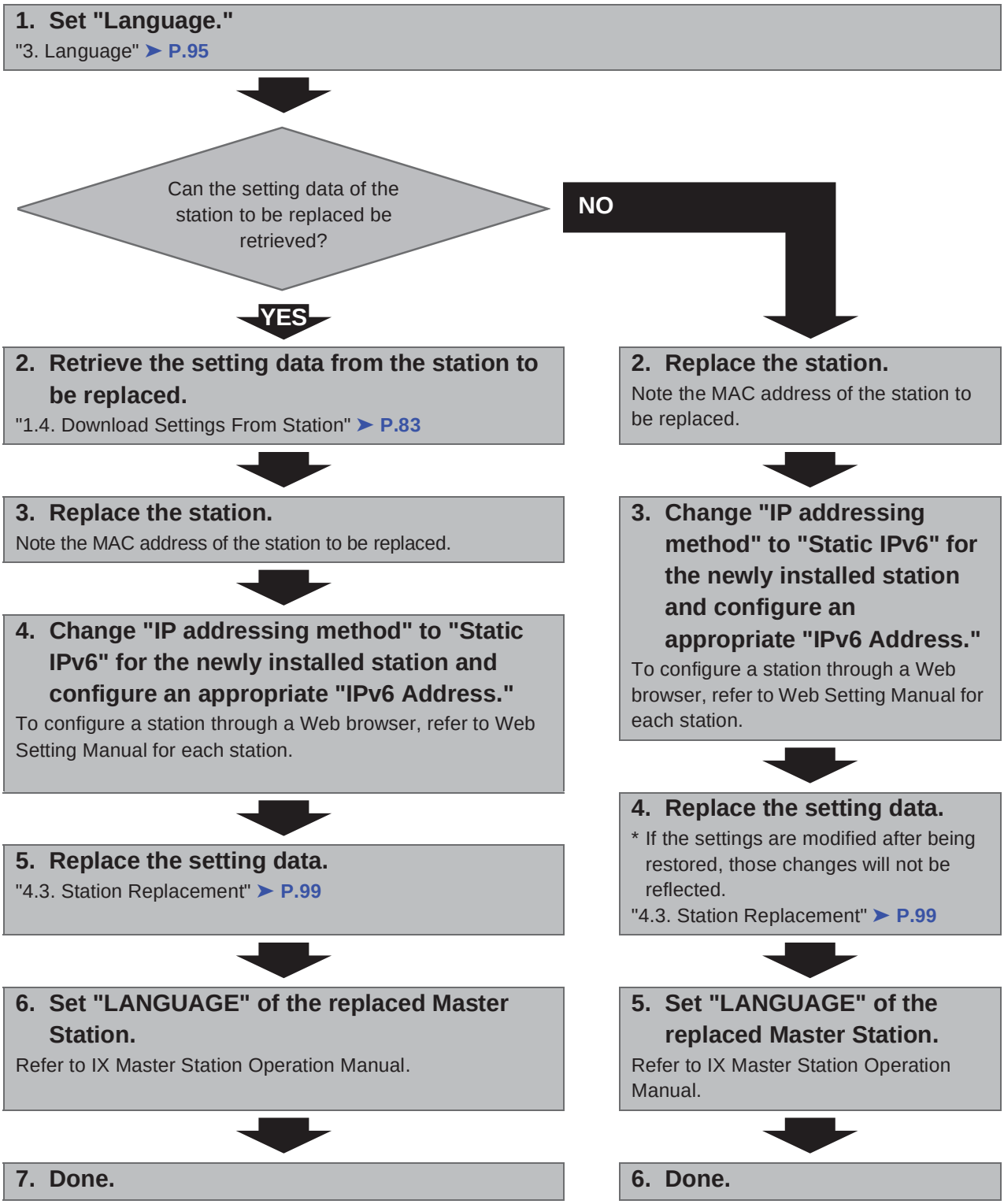
5. Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To replace a station (For Static IPv6 Address)**

Use flowchart to replace a station.



Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

■ For stateless IPv6 Address

● Create new data

Use flowchart to create new configuration, e.g., when installing a new system.

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 Advertisement (RA).
For how to set up, refer to the manual of the device.

↓

2. Set "Language."
"3. Language" ➤ P.95

↓

3. "New System."
"1.1. Create New System" ➤ P.81

↓

4. Configure using "Settings (Table View)."
Configure the station according to the description of each item. "System settings (Settings (Table View))" ➤ P.107

↓

5. Install all stations.
Note the MAC addresses of all the stations.

↓

6. Associate the created setting data to each station.
"4.2. Association Settings" ➤ P.97
Each station is restarted and IPv6 Address will be automatically configured.
If 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.

↓

7. Choose "IPv6" for the communication method of IX Support Tool.
"2.10. IX Support Tool Settings" ➤ P.93

↓

8. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ P.85

↓

9. Set the clock of each station.
"1.3. Time" ➤ P.113

↓

10.Set "LANGUAGE" of each Master Station.
Refer to IX Master Station Operation Manual.

↓

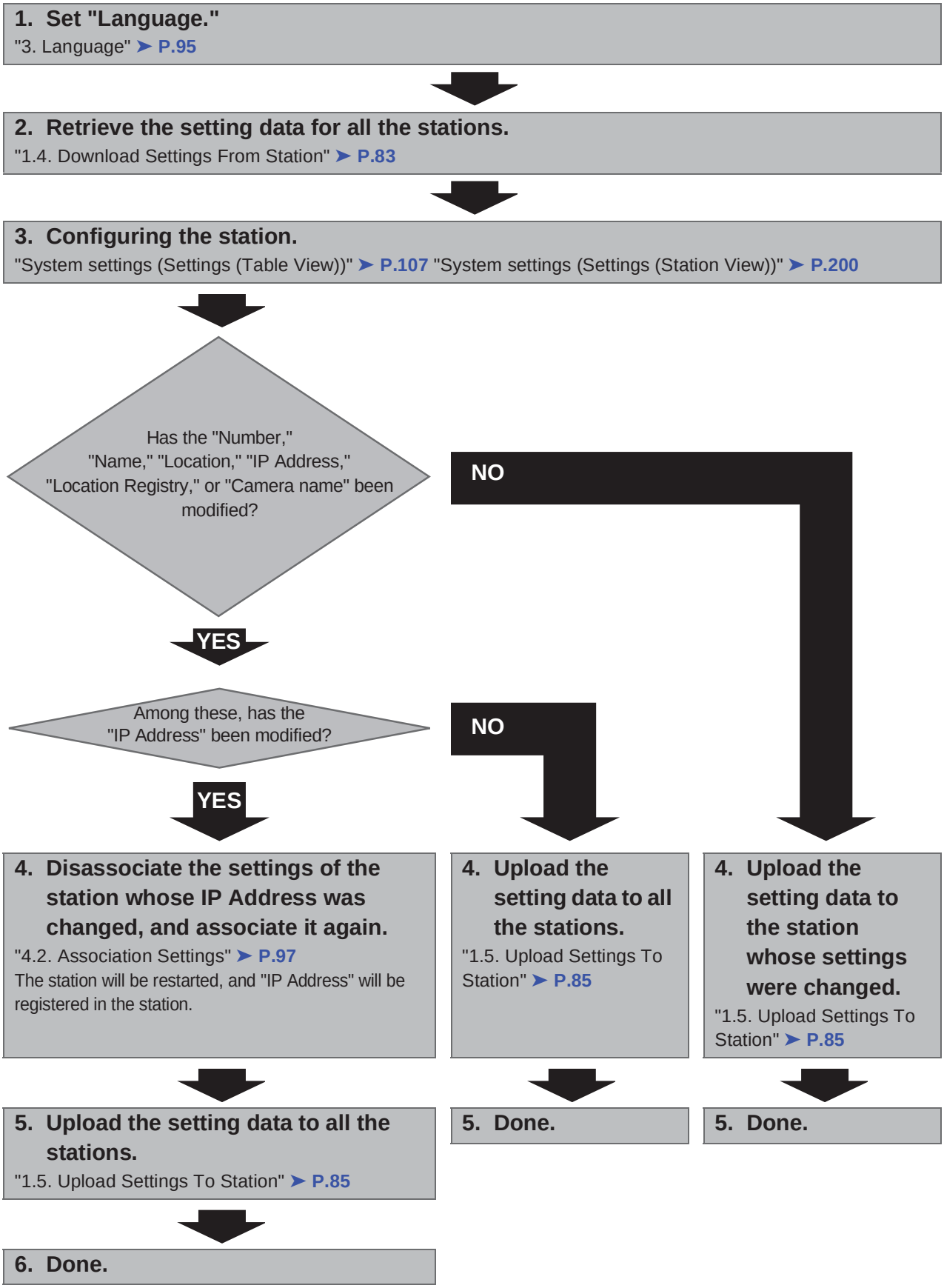
11.Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To change the Settings (For stateless IPv6 Address)**

Use flowchart to change the Settings.



Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

- **To add a station (For stateless IPv6 Address)**

Use flowchart to add a station.

1. Set "Language."
"3. Language" ➤ **P.95**

↓

2. Retrieve the setting data for all the stations.
"1.4. Download Settings From Station" ➤ **P.83**

↓

3. Add the setting data.
"System settings (Settings (Table View))" ➤ **P.107**
First, add the station data to "1. Station Information" ➤ **P.108**.

↓

4. Install the station to be added.

↓

5. Choose "IPv4" for the communication method of IX Support Tool.
"2.10. IX Support Tool Settings" ➤ **P.93**

↓

6. Associate the setting data to the added station.
"4.2. Association Settings" ➤ **P.97**
The station is restarted and IPv6 Address will be automatically configured.
If 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.

↓

7. Choose "IPv6" for the communication method of IX Support Tool.
"2.10. IX Support Tool Settings" ➤ **P.93**

↓

8. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ **P.85**

↓

9. Set the clock of the added station.
"1.3. Time" ➤ **P.113**

↓

10.Set "LANGUAGE" of the added Master Station.
Refer to IX Master Station Operation Manual.

↓

11.Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To delete a station (For stateless IPv6 Address)**

Use flowchart to delete a station.

1. Set "Language."
"3. Language" ➤ P.95

2. Retrieve the setting data for all the stations.
"1.4. Download Settings From Station" ➤ P.83

3. From the setting data, delete the data of the station to be deleted.
"1.1.1. Remove Station" ➤ P.110

Caution

If a page is placed without deleting the station from the system, the operation may be delayed.

4. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ P.85

5. Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To replace a station (For stateless IPv6 Address)**

Use flowchart to replace a station.

1. Set "Language."
"3. Language" ➤ P.95

Can the setting data of the station to be replaced be retrieved?

NO

YES

2. Retrieve the setting data from the station to be replaced.
"1.4. Download Settings From Station" ➤ P.83

3. Replace the station.
Note the MAC address of the station to be replaced.

4. Change "IP addressing method" to "Static IPv6" for the newly installed station and configure an appropriate "IPv6 Address."
To configure a station through a Web browser, refer to Web Setting Manual for each station.

5. Replace the setting data.
"4.3. Station Replacement" ➤ P.99
The station is restarted and IPv6 Address will be automatically configured.
If 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.

6. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ P.85

7. Set "LANGUAGE" of the replaced Master Station.
Refer to IX Master Station Operation Manual.

8. Done.

2. Replace the station.
Note the MAC address of the station to be replaced.

3. Change "IP addressing method" to "Static IPv6" for the newly installed station and configure an appropriate "IPv6 Address."
To configure a station through a Web browser, refer to Web Setting Manual for each station.

4. Replace the setting data.
* If the settings are modified after being restored, those changes will not be reflected.
"4.3. Station Replacement" ➤ P.99
The station is restarted and IPv6 Address will be automatically configured.
If 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. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ P.85

6. Set "LANGUAGE" of the replaced Master Station.
Refer to IX Master Station Operation Manual.

7. Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

■ For IPv6 Address with DHCP

● Create new data

Use flowchart to create new configuration, e.g., when installing a new system.

1. Verify managed DHCP environment exists and that each station has been assigned a static IP address.
DUID of the station is "00030001 + MAC address."

↓

2. Set "Language."
"3. Language" ➤ **P.95**

↓

3. "New System."
"1.1. Create New System" ➤ **P.81**

↓

4. Configure using "Settings (Table View)."
Configure the station according to the description of each item. "System settings (Settings (Table View))" ➤ **P.107**

↓

5. Install all stations.
Note the MAC addresses of all the stations.

↓

6. Associate the created setting data to each station.
"4.2. Association Settings" ➤ **P.97**
The station is restarted and the IPv6 Address assigned by DHCP server beforehand will be assigned.
If a DHCP address cannot be assigned, it will default to "FDC2::7000."

↓

7. Choose "IPv6" for the communication method of IX Support Tool.
"2.10. IX Support Tool Settings" ➤ **P.93**

↓

8. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ **P.85**

↓

9. Set the clock of each station.
"1.3. Time" ➤ **P.113**

↓

10.Set "LANGUAGE" of each Master Station.
Refer to IX Master Station Operation Manual.

↓

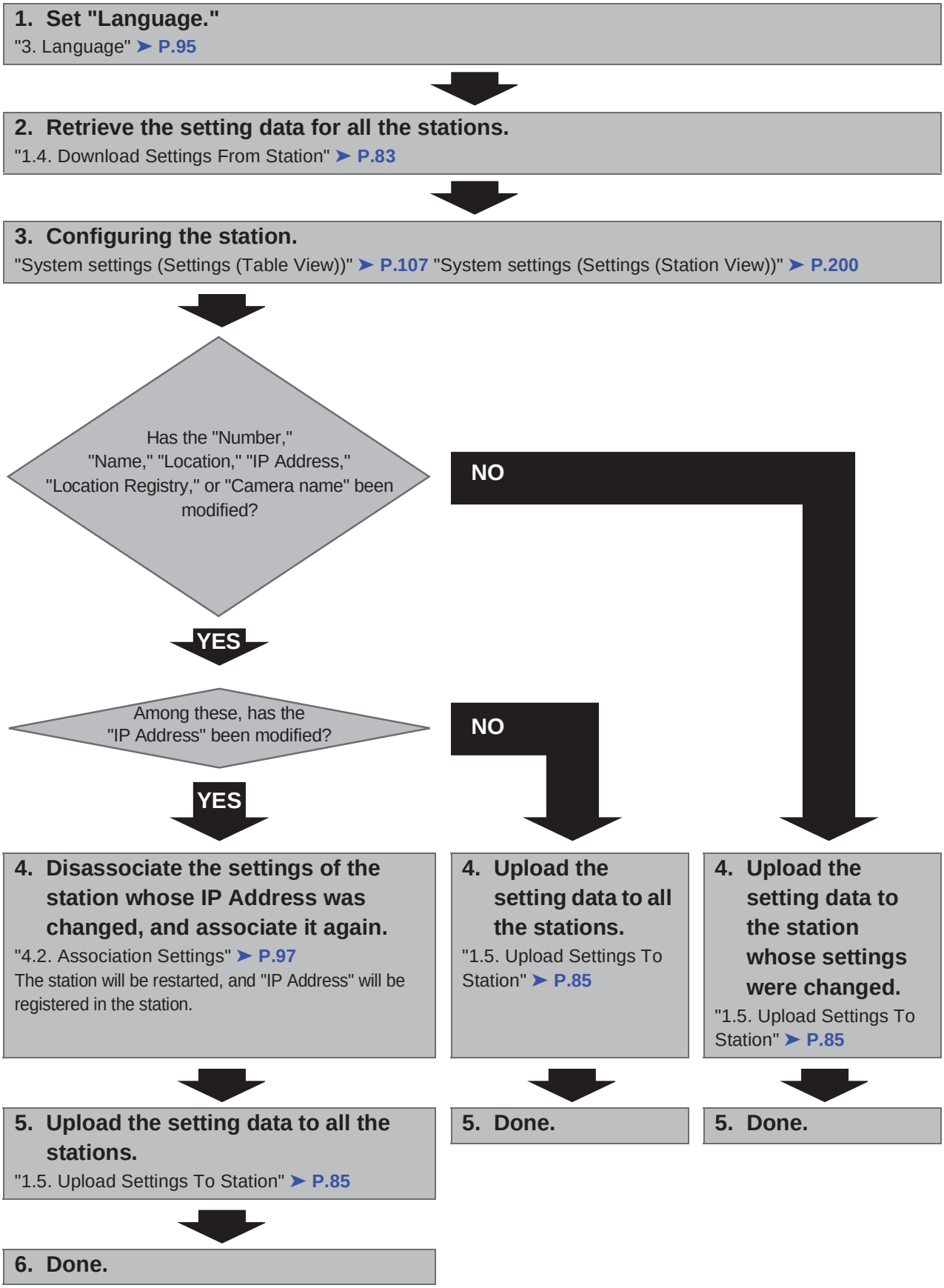
11.Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To change the Settings (For IPv6 Address with DHCP)**

Use flowchart to change the Settings.



Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

- **To add a station (For IPv6 Address with DHCP)**

Use flowchart to add a station.

1. Verify managed DHCP environment exists and that each station has been assigned a static IP address.
DUID of the station is "00030001 + MAC address."

↓

2. Set "Language."
"3. Language" ➤ **P.95**

↓

3. Retrieve the setting data for all the stations.
"1.4. Download Settings From Station" ➤ **P.83**

↓

4. Add the setting data.
"System settings (Settings (Table View))" ➤ **P.107**
First, add the station data to "1. Station Information" ➤ **P.108**.

↓

5. Install the station to be added.

↓

6. Choose "IPv4" for the communication method of IX Support Tool.
"2.10. IX Support Tool Settings" ➤ **P.93**

↓

7. Associate the created setting data to each station.
"4.2. Association Settings" ➤ **P.97**
The station is restarted and the IPv6 Address assigned by DHCP server beforehand will be assigned.
If a DHCP address cannot be assigned, it will default to "FDC2::7000."

↓

8. Choose "IPv6" for the communication method of IX Support Tool.
"2.10. IX Support Tool Settings" ➤ **P.93**

↓

9. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ **P.85**

↓

10.Set the clock of the added station.
"1.3. Time" ➤ **P.113**

↓

11.Set "LANGUAGE" of the added Master Station.
Refer to IX Master Station Operation Manual.

↓

12.Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

● **To delete a station (For IPv6 Address with DHCP)**

Use flowchart to delete a station.

1. Set "Language."
"3. Language" ➤ P.95

↓

2. Retrieve the setting data for all the stations.
"1.4. Download Settings From Station" ➤ P.83

↓

3. From the setting data, delete the data of the station to be deleted.
"1.1.1. Remove Station" ➤ P.110

Caution

If a page is placed without deleting the station from the system, the operation may be delayed.

↓

4. Upload the setting data to all the stations.
"1.5. Upload Settings To Station" ➤ P.85

↓

5. Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

- **To replace a station (For IPv6 Address with DHCP)**

Use flowchart to replace a station.

1. Configure DHCP server so that the new station installed inherits the IP Address assigned to the replaced station.

↓

2. Set "Language."
"3. Language" ➤ P.95

↓

Can the setting data of the station to be replaced be retrieved?

NO → **3. Replace the station.**
Note the MAC address of the station to be replaced.

↓

4. Change "IP addressing method" to "Static IPv6" for the newly installed station and configure an appropriate "IPv6 Address."
To configure a station through a Web browser, refer to Web Setting Manual for each station.

↓

5. Replace the setting data.
* If the settings are modified after being restored, those changes will not be reflected.
"4.3. Station Replacement" ➤ P.99
The station is restarted and the IPv6 Address assigned by DHCP server beforehand will be assigned.
If a DHCP address cannot be assigned, it will default to "FDC2::7000."

↓

6. Set "LANGUAGE" of the replaced Master Station.
Refer to IX Master Station Operation Manual.

↓

7. Done.

YES

3. Retrieve the setting data from the station to be replaced.
"1.4. Download Settings From Station" ➤ P.83

↓

4. Replace the station.
Note the MAC address of the station to be replaced.

↓

5. Change "IP addressing method" to "Static IPv6" for the newly installed station and configure an appropriate "IPv6 Address."
To configure a station through a Web browser, refer to Web Setting Manual for each station.

↓

6. Replace the setting data.
"4.3. Station Replacement" ➤ P.99
The station is restarted and the IPv6 Address assigned by DHCP server beforehand will be assigned.
If a DHCP address cannot be assigned, it will default to "FDC2::7000."

↓

7. Set "LANGUAGE" of the replaced Master Station.
Refer to IX Master Station Operation Manual.

↓

8. Done.

Important

Save the settings after configuring the system.
Refer to "■Where the setting file is saved" ➤ P.82.
If the setting file is lost, station settings will need to be reconfigured.

Startup and Configuration

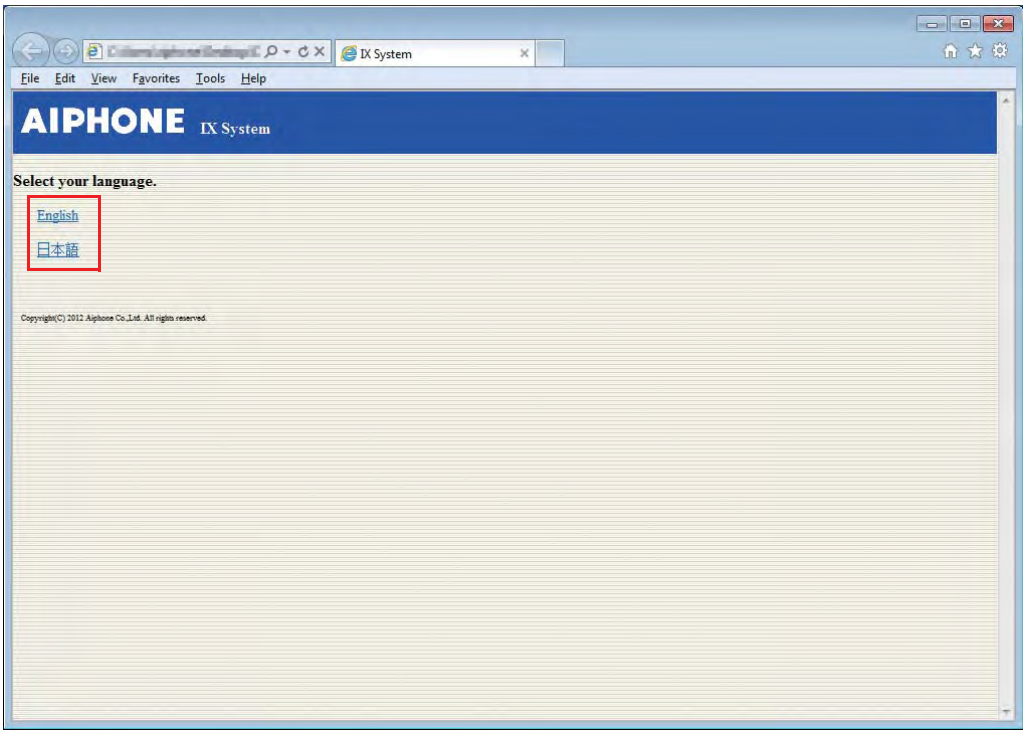
1. System requirements

PC requirements for using the IX Support Tool.

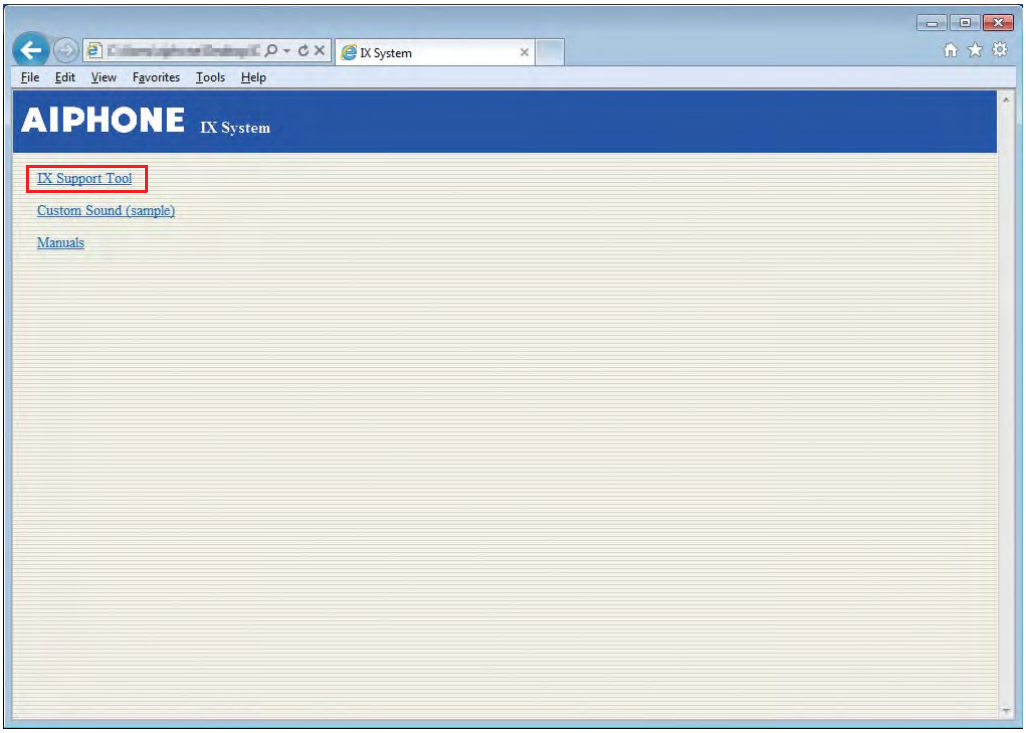
Operating System	Windows XP Professional Edition SP3 Windows 7 Professional, Windows 7 Enterprise, Windows 7 Ultimate Windows 8, Windows 8 pro, Windows 8 Enterprise
CPU	32 bit (x86) processor or 64 bit (x64) processor of 1 GHz or higher
Memory	1 GB RAM (32 bit) or 2 GB RAM (64 bit)

2. Installing IX Support Tool

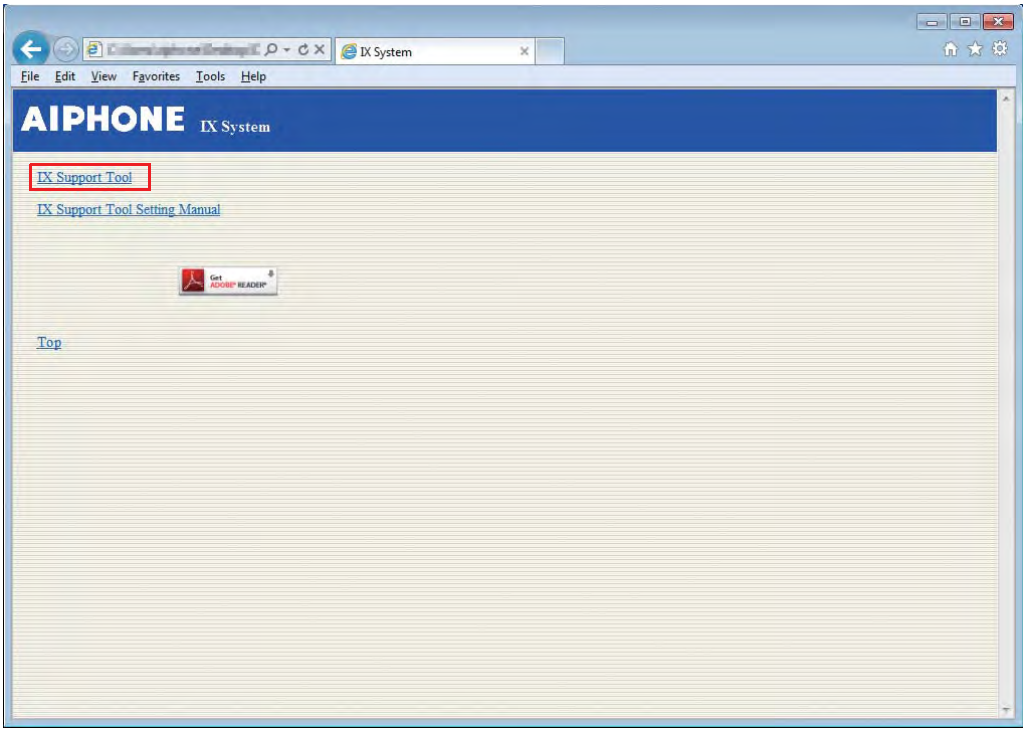
1) Insert the DVD-ROM that comes with the Master Station into the PC. When the following window is shown, select the language.



2) Click "IX Support Tool."

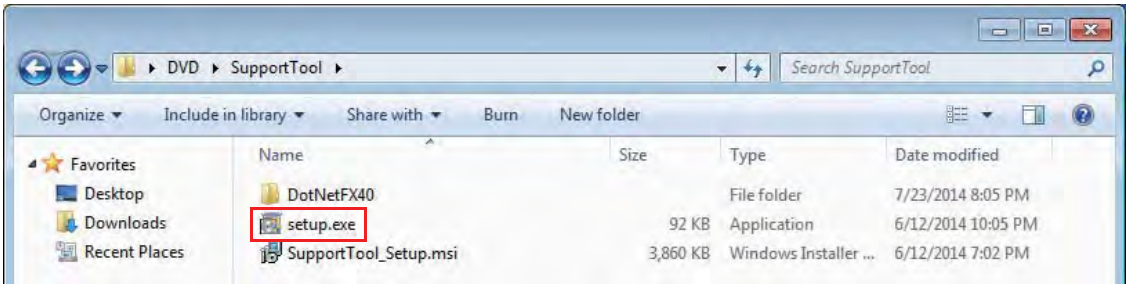


3) Click "IX Support Tool" again.

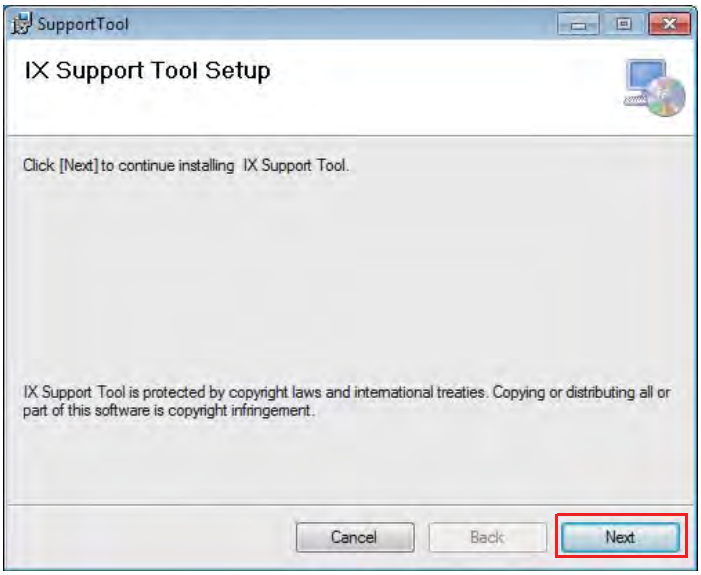


4) Next, install IX Support Tool onto PC.
Double-click "setup.exe" to install IX Support Tool.

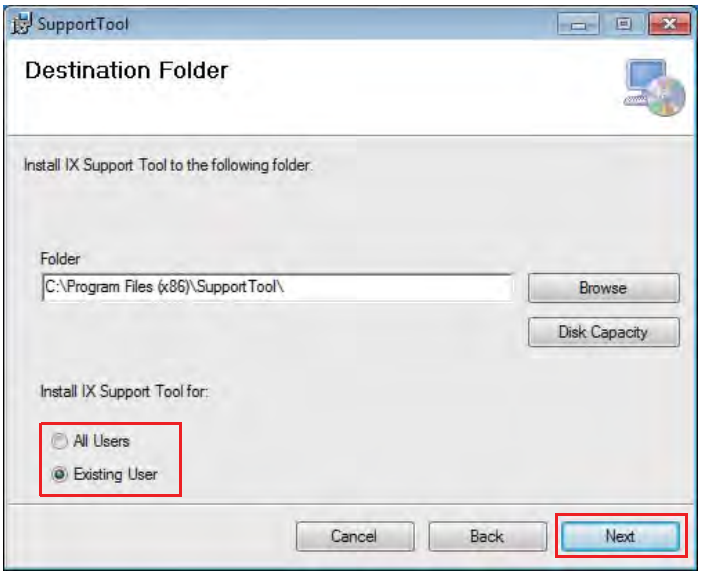
- If .NET Frameworks4 is not installed yet, install .NET Frameworks4 first. Install this, following the instructions on the screen.



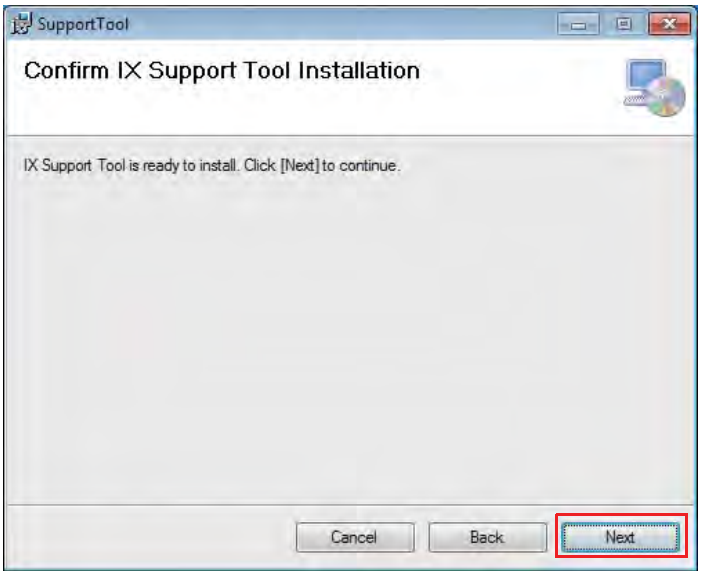
5) Click Next.



6) Choose the user who will use IX Support Tool, and click Next.

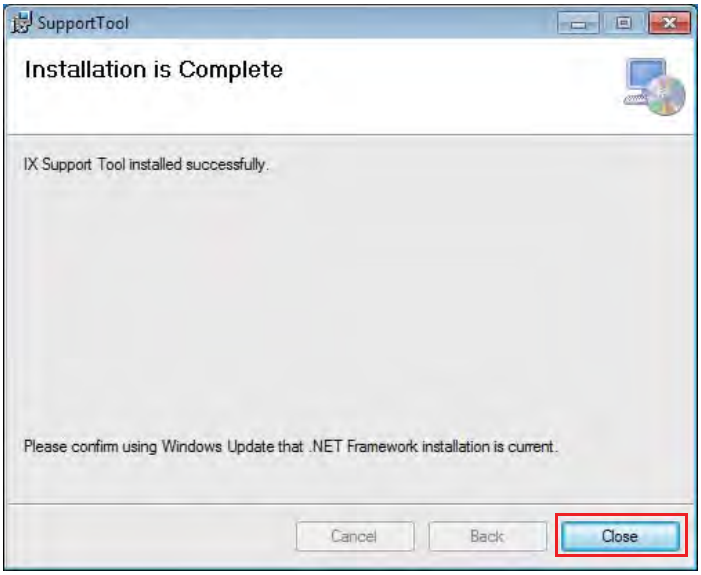


7) Click Next.



* When the "User Account Control" is shown, click YES/OK.

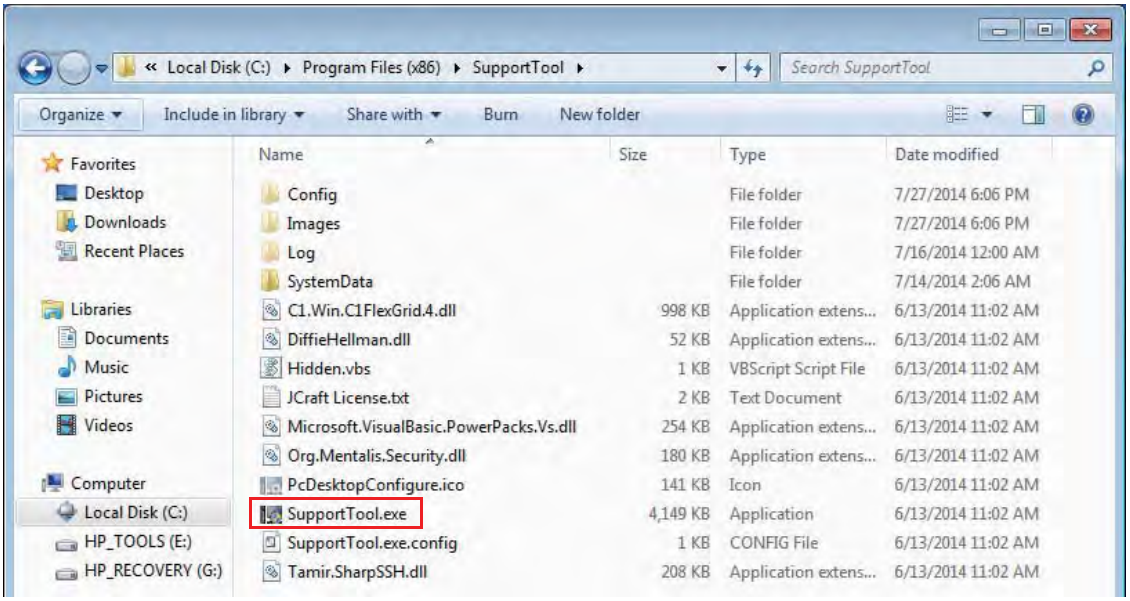
8) Click Close.



* IX Support Tool is now installed.

3. Login and registration of the station

1) In the folder specified at installation, double-click "SupportTool.exe."
(With the default setting, IX Support Tool will be installed in "My Computer" > "Local disc (C)" > "Program Files" > "SupportTool.")



2) Enter "ID" and "Password" and click Login.

- The setting data configured during the previous login session will be shown.
- When first logging into IX Support Tool, go to Step **3)**.

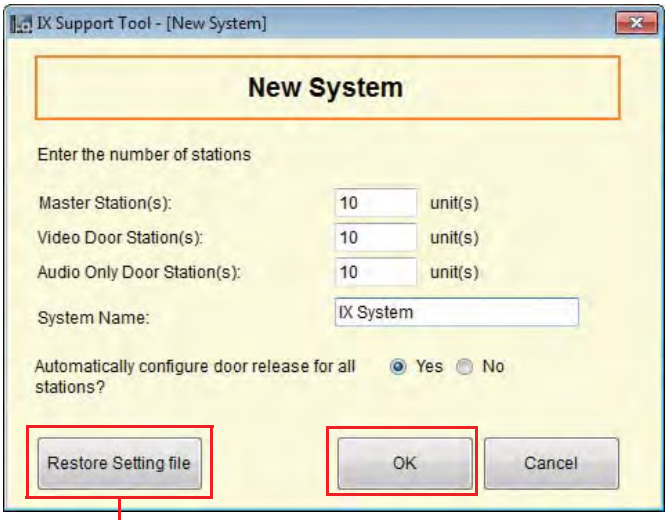
* The default ID and Password are "admin."

When first logging into IX Support Tool:

3) "New System" will be shown. Enter the number of stations to be registered and the system name*, then click OK.

When Door Release Settings do not exist or when Door Release Settings for each door will be configured individually, disable "Automatically configure door release for all stations?"

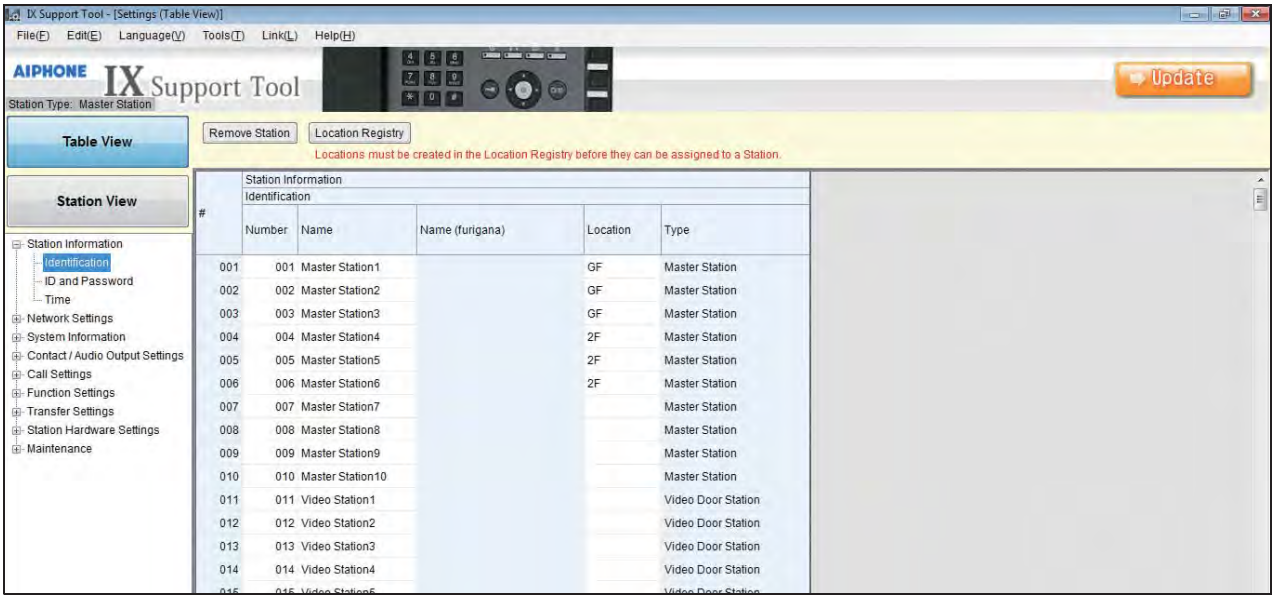
- IX Support Tool will be started.



"4.4. Restore System Settings" ➤ **P.101**

* Enter the number of stations depending on the usage environment. This can be changed later.

The setting data for the number of stations will be automatically created.



4. How to configure

When logging into the IX Support Tool, the following setting window will be shown. Each station can be configured from this window.

- Depending on PC and OS being used, the window may be slightly different.
- After configuring the stations, confirm the operation by referring to the Operation Manuals for each station.

4.1. Settings window

■ Settings window sample

Settings (Table View)➤ P.107

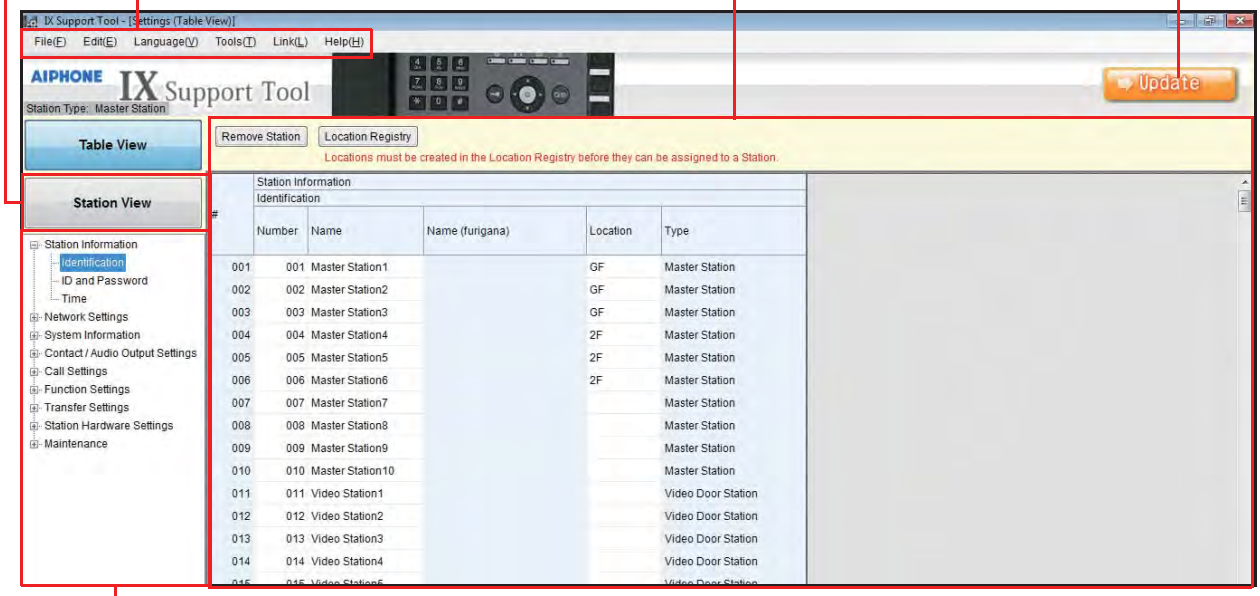
Configure all the stations in the system from the Settings window.

Setting Switching:
Click to switch the window to Settings (Station View).

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

Menu bar: ➤ P.80

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



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

Settings (Station View) ➤ P.200

Configure each station in the system individually.

Setting Switching:
Click to switch the window to Settings (Table View).

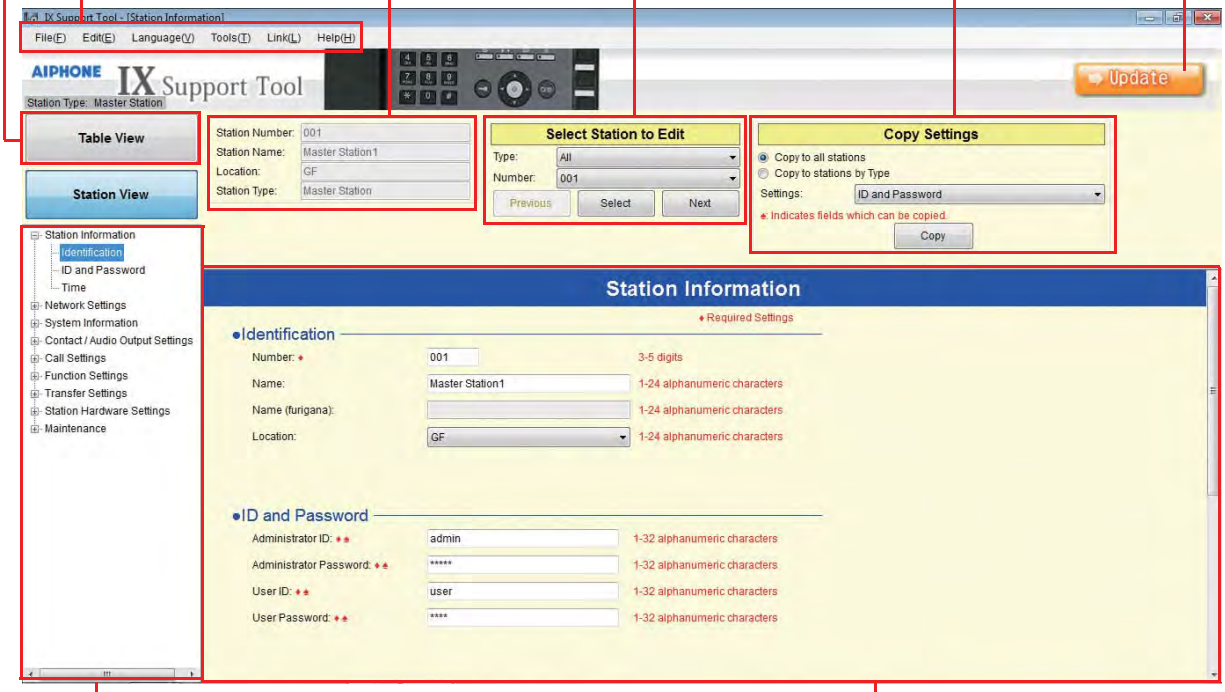
Update button:
Click this button to update the station settings.

Menu bar: ➤ P.80

Change Station:
Choose the station to be edited.

Station data in the process of editing

Copy Settings:
The settings being edited will be copied to another station. ➤ P.64



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

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

Point

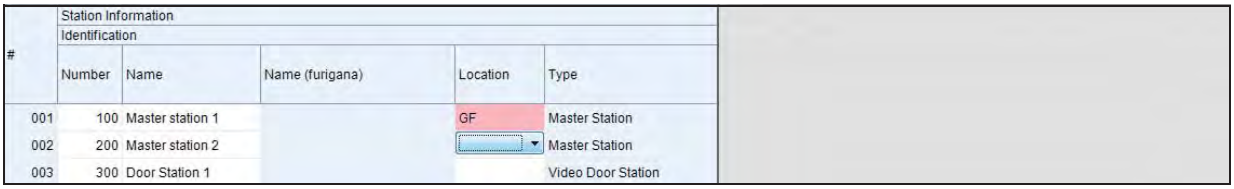
Settings which cannot be modified will be grayed out.

4.2. How to configure

1) Click the title to be configured.
The Settings window for that particular title will be shown.

2) Configure each entry in this window.

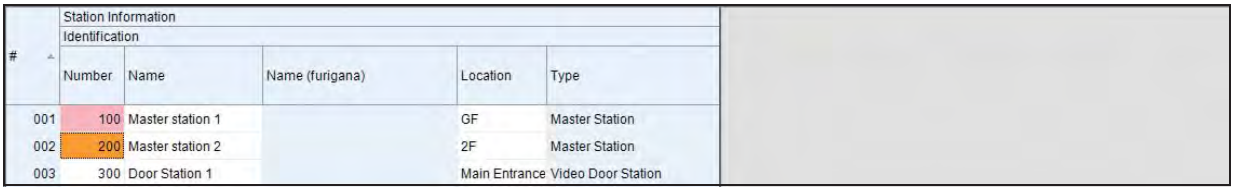
- The selected field will turn orange. (Settings (Table View) only)
- When changing the settings, the field will turn pink. (Settings (Table View) only)
- Some titles allow copy and paste.



#	Station Information / Identification / Number	Name	Name (furigana)	Location	Type
001	100	Master station 1		GF	Master Station
002	200	Master station 2			Master Station
003	300	Door Station 1			Video Door Station

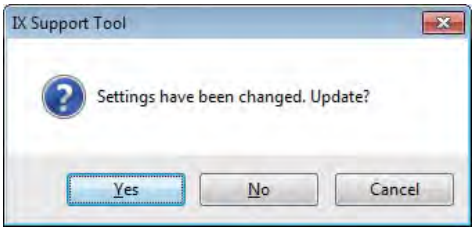
3) When done with the window, click Update to save the settings.
To cancel the settings, click another title in the Setting menu.

- If there is an error when clicking Update, the error message will be shown and the settings will not be allowed to be saved.
  The field will be shown in red if there is an error. (Settings (Table View) only)



#	Station Information / Identification / Number	Name	Name (furigana)	Location	Type
001	100	Master station 1		GF	Master Station
002	200	Master station 2		2F	Master Station
003	300	Door Station 1		Main Entrance	Video Door Station

- If another title is selected without clicking Update, the system will prompt to save the settings. Click Yes to save the settings; click No to continue without saving.
- When clicking Cancel, the screen goes back to the previous one.



4) Repeat steps 1 through 3 for other titles.

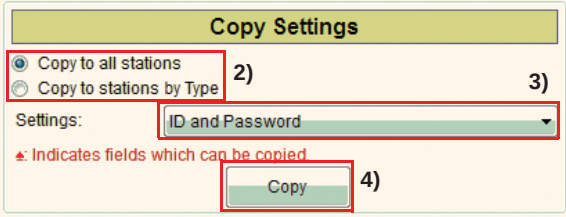
- To log out of IX Support Tool, click .

Point

If switching to another Settings window without clicking Update, the settings will not be saved.

4.3. Copy Settings (Settings (Station View))

Copy the settings marked with "♠" in the Settings (Station View). The copied settings can be applied either to all the stations or to all the station of the same type.



How to copy the settings

1) Display the setting window to be copied.

2) Check either "Copy to all stations" or "Copy to stations by Type."

3) Select the items to be copied from "Settings."

4) Click Copy.

- The settings will be copied.

5. System settings list

The following items can be configured using IX Support Tool.

The symbols indicate the following:

♦: **Indicates a required field. A value should be entered. Retain the default settings, unless a change is necessary.**

♠: **The content of the settings item can be copied.**

Point

- The following list is the summary of IX Support Tool. The contents, how they are displayed, and the order of entries may vary from the actual ones.
- Download the Settings data (➤ P.198 for the Settings (Table View); ➤ P.284 for Settings (Station View) (Maintenance)) and store it at a safe location.

■ Settings (Table View)

Category	Subcategory	Entry	Reference Page
Station Information			
Identification	-	Number ♦	➤ P.108
		Name	➤ P.108
		Location	➤ P.108
		Type	➤ P.109
ID and Password	-	Administrator ID ♦	➤ P.112
		Administrator Password ♦	➤ P.112
		User ID ♦	➤ P.112
		User Password ♦	➤ P.112
Time	NTP	Enable NTP	➤ P.113
	Time Zone	Select time zone	➤ P.113
	Daylight Savings Time	Enable automatic daylight savings time	➤ P.113
	Manual Date / Time Setup	Manual Date / Time Setup	➤ P.114
Network Settings			
IP Address	IP Version	-	➤ P.116
	IP addressing method	-	➤ P.117
	IPv4 Address	IP Address ♦	➤ P.118
		Subnet Mask ♦	➤ P.118
		Default Gateway	➤ P.118

Category	Subcategory	Entry	Reference Page
IP Address	IPv6 Address	IP Address ♦	➤ P.118
		Default Gateway	➤ P.118
DNS	Primary Server	IPv4	➤ P.120
		IPv6	➤ P.120
	Secondary Server	IPv4	➤ P.120
		IPv6	➤ P.120
SIP	Connection	SIP Signaling Port ♦	➤ P.121
	Miscellaneous	Call health check timer [sec] ♦	➤ P.121
Multicast Address (Master Station and Video Door Station only)	Master Station: For Paging, Video Door Station: For Call	IPv4	➤ P.122
		IPv6	➤ P.122
Video	Video Encoder 1	Coding System (Video Door Station only)	➤ P.124
		Resolution (Video Door Station only)	➤ P.124
		Frame Rate [fps] (Video Door Station only)	➤ P.124
		Select Profile [H.264 / AVC] (Video Door Station only)	➤ P.124
		I-picture interval [H.264 / AVC] ♦ (Video Door Station only)	➤ P.125
		Bit rate [kbps] [H.264 / AVC] (Video Door Station only)	➤ P.125
		Select Quality [Motion-JPEG] (Video Door Station only)	➤ P.125
		RTP Start Port ♦ (Master Station and Video Door Station only)	➤ P.125
		RTP End Port ♦ (Master Station and Video Door Station only)	➤ P.125

Category	Subcategory	Entry	Reference Page
Video	Video Encoder 2	Second Video Encoder (Video Door Station only)	➤ P.126
		Coding System (Video Door Station only)	➤ P.126
		Resolution (Video Door Station only)	➤ P.126
		Frame Rate [fps] (Video Door Station only)	➤ P.126
		Select Profile [H.264 / AVC] (Video Door Station only)	➤ P.126
		I-picture interval [H.264 / AVC] ♦ (Video Door Station only)	➤ P.127
		Bit rate [kbps] [H.264 / AVC] (Video Door Station only)	➤ P.127
		Select Quality [Motion-JPEG] (Video Door Station only)	➤ P.127
		RTP Start Port ♦ (Master Station and Video Door Station only)	➤ P.127
		RTP End Port ♦ (Master Station and Video Door Station only)	➤ P.127
Audio	-	Audio CODEC	➤ P.129
		Audio RTP Transmission Interval [msec]	➤ P.129
		RTP Idle Detection Time [sec] ♦	➤ P.129
		Audio 1 RTP Start Port ♦	➤ P.130
		Audio 1 RTP End Port ♦	➤ P.130
		Audio 2 RTP Start Port ♦	➤ P.130
		Audio 2 RTP End Port ♦	➤ P.130
	Audio Buffer	Packets Buffered at Audio Start	➤ P.131
		Maximum Packets Buffered	➤ P.131
Packet Priority	-	TOS Value (Audio)	➤ P.132
		TOS Value (Video)(Video Door Station only)	➤ P.132
		TOS Value (SIP)	➤ P.132
		VLAN Setting	➤ P.132
		VLAN ID ♦	➤ P.133
		VLAN Priority	➤ P.133

Category	Subcategory	Entry	Reference Page
NTP	Primary Server	Address [IPv4]	➤ P.134
		Address [IPv6]	➤ P.134
		Port	➤ P.134
	Secondary Server	Address [IPv4]	➤ P.135
		Address [IPv6]	➤ P.135
		Port	➤ P.135
	-	Synchronization Interval [hour] ♦	➤ P.135
System Information			
Location Registry	-	-	➤ P.136
Address book (Master Station only)	Station List	-	➤ P.136
	Network Camera List	-	➤ P.137
Group	-	-	➤ P.142
Custom Sound Registry	-	-	➤ P.146
Contact / Audio Output Settings			
Contact Input	Contact Input Specifications	Type	➤ P.147
		Detection time [msec] ♦	➤ P.147
		Usage	➤ P.147
Output Specifications	Relay Output Specifications	Output Time [msec / sec] ♦	➤ P.148
		Usage	➤ P.148
	Audio Output Specifications (Door Station only)	Audio Output	➤ P.149
Call Settings			
Called Stations (for Master Station)	-	Call destination settings are unnecessary; Master Station can call any station in Address Book.	➤ P.150
Called Stations (for Door Station)	Priority Setting	Priority	➤ P.150
	Called Station List	-	➤ P.151
Call Origination (Door Station only)	Call Acknowledged Settings	Ringback Tone	➤ P.152
		Call Timeout [sec] ♦	➤ P.152
		Ringback Tone Count [time(s)]	➤ P.152
		Busy tone	➤ P.153
		Error Tone (Call failed)	➤ P.153
Incoming call	Call Answer Settings (Master Station only)	Auto Answer	➤ P.154
		Ringback Tone Count [time(s)]	➤ P.154
	Ringtone Settings (Normal Call) (Master Station only)	-	➤ P.155
	Station Ringtone Settings	-	➤ P.156
All Page	-	-	➤ P.158

Category	Subcategory	Entry	Reference Page
Function Settings			
Door Release Settings	Door Release Tone (Door Station only)	Door Release Operating Tone	➤ P.159
	Door Release Authorization	Authentication Key	➤ P.160
	Door Release Output Settings (same as Contact / Audio Output Settings)	Output Time [msec / sec] ♦	➤ P.160
		Usage	➤ P.160
	Door Release Output Assignment	Contact Assignment	➤ P.161
		Authentication Key	➤ P.161
	Individual Master Station Door Release Settings (Master Station only)	-	➤ P.162
Contact Input Call	Door Station Call Group Assignment (Door Station only)	1 - Group Number	➤ P.165
		1 - Priority	➤ P.165
	Call Acknowledged Settings	Ringback Tone (Door Station only)	➤ P.166
		Call Timeout [sec] ♦	➤ P.166
		Ringback Tone Count [time(s)] (Door Station only)	➤ P.166
	Master Station Call Group Assignment (Master Station only)	1 - Group Number	➤ P.167
		1 - Priority	➤ P.167
	Ringtone Settings (Option Input) (Master Station only)	-	➤ P.168
	Master Station Group List (Master Station only)	-	➤ P.168
	Door Station Group List (Door Station only)	-	➤ P.169
	Station Ringtone Settings	-	➤ P.172
Paging Settings	Paging Pretone Setting	Pretone	➤ P.173
	Paging Time Setting (Master Station only)	Paging Timeout [sec] ♦	➤ P.173
	Paging Output Setting (Door Station only)	Paging Audio Output (same as Contact / Audio Output Settings)	➤ P.173
Paging Output Setting (Door Station only)	Paging Audio Output (same as Contact / Audio Output Settings)	Paging Audio Output (same as Contact / Audio Output Settings)	➤ P.174
Network Camera Integration (Master Station only)	Network Camera Event Tone	Network Camera Event Tone	➤ P.175
		Event Tone Count [time(s)]	➤ P.175
	Network Camera Event Registry	-	➤ P.176

Category	Subcategory	Entry	Reference Page
E-mail Settings	Server Settings	SMTP Server	➤ P.178
		SMTP Port ♦	➤ P.178
		SMTP Encryption	➤ P.178
	Authentication Settings	SMTP Authentication	➤ P.179
		Mode	➤ P.179
		ID	➤ P.179
		Password	➤ P.179
	E-mail Addresses	Destination 1	➤ P.180
		Destination 2	➤ P.180
		Destination 3	➤ P.180
		Source Address	➤ P.180
E-mail Settings	E-mail Event Trigger	-	➤ P.181
	Additional Settings (Video Door Station only)	Attach Image	➤ P.184
		Attachment Image Filename	➤ P.184
CGI Integration	-	CGI Functionality	➤ P.185
SIF Integration	-	SIF Functionality	➤ P.185
	SIF Communication Settings (sif.ini)	-	➤ P.185
	SIF Parameter Settings (sif_conf.ini)	-	➤ P.185
Transfer Settings			
Absent Transfer Settings (Master Station only)	-	Absent Transfer	➤ P.186
		Transfer Destination	➤ P.186
Delay Transfer Settings (Master Station only)	-	Delay Transfer	➤ P.187
		Delay Time [sec] ♦	➤ P.187
		Transfer Destination	➤ P.187
Transfer Schedule Settings (Master Station only)	-	Transfer Schedule	➤ P.188
		Transfer Destination	➤ P.188
	Weekly Schedule	-	➤ P.189

Category	Subcategory	Entry	Reference Page
Station Hardware Settings			
Speed Dial Button Settings (Master Station only)	Buttons #1 - #6	Mode Selection	➤ P.190
		Group Number	➤ P.190
		Station Number	➤ P.190
		Priority	➤ P.190
Privacy Setting (Master Station only)	-	Privacy	➤ P.191
Volume Settings	Volume Settings	Handset Transmit Volume (Master Station only)	➤ P.191
		Handset Receive Volume (Master Station only)	➤ P.191
		Hands-free Transmit Volume (Master Station only)	➤ P.192
		Hands-free Receive Volume (Master Station only)	➤ P.192
		Transmit Volume (Door Station only)	➤ P.192
		Receive Volume (Door Station only)	➤ P.192
		Ringtone Volume	➤ P.192
		Button Feedback Tone (Master Station only)	➤ P.192
Communication Settings	-	Talk Timeout [sec] ♦	➤ P.193
		Force Push-to-talk (Master Station only)	➤ P.193
Monitor Setting (Master Station only)	-	Monitor Timeout [sec] ♦	➤ P.193
Master Station Display Settings (Master Station only)	-	Brightness	➤ P.194
		Time Format	➤ P.194
		Standby LED State	➤ P.194
Camera settings (Video Door Station only)	Environmental Settings	Backlight Compensation Adjustment	➤ P.195
		Low Light Sensitivity Adjustment	➤ P.195
	Color Settings	Brightness ♦	➤ P.196
		Contrast ♦	➤ P.196
		Color ♦	➤ P.196
	LED Illumination Control	During Call / Communication	➤ P.196
		While Monitored	➤ P.196

Category	Subcategory	Entry	Reference Page
Maintenance			
Firmware Update	-	-	➤ P.197
Initialization	-	-	➤ P.198
Settings File Management	-	-	➤ P.198

■ Settings (Station View)

Category	Subcategory	Entry	Reference Page
Station Information			
Identification	-	Number ♦	➤ P.201
		Name	➤ P.201
		Location	➤ P.201
ID and Password	-	Administrator ID ♦♠	➤ P.202
		Administrator Password ♦♠	➤ P.202
		User ID ♦♠	➤ P.202
		User Password ♦♠	➤ P.202
Time	Time Zone	Select time zone ♠	➤ P.203
	Daylight Savings Time	Enable automatic daylight savings time ♠	➤ P.203
	NTP	Enable NTP ♠	➤ P.203
	Manual Date / Time Setup	Manual Date / Time Setup	➤ P.204
Network Settings			
IP Address	-	IP addressing method ♠	➤ P.206
	IPv4 Address	IP Address ♦	➤ P.208
		Subnet Mask ♦♠	➤ P.208
		Default Gateway ♠	➤ P.208
	IPv6 Address	IP Address ♦	➤ P.208
		Default Gateway ♠	➤ P.208
DNS	-	Primary Server ♠	➤ P.209
		Secondary Server ♠	➤ P.209
SIP	Connection	SIP Signaling Port ♦♠	➤ P.209
	Miscellaneous	Call health check timer [sec] ♦♠	➤ P.210
Multicast Address	-	For Paging (for Master Station), for Call (for Video Door Station)	➤ P.210

Category	Subcategory	Entry	Reference Page
Video	Video Encoder 1	Coding System ♠ (Video Door Station only)	➤ P.211
		Resolution ♠ (Video Door Station only)	➤ P.211
		Frame Rate [fps] ♠ (Video Door Station only)	➤ P.212
		Select Profile [H.264 / AVC] (Video Door Station only)	➤ P.212
		I-picture interval [H.264 / AVC] ♦ (Video Door Station only)	➤ P.212
		Bit rate [kbps] [H.264 / AVC] ♠ (Video Door Station only)	➤ P.212
		Select Quality [Motion-JPEG] ♠ (Video Door Station only)	➤ P.212
		RTP Start Port ♦ (Master Station and Video Door Station only)	➤ P.212
		RTP End Port ♦ (Master Station and Video Door Station only)	➤ P.212
	Video Encoder 2	Second Video Encoder ♠ (Video Door Station only)	➤ P.213
		Coding System ♠ (Video Door Station only)	➤ P.213
		Resolution ♠ (Video Door Station only)	➤ P.213
		Frame Rate [fps] ♠ (Video Door Station only)	➤ P.213
		Select Profile [H.264 / AVC] (Video Door Station only)	➤ P.213
		I-picture interval [H.264 / AVC] ♦ (Video Door Station only)	➤ P.214
		Bit rate [kbps] [H.264 / AVC] ♠ (Video Door Station only)	➤ P.214
		Select Quality [Motion-JPEG] ♠ (Video Door Station only)	➤ P.214
		RTP Start Port ♦ (Master Station and Video Door Station only)	➤ P.214
		RTP End Port ♦ (Master Station and Video Door Station only)	➤ P.214

Category	Subcategory	Entry	Reference Page
Audio	-	Audio CODEC ♠	➤ P.216
		Audio RTP Transmission Interval [msec] ♠	➤ P.216
		RTP Idle Detection Time [sec] ♦♠	➤ P.216
		Audio 1 RTP Start Port ♦	➤ P.217
		Audio 1 RTP End Port ♦	➤ P.217
		Audio 2 RTP Start Port ♦	➤ P.217
		Audio 2 RTP End Port ♦	➤ P.217
	Audio Buffer	Packets Buffered at Audio Start ♠	➤ P.217
		Maximum Packets Buffered ♠	➤ P.217
Packet Priority	-	TOS Value (Audio) ♠	➤ P.218
		TOS Value (Video) ♠ (Video Door Station only)	➤ P.218
		TOS Value (SIP) ♠	➤ P.218
		VLAN Setting ♠	➤ P.218
		VLAN ID ♦♠	➤ P.219
		VLAN Priority ♠	➤ P.219
NTP	Primary Server	Address ♠	➤ P.220
		Port ♠	➤ P.220
	Secondary Server	Address ♠	➤ P.221
		Port ♠	➤ P.221
	-	Synchronization Interval [hour] ♦♠	➤ P.221
System Information			
Location Registry (Master Station only)	-	Location Registry	➤ P.222
Address book (Master Station only)	-	Station List	➤ P.223
	-	Network Camera List	➤ P.224
Group (Master Station only)	Group List	Master Station Group List	➤ P.229
Custom Sound Registry	-	-	➤ P.234

Category	Subcategory	Entry	Reference Page
Contact / Audio Output Settings			
Contact Input	Contact Input Specifications	Type	➤ P.236
		Detection time [msec] ♦	➤ P.236
		Usage	➤ P.236
Output Specifications	Relay Output Specifications	Output Time [msec / sec] ♦	➤ P.237
		Usage	➤ P.237
	Audio Output Specifications (Door Station only)	Audio Output	➤ P.238
Call Settings			
Called Stations (for Master Station)	Call Destination Settings	Call destination settings are unnecessary; Master Station can call any station in Address Book.	➤ P.239
Called Stations (for Door Station)	Call Button Assignment	-	➤ P.239
	Priority Setting	Priority	➤ P.241
Call Origination (Door Station only)	Call Acknowledged Settings	Ringback Tone ♠	➤ P.241
		Call Timeout [sec] ♦♠	➤ P.242
		Ringback Tone Count [time(s)] ♠	➤ P.242
		Busy tone ♠	➤ P.242
		Error Tone (Call failed) ♠	➤ P.242
Incoming call (Master Station only)	Call Answer Settings	Auto Answer ♠	➤ P.243
		Ringtone Count [time(s)] ♠	➤ P.243
	Ringtone Settings (Normal Call)	Ringtone	➤ P.244
All Page	-	-	➤ P.245
Function Settings			
Door Release Settings	Door Release Tone (Door Station only)	Door Release Operating Tone ♠	➤ P.246
	Door Release Authorization	Authentication Key ♠	➤ P.246
	Door Release Output Assignment	Contact Assignment	➤ P.247
		Authentication Key	➤ P.247
	Door Release Output Settings (same as Contact / Audio Output Settings)	Output Time [msec / sec] ♦	➤ P.248
		Usage	➤ P.248

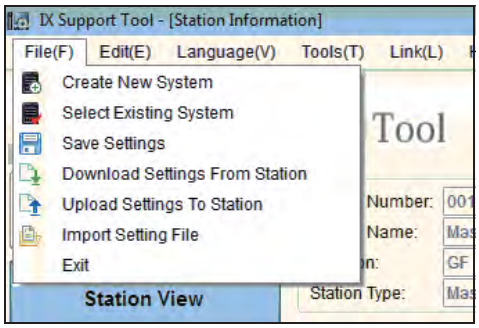
Category	Subcategory	Entry	Reference Page
Contact Input Call	Call Setting (Door Station only)	-	➤ P.249
	Door Station Call Group Assignment (Door Station only)	Group Number	➤ P.254
		Priority	➤ P.254
	Call Acknowledged Settings	Ringback Tone ♠ (Door Station only)	➤ P.254
		Call Timeout [sec] ♦♠	➤ P.255
		Ringback Tone Count [time(s)] ♠ (Door Station only)	➤ P.255
	Master Station Call Group Assignment (Master Station only)	Group Number	➤ P.255
		Priority	➤ P.255
	Ringtone Settings (Option Input)	Ringtone	➤ P.256
Paging Settings	Paging Pretone Setting	Pretone ♠	➤ P.257
	Paging Time Setting (Master Station only)	Paging Timeout [sec] ♦♠	➤ P.257
	Paging Output Setting (Door Station only)	Paging Audio Output (same as Contact / Audio Output Settings)	➤ P.257
Paging Output Setting (Door Station only)	Paging Audio Output (same as Contact / Audio Output Settings)	Paging Audio Output (same as Contact / Audio Output Settings)	➤ P.258
Network Camera Integration (Master Station only)	Network Camera Profile	Profile	➤ P.259
	Event Registry	Event	➤ P.260
		Network Camera Event Tone ♠	➤ P.260
		Event Tone Count [time(s)] ♠	➤ P.260
E-mail Settings	Server Settings	SMTP Server ♠	➤ P.261
		SMTP Port ♦♠	➤ P.261
		SMTP Encryption ♠	➤ P.261
	Authentication Settings	SMTP Authentication ♠	➤ P.262
		Mode ♠	➤ P.262
		ID ♠	➤ P.262
		Password ♠	➤ P.262
	E-mail Addresses	Destination 1 ♠	➤ P.263
		Destination 2 ♠	➤ P.263
		Destination 3 ♠	➤ P.263
		Source Address ♠	➤ P.263
	E-mail Event Trigger	-	➤ P.264
	Additional Settings (Video Door Station only)	Attach Image ♠	➤ P.266
		Attachment Image Filename ♠	➤ P.266
CGI Integration	-	CGI Functionality	➤ P.267

Category	Subcategory	Entry	Reference Page
SIF Integration	-	SIF Functionality	➤ P.267
	SIF Communication Settings (sif.ini)	-	➤ P.268
	SIF Parameter Settings (sif_conf.ini)	-	➤ P.268
Transfer Schedule			
Absent Transfer Settings (Master Station only)	-	Absent Transfer	➤ P.269
		Transfer to Station Number	➤ P.269
Delay Transfer Settings (Master Station only)	-	Delay Transfer	➤ P.270
		Delay Time [sec] ♦	➤ P.270
		Transfer to Station Number	➤ P.270
Transfer Schedule Settings (Master Station only)	-	Transfer Schedule	➤ P.271
		Transfer to Station Number	➤ P.271
	Weekly Schedule	-	➤ P.272
Station Hardware Settings			
Speed Dial Button Settings (Master Station only)	Destination Assignment	-	➤ P.273
Privacy Setting (Master Station only)	-	Privacy ♠	➤ P.274
Volume Settings	Volume Settings	Handset Transmit Volume (Master Station only)	➤ P.275
		Handset Receive Volume (Master Station only)	➤ P.275
		Hands-free Transmit Volume (Master Station only)	➤ P.275
		Hands-free Receive Volume (Master Station only)	➤ P.275
		Transmit Volume (Door Station only)	➤ P.276
		Receive Volume (Door Station only)	➤ P.276
		Ringtone Volume	➤ P.276
		Button Feedback Tone (Master Station only)	➤ P.276
Communication Settings	-	Talk Timeout [sec] ♦♠	➤ P.277
		Force Push-to-talk (Master Station only)	➤ P.277
Monitor Setting (Master Station only)	-	Monitor Timeout [sec] ♦♠	➤ P.277

Category	Subcategory	Entry	Reference Page
Master Station Display Settings (Master Station only)	-	Brightness	➤ P.278
		Time Format ♠	➤ P.278
		Standby LED State ♠	➤ P.278
Camera settings (Video Door Station only)	Environmental Settings	Backlight Compensation Adjustment ♠	➤ P.279
		Low Light Sensitivity Adjustment ♠	➤ P.279
	Color Settings	Brightness ♦	➤ P.280
		Contrast ♦	➤ P.280
		Color ♦	➤ P.280
	LED Illumination Control	During Call / Communication ♠	➤ P.281
		While Monitored ♠	➤ P.281
Maintenance			
Firmware Update	-	-	➤ P.282
Initialization	-	-	➤ P.283
Settings File Management	-	-	➤ P.284

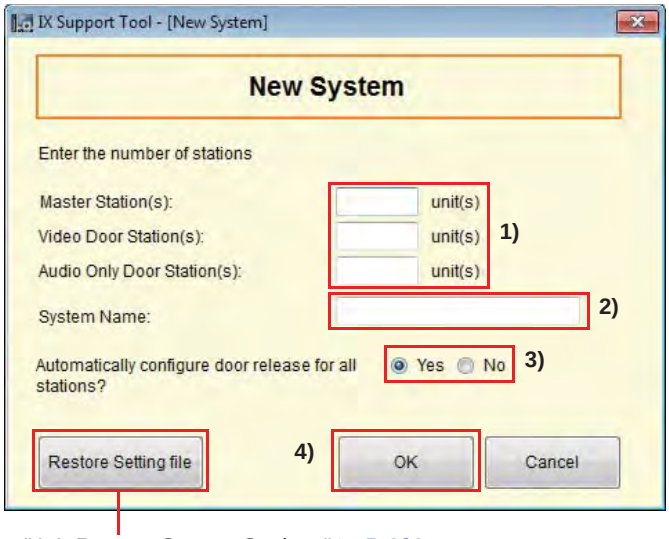
Menu bar

1. File



1.1. Create New System

Choose "File" > "Create New System," the "New System" window will be shown.



"4.4. Restore System Settings" ➤ P.101

How to create New System

1) Enter the number of stations.

2) Enter the system name in "System Name."

- 1-64 alphanumeric characters

3) Check "Automatically configure door release for all stations?"

- When Door Release Settings do not exist or when Door Release Settings for each door will be configured individually, disable "Automatically configure door release for all stations?"

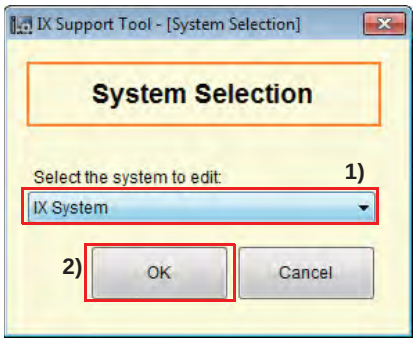
4) Click OK.

- Click Cancel, to terminate the process without creating a new system.

1.2. Select Existing System

View or edit existing system setting data.

Choose "File" > "Select Existing System," the "System Selection" window will be shown.



How to select a system

1) Select the system name of the setting data to be edited.

2) Click OK.

- In the Setting window, the selected setting data will be shown.
- Click Cancel, to terminate the process without selecting a system.

1.3. Save Settings

The edited setting file overwrites the existing one. This feature is identical to Update at the top right in the Settings window.

1) Click "File" > "Save Settings," the following window will be shown.

Click OK.

- The edited settings file overwrites the existing one.

■ Where the setting file is saved

The setting file(s) are saved in the "SystemData" folder within the IX Support Tool Installation folder. The folders will be labeled as the "System Name".

If the settings are lost, it may be impossible to restore them after maintenance or after-sales servicing.

1.4. Download Settings From Station

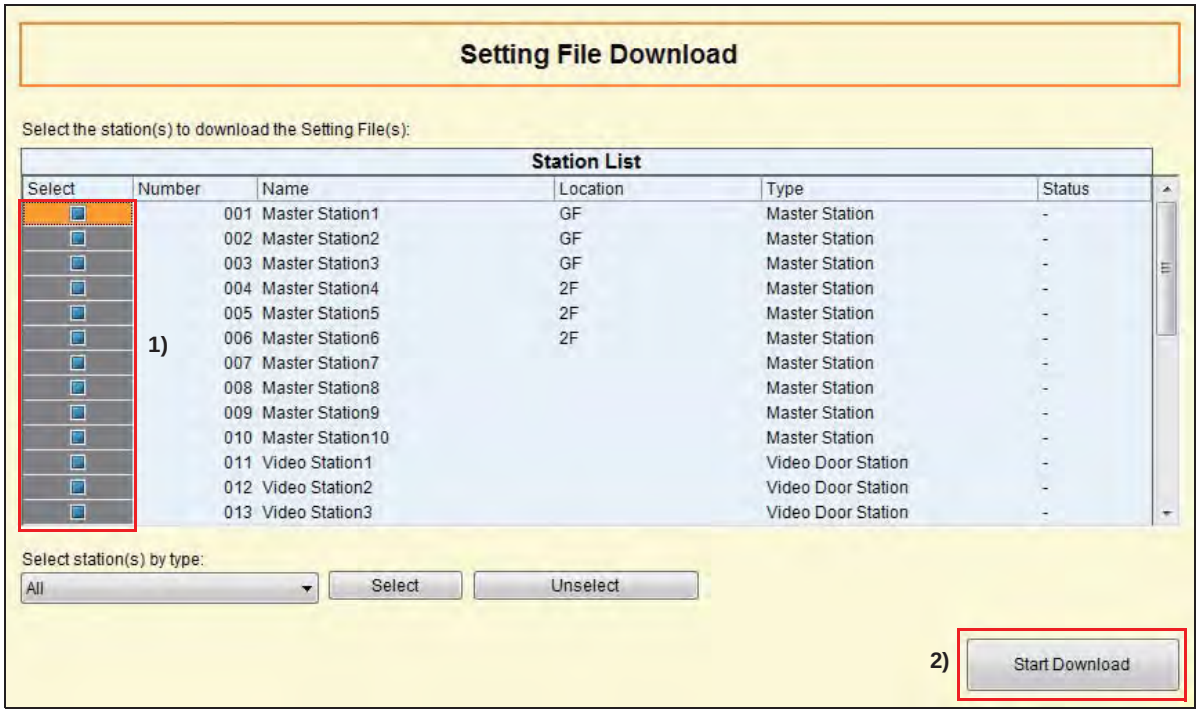
Obtain (download) settings from a station.

To download the file, associate the station in "4.2. Association Settings" ➤ P.97.

Important

If the station was configured or modified using the web interface, the setting file cannot be downloaded using the IX Support Tool.

Click "File" > "Download Settings From Station," the "Setting File Download" window will be shown.



How to download settings

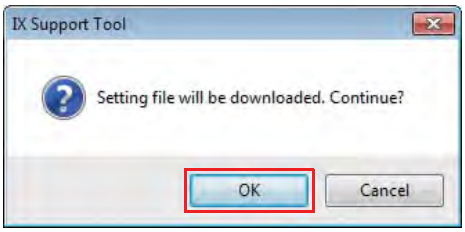
1) Check ☐ of the station whose setting file is to be downloaded in "Station List."

- To select or unselect the stations in a batch, choose the station type for a batch selection and click Select or Unselect.
- A station must be associated before it can be selected. "4.2. Association Settings" ➤ P.97.

2) Click Start Download.

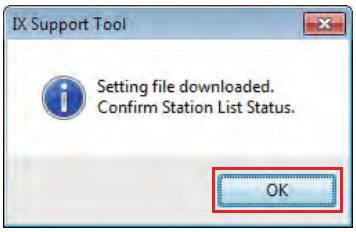
3) Click OK.

- Click Cancel, to go back to "Setting File Download" without downloading the file.



4) Click OK.

- The result of the setting file download will be shown in "Status" in "Station List."
  Downloading: The setting file is in the process of downloading.
  Success: Download is completed.
  Failed: Download failed.
- The downloaded files are stored at "SupportTool" > "SystemData" > "(System name chosen)" > "Setting_ForUser" as "Config-(Station Number)-(yyyy.mm.dd.hh.mm.ss).txt" for each station.

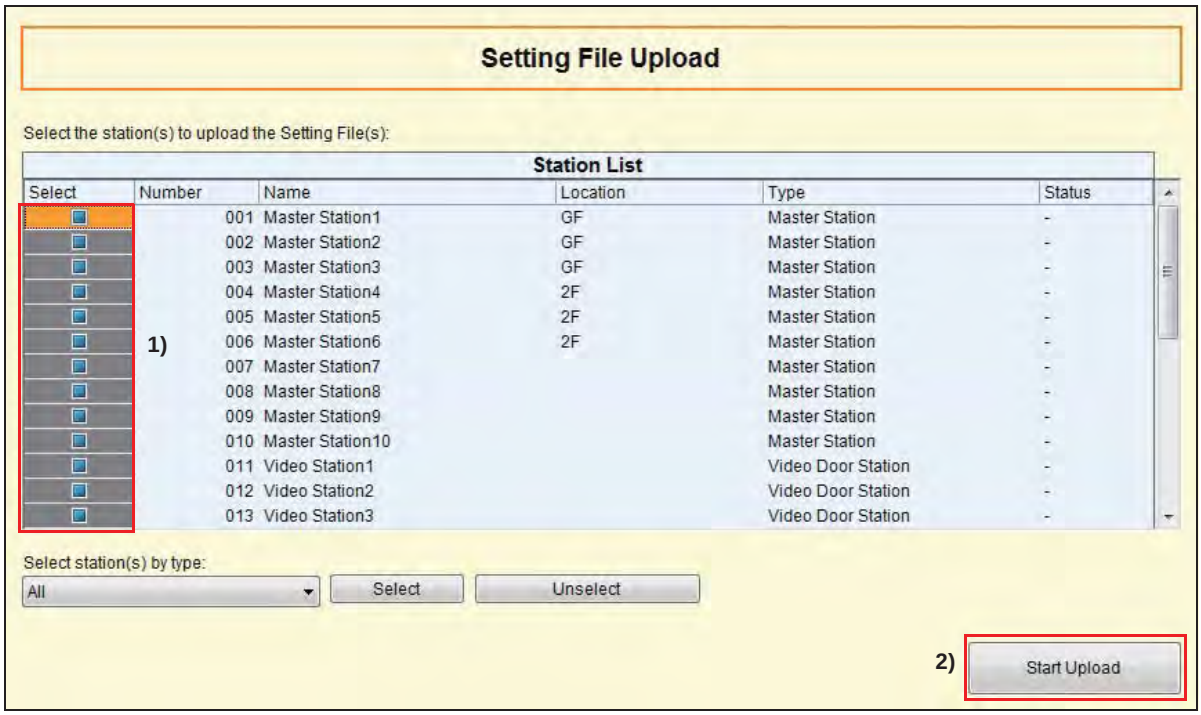


1.5. Upload Settings To Station

Upload settings created using IX Support Tool onto the station.

Before uploading the file, the station will need to be associated. "4.2. Association Settings" ➤ P.97.

Click "File" > "Upload Settings To Station," the "Setting File Upload" window will be shown.



How to upload settings

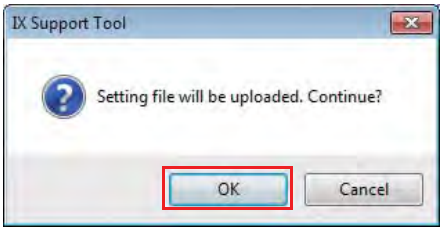
1) Check ☐ of the station whose settings is to be uploaded in "Station List."

- To select or unselect the stations in a batch, choose the station type for a batch selection and click Select or Unselect.
- A station which is not associated cannot be selected. "4.2. Association Settings" ➤ P.97.

2) Click Start Upload.

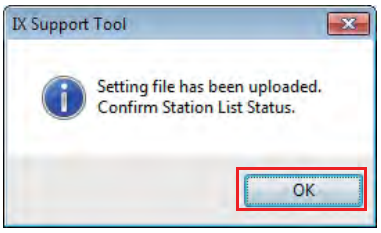
3) Click OK.

- If clicking Cancel, the screen goes back to "Setting File Upload" without uploading the file.



4) Click OK.

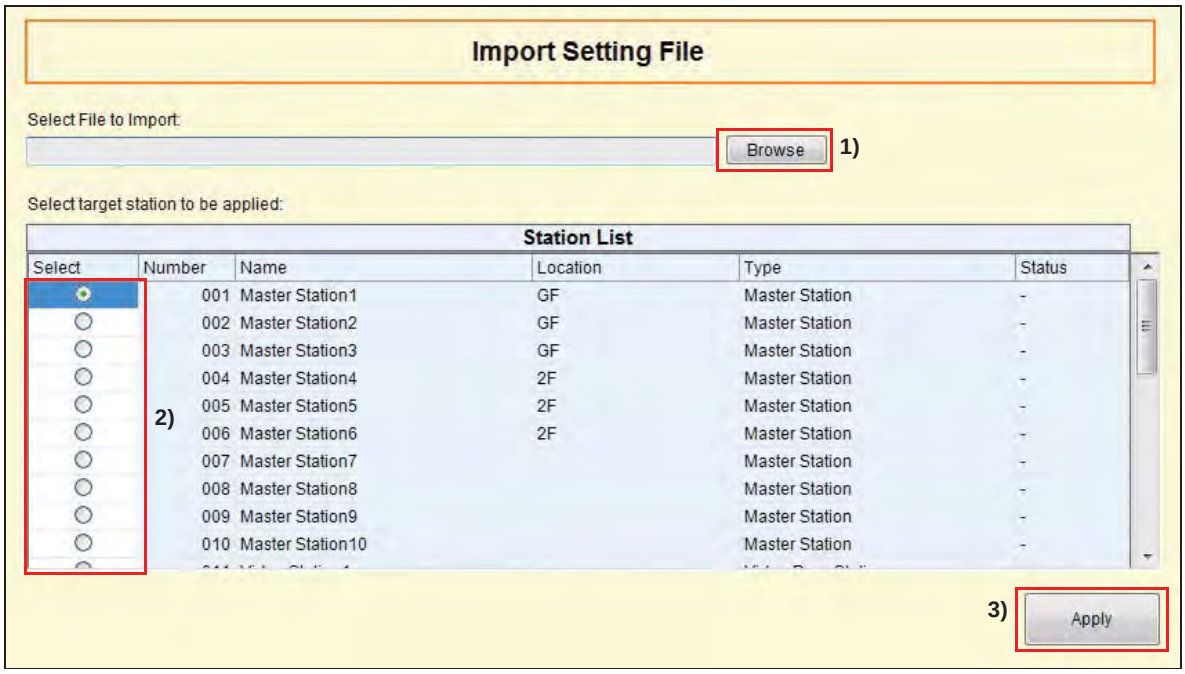
- The result will be shown in "Status" in "Station List."
  Uploading: The Setting File is in the process of uploading.
  Success: Upload is completed.
  Failed: Upload failed.



1.6. Import Setting File

A setting file can be modified using a text editor and imported into IX Support Tool.

Click "File" > "Import Setting File," the "Import Setting File" window will be shown.



How to import a setting file

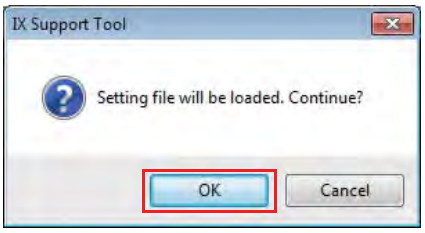
1) Click Browse and select the setting file (txt file).

2) Check ◯ of the station whose setting file is to be uploaded in "Station List."

3) Click Apply.

4) Click OK.

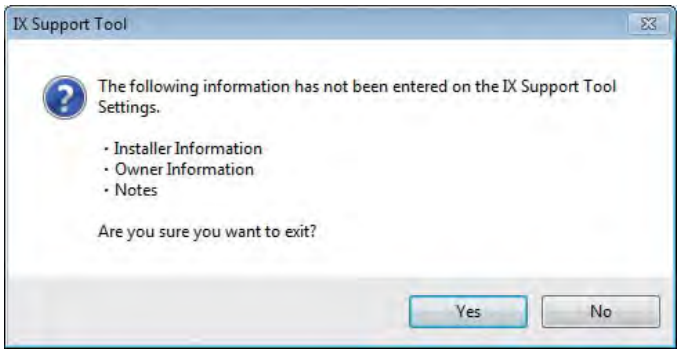
- Click Cancel, to return to "Import Setting File" without importing the file.
- The result will be shown in "Status" in "Station List."
- If the file to be imported is mismatched with the original file, the file will not be imported.
- The file should be uploaded or downloaded before importing.
- The result will be shown in "Status" in "Station List."
  Importing: The Setting File is in the process of importing.
  Success: Import is completed.
  Failed: Import failed.



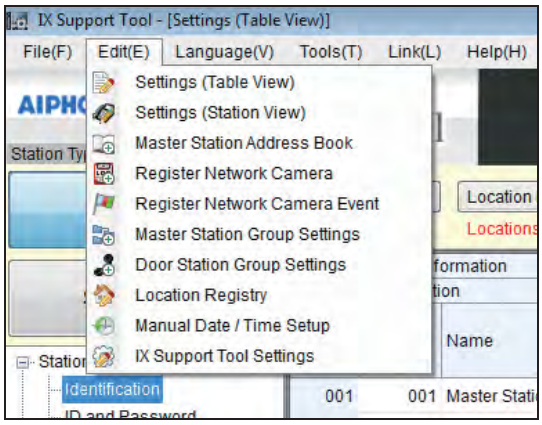
1.7. Exit

Click "File" > "Exit," to close IX Support Tool.

If there is unassigned item in "2.10. IX Support Tool Settings" ➤ P.93, a message will be shown indicating which item is not assigned.



2. Edit

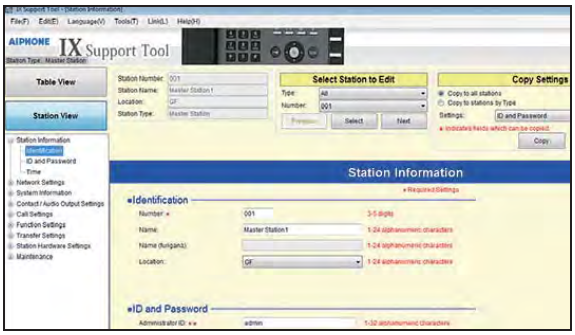


2.1. Settings (Table View)

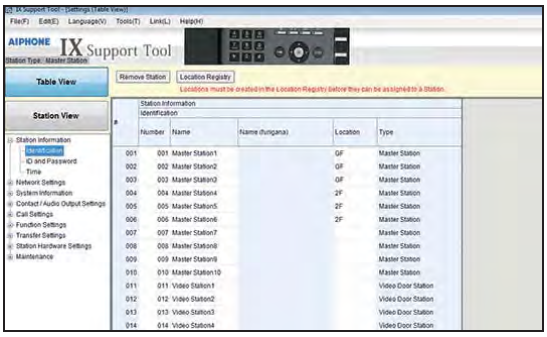
All stations in the system can be configured from the Settings window.

Click "Edit" > "Settings (Table View)" in "Settings (Station View)," the "Settings (Table View)" window will be shown.

"Settings (Station View)" window



"Settings (Table View)" window



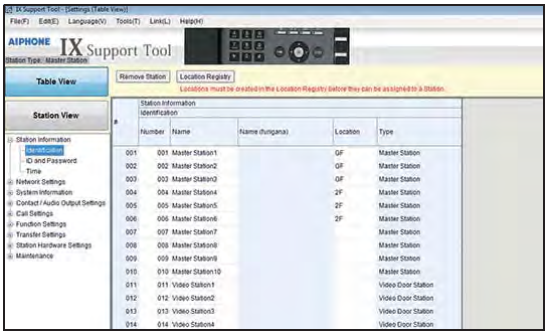
For each item in "Settings (Table View)," refer to "System settings (Settings (Table View))" ➤ P.107.

2.2. Settings (Station View)

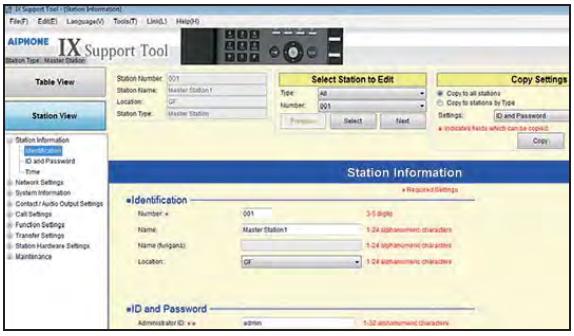
Configure each station in the system individually.

Click "Edit" > "Settings (Station View)" in "Settings (Table View)," the "Settings (Station View)" window will be shown.

"Settings (Table View)" window



"Settings (Station View)" window



For each item in "Settings (Station View)," refer to "System settings (Settings (Station View))" ➤ P.200.

2.3. Master Station Address Book

Click "Edit" > "Master Station Address Book," the following window will be shown.

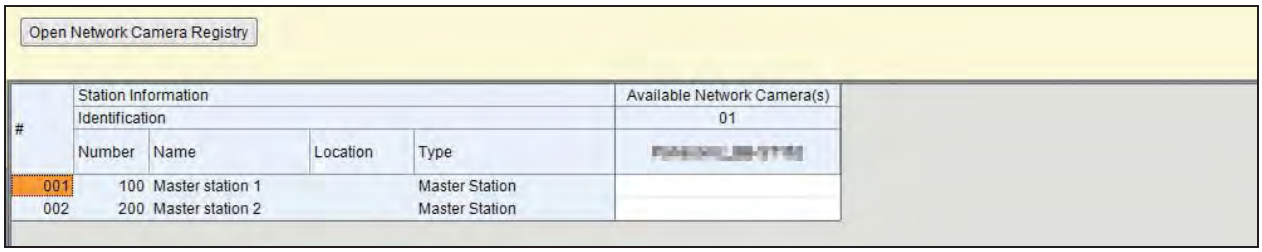
#	Station Information				Available Stations		
	Identification				001	002	003
	Number	Name	Location	Type	Master Station1	Master Station2	Master Station3
					GF	GF	GF
001	001	Master Station1	GF	Master Station		✔	✔
002	002	Master Station2	GF	Master Station	✔		✔
003	003	Master Station3	GF	Master Station	✔	✔	
004	004	Master Station4	2F	Master Station	✔	✔	✔
005	005	Master Station5	2F	Master Station	✔	✔	✔
006	006	Master Station6	2F	Master Station	✔	✔	✔
007	007	Master Station7		Master Station	✔	✔	✔

For "Master Station Address Book," refer to "3.2.1. Station List" ➤ P.136.

2.4. Register Network Camera

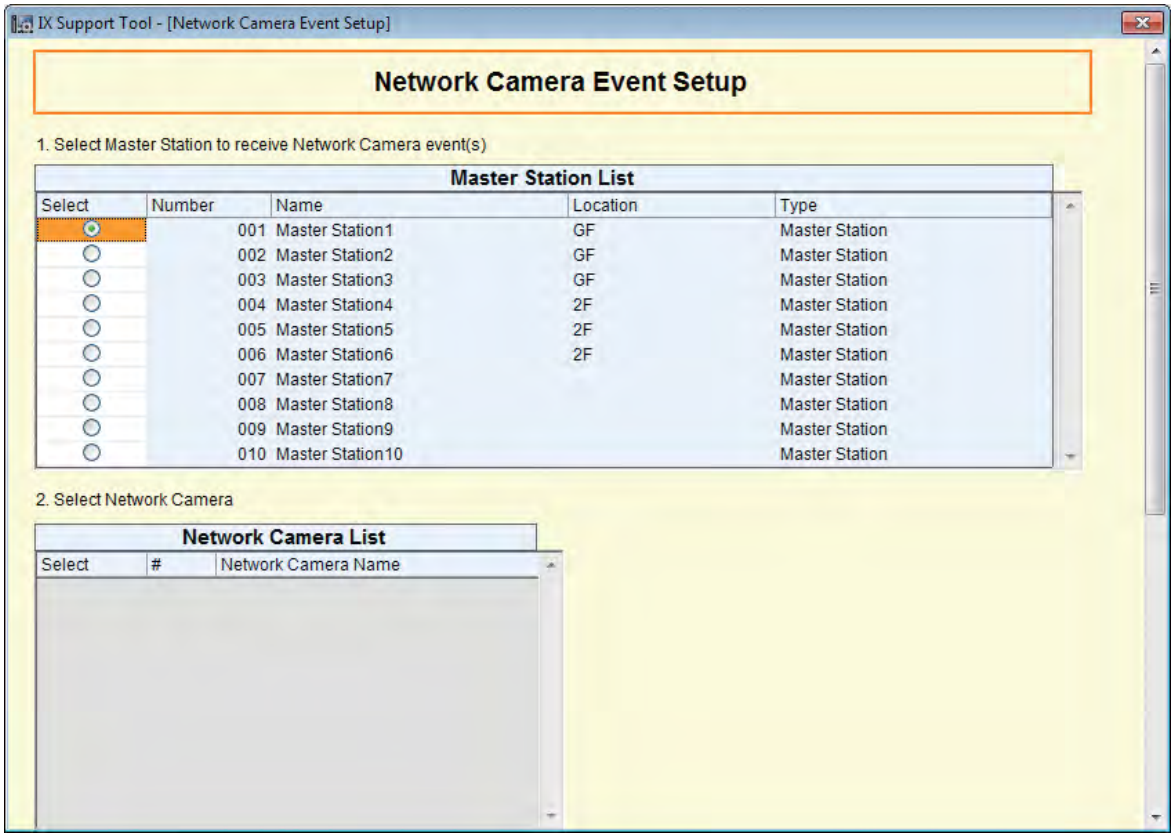
Click "Edit" > "Register Network Camera," the following window will be shown.

For "Register Network Camera," refer to "3.2.2. Network Camera List" ➤ P.137.



2.5. Register Network Camera Event

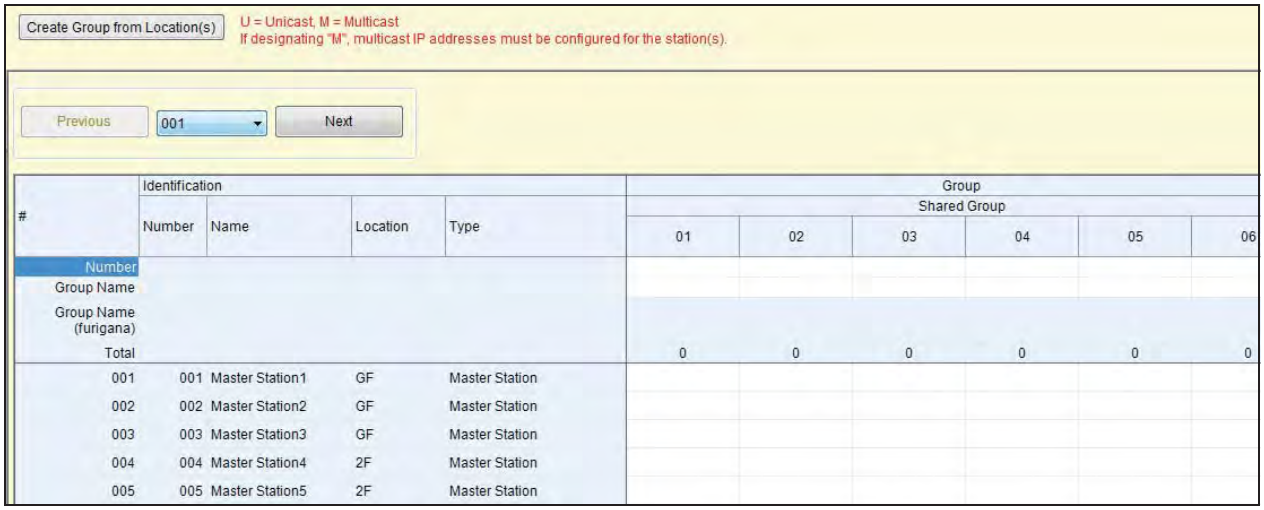
Click "Edit" > "Register Network Camera Event," the "Network Camera Event Setup" window will be shown.



For "Register Network Camera Event," refer to "6.5.2. Network Camera Event Registry" ➤ P.176.

2.6. Master Station Group Settings

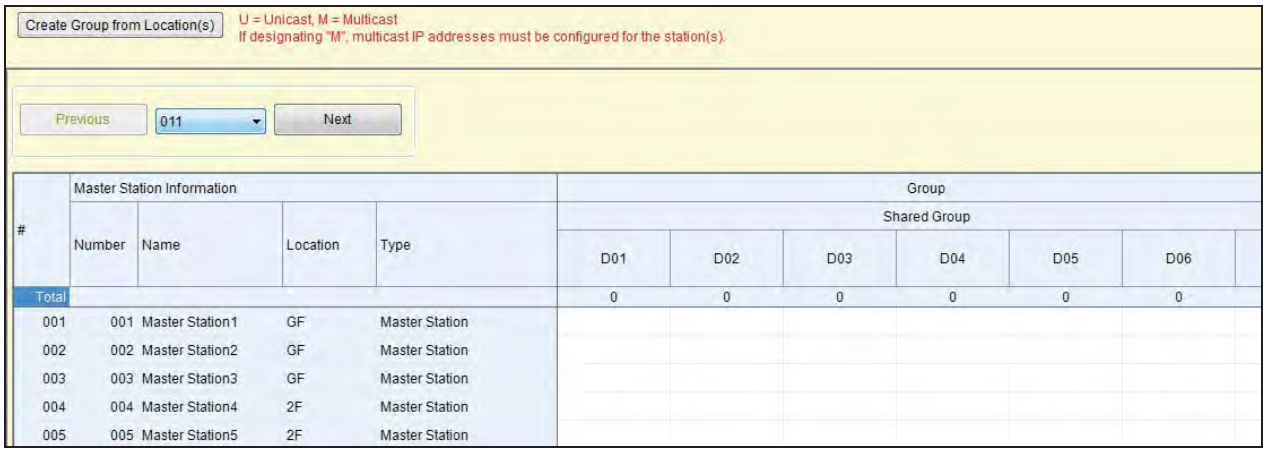
Click "Edit" > "Master Station Group Settings," the following window will be shown.



For "Master Station Group Settings," refer to "3.3. Group" ➤ P.142.

2.7. Door Station Group Settings

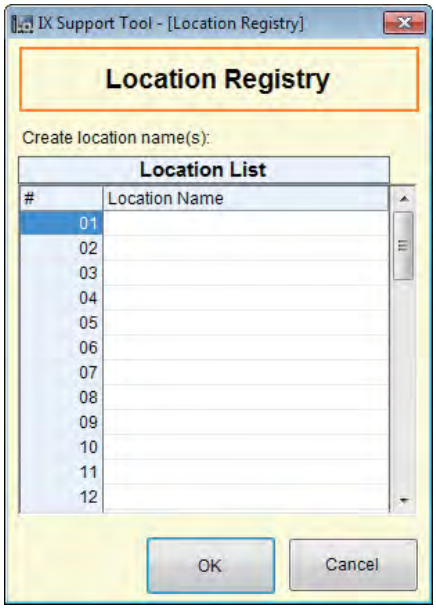
Click "Edit" > "Door Station Group Settings," the following window will be shown.



For "Door Station Group Settings," refer to "6.2.6. Door Station Group List (Door Station only)" ➤ P.169.

2.8. Location Registry

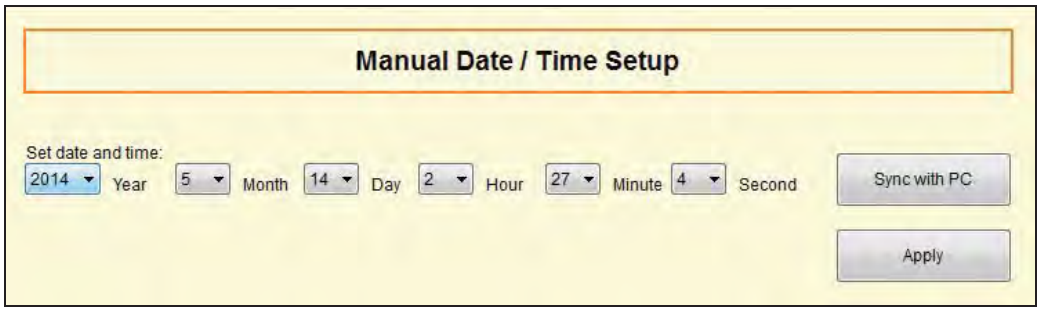
Click "Edit" > "Location Registry," the "Location Registry" window will be shown.



For "Location Registry," refer to "1.1.2. Location Registry" ➤ P.111.

2.9. Manual Date / Time Setup

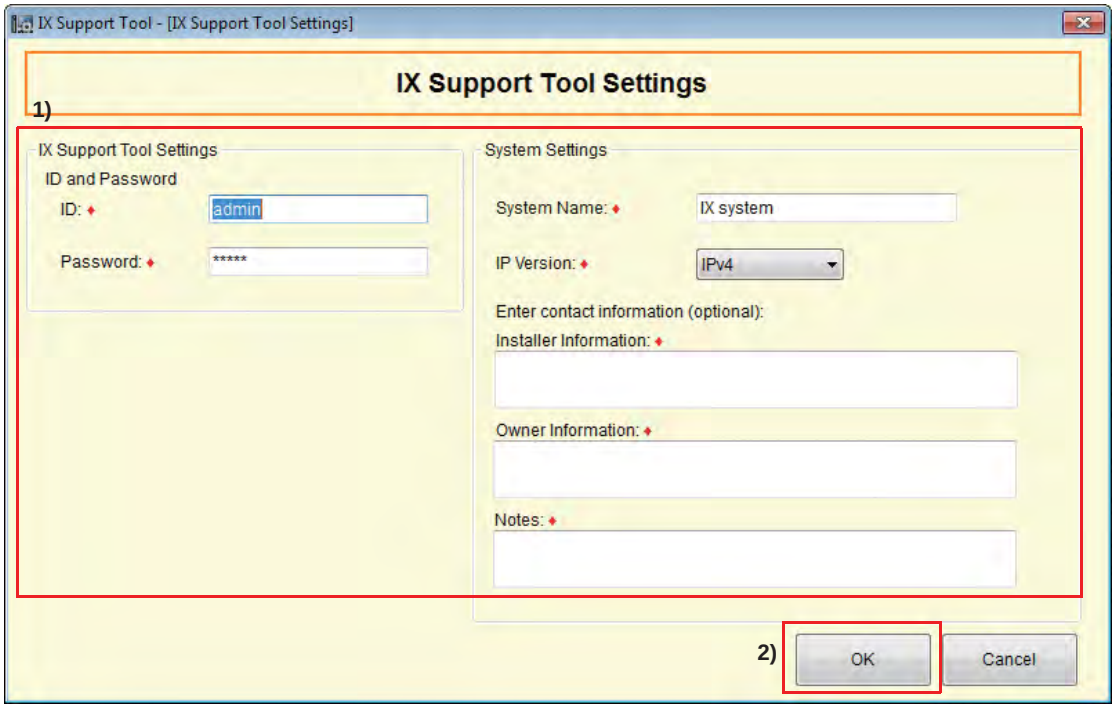
Click "Edit" > "Manual Date / Time Setup," the "Manual Date / Time Setup" window will be shown.



For "Manual Date / Time Setup," refer to "1.3.4. Manual Date / Time Setup" ➤ P.114.

2.10. IX Support Tool Settings

Click "Edit" > "IX Support Tool Settings," the "IX Support Tool Settings" window will be shown.



How to configure

1) Configure each item.

- Configure each item with "♦."

2) Click OK.

- Click Cancel, to terminate without registering the information.

■ ID ♦

Description	Set an ID to log in IX Support Tool.
Settings	1-32 alphanumeric characters
Default values	admin

■ Password ♦

Description	Set a password to log in IX Support Tool.
Settings	1-32 alphanumeric characters
Default values	admin

■ System Name ♦

Description	Change the system name. When changing the system name, the name of the folder where the setting data is stored will be changed as well.
Settings	1-64 alphanumeric characters
Default values	The system name of the setting data being edited will be shown.

■ IP Version ♦

Description	Choose the protocol for IX Support Tool.
Settings	• IPv4 • IPv6
Default values	IPv4

■ Installer Information ♦

Description	Enter the installer information.
Settings	1-64 alphanumeric characters
Default values	-

■ Owner Information ♦

Description	Enter the owner information.
Settings	1-64 alphanumeric characters
Default values	-

■ Notes ♦

Description	Enter the notes.
Settings	1-64 alphanumeric characters
Default values	-

3. Language

Set the language of following items.

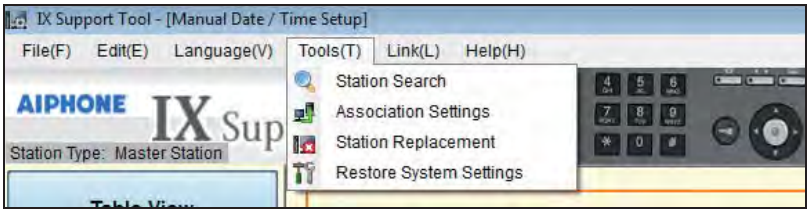
- The display content of the IX Support Tool.
- The input text language of settings item. (Station Name, Address book, etc.)
- The content of the e-mail message and system log.

1) Click "Language" > select language, the screen will be changed to the selected language.

Caution

- **Configure each station through a Web browser individually, to set a different language for each station.**

4. Tools



4.1. Station Search

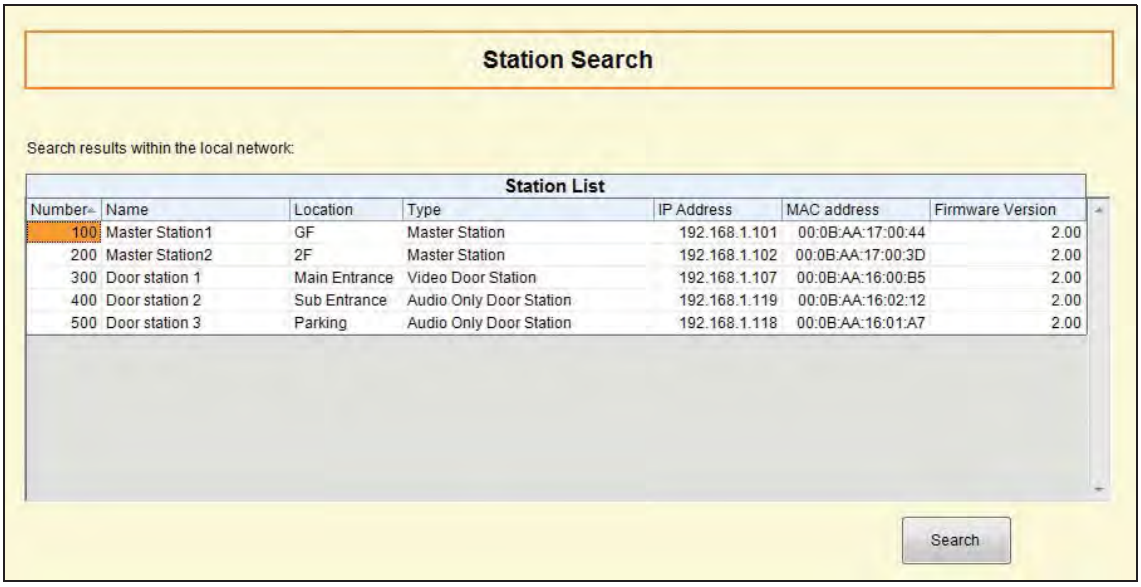
Search the stations in IX System connected in the network to show the list.

1) Connect the PC to the network to which the station is connected.

- Choose the same protocol as the system. For how to set up the protocol, refer to "2.10. IX Support Tool Settings" ➤ P.93.

2) Click "Tools" > "Station Search," the searched stations will be shown in the "Station Search" window. (Searching may take several minutes.)

- The stations without power and the stations in the process of initialization will not be subject to search.
- Search up to 1,000 stations at a time.
- Click Search, to search again.

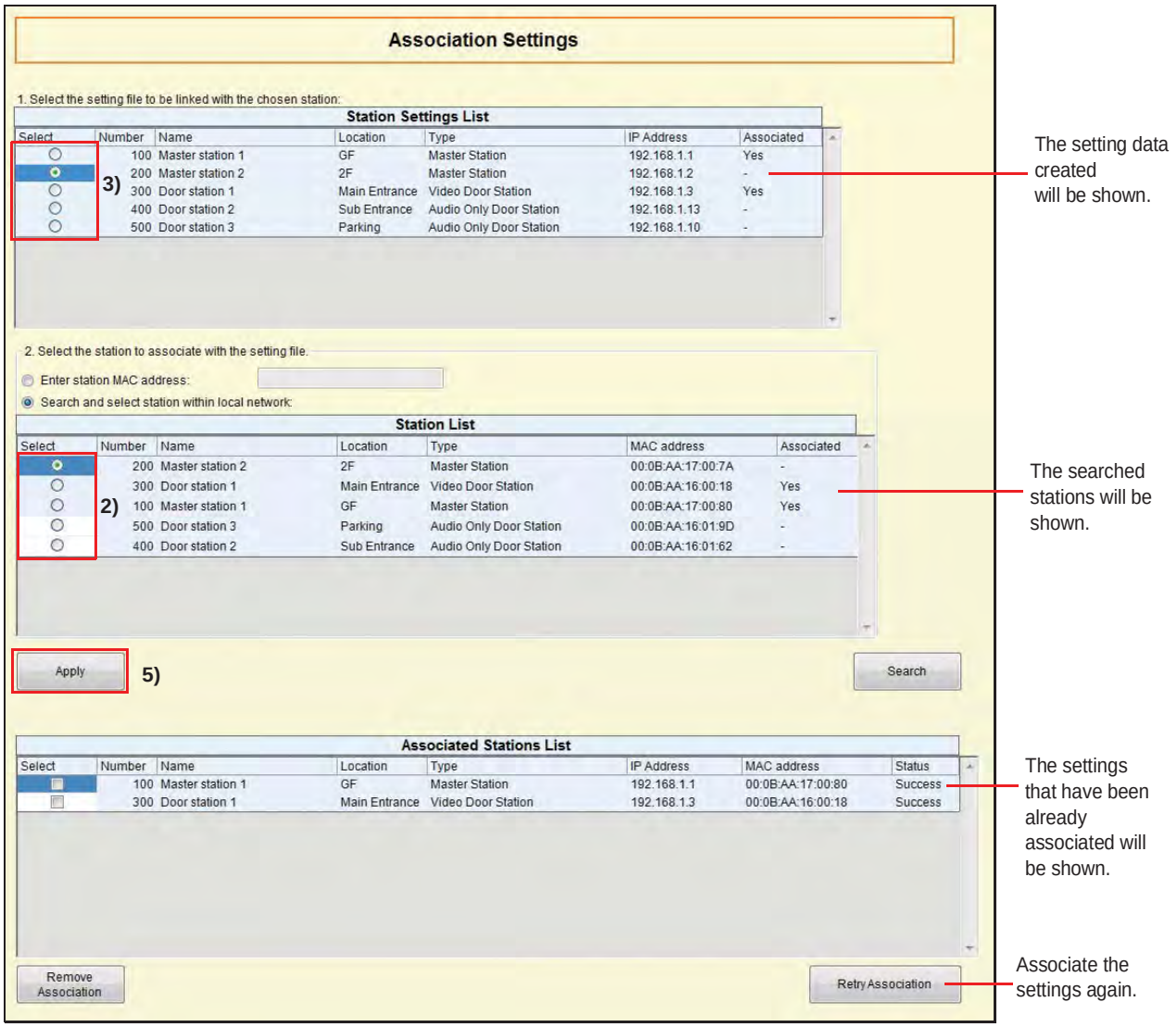


4.2. Association Settings

The data created with IX Support Tool is to be assigned to each station.

Associate the settings when creating the setting data.

Some items cannot be configured without association.



1) Connect the PC to the network to which the station is connected.

- Choose the same protocol as the system. For how to set up the protocol, refer to "2.10. IX Support Tool Settings" ➤ **P.93**.

2) Click "Tools" > "Association Settings," the stations will be searched and the "Association Settings" window will be shown. (Searching may take several minutes.)
- The stations without power and the stations in the process of initialization will not be subject to search.
- Search up to 1,000 stations at a time.
- Click Search, to search again.

3) Check ○ of the setting data to be associated in the "Station Settings List."
- A station that has already been associated cannot be selected.
- If IP Address is not configured, the station cannot be selected.

4) Choose a station to associate with the data selected in **3)** in the "Station List."
- A station that has already been associated cannot be selected.
- Check "Enter station MAC address" to specify a station by entering the stations MAC address.

5) Click Apply.
- The associated contents will be shown in "Associated Stations List."
  If the IP Address has been changed, the station will be restarted.

6) Repeat the steps **3)** through **5)** for all the stations.

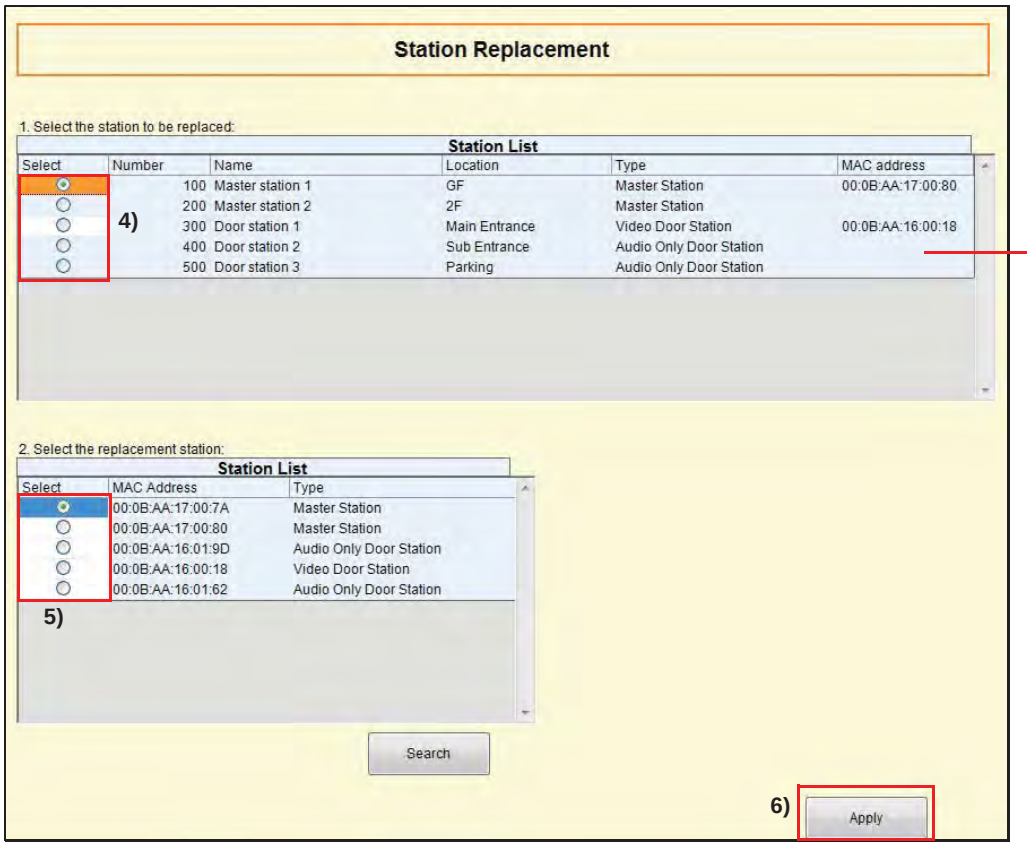
Point

- To dissociate, select the content to dissociate in "Associated Stations List," and click Remove Association.

4.3. Station Replacement

Use this feature to replace a station. The station can only be replaced with the same type.

Click "Tool" > "Station Replacement," the "Station Replacement" window will be shown.



The MAC address of the associated station will be shown. If there is no associates station, nothing will be shown.

1) Connect the PC to the same network as the station.

- Choose the same protocol as the system. For how to set up the protocol, refer to "2.10. IX Support Tool Settings" ➤ **P.93**.

2) Replace the station.

3) Click "Tools" > "Station Replacement," the stations will be searched and the "Station Replacement" window will be shown. (Searching may take several minutes.)

- The stations without power and the stations in the process of initialization will not be subject to search.
- Search up to 1,000 stations at a time.
- Click Search, to search again.

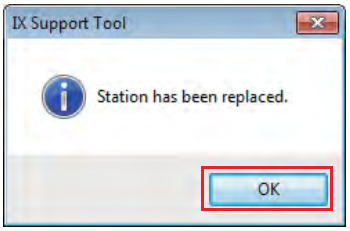
4) In "Station List," check ◯ of the station to be replaced.

5) Choose the station newly installed in the "Station List."

6) Click Apply.

- The setting data will be uploaded to the newly installed station.

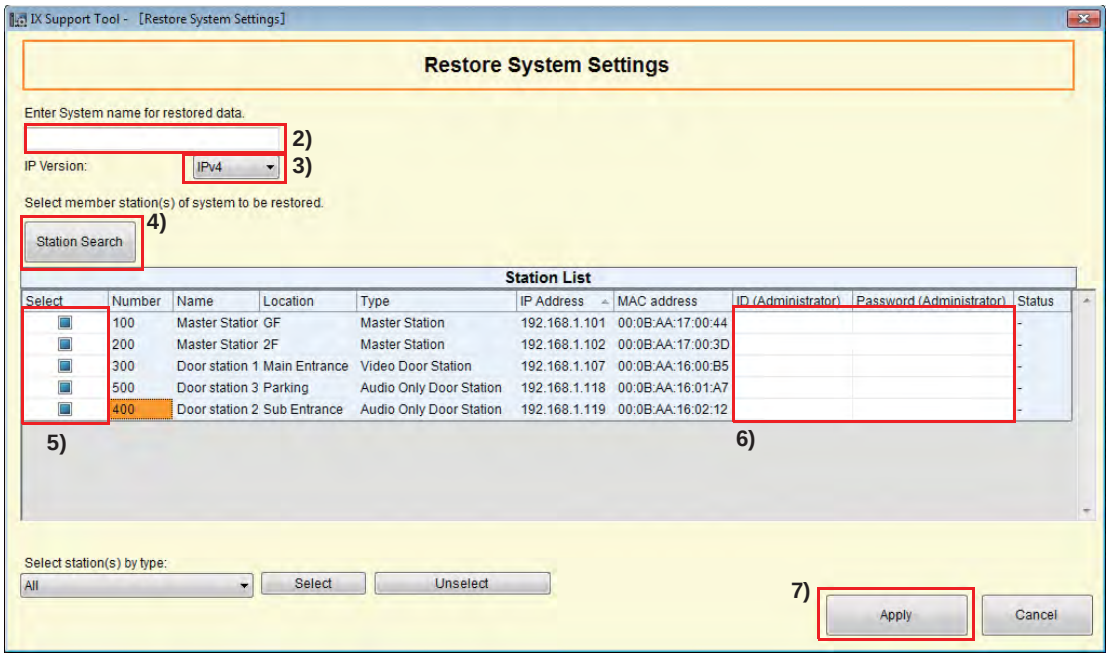
7) Click OK.



4.4. Restore System Settings

If the setting file is lost, the setting file can be restored.

Choose "Tool" > "Restore System Settings" or click Restore Setting file on the "New System" window ➤ P.60, ➤ P.81, the "Restore System Settings" window will be shown.



1) Connect the PC to the network to which the station is connected.

2) Enter the system name which the setting file to be restored.
- 1-64 alphanumeric characters

3) Choose the internet protocol version for the system.

4) Click Station Search, the stations will be searched and shown in the "Station List" window. (Searching may take several minutes.)
- The stations without power and the stations in the process of initialization will not be subject to search.
- Search up to 1,000 stations at a time.

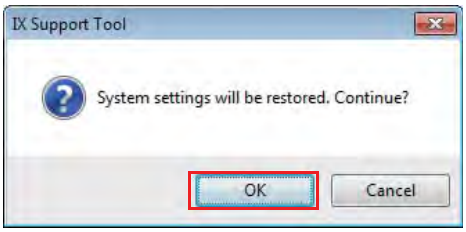
5) In "Station List," check the station which the setting file to be restored.
- If the station number is duplicated or does not exist, the setting file will not be restored.
- To select or unselect the stations in a batch, choose the station type for a batch selection and click Select or Unselect.

6) Enter "Administrator ID" and "Administrator Password" of the station which the setting file to be restored.
- If "Administrator ID" and "Administrator Password" is incorrect, the setting file cannot be restored.
- The default "Administrator ID" and "Administrator Password" are "admin."

7) Click Apply.

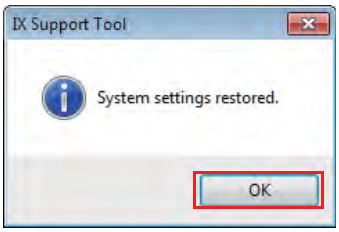
8) Click OK.

- If clicking Cancel, the screen goes back to "Restore System Settings" window.

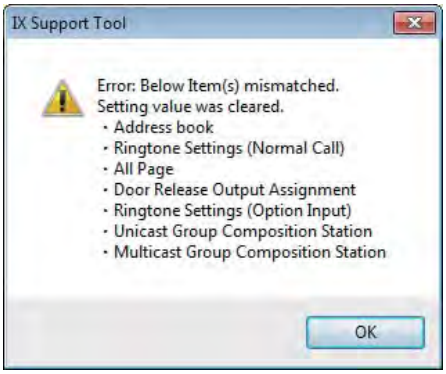


9) Click OK.

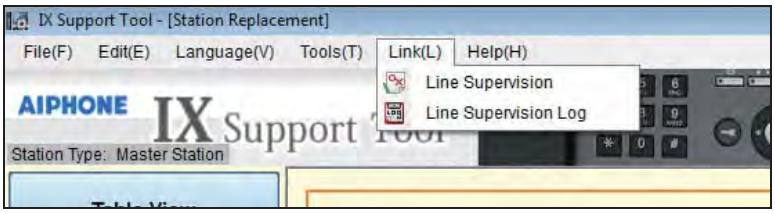
- The restored setting files are stored at "SupportTool" > "SystemData" > "(System name chosen)" > "Setting_ForUser" as "Config-(Station Number)-(yyyy.mm.dd.hh.mm.ss).txt" for each station.
- The custom sound files are stored at "SupportTool" > "SystemData" > "(System name chosen)" > "Sound."



- The items that could not be restored are displayed as shown below.



5. Link

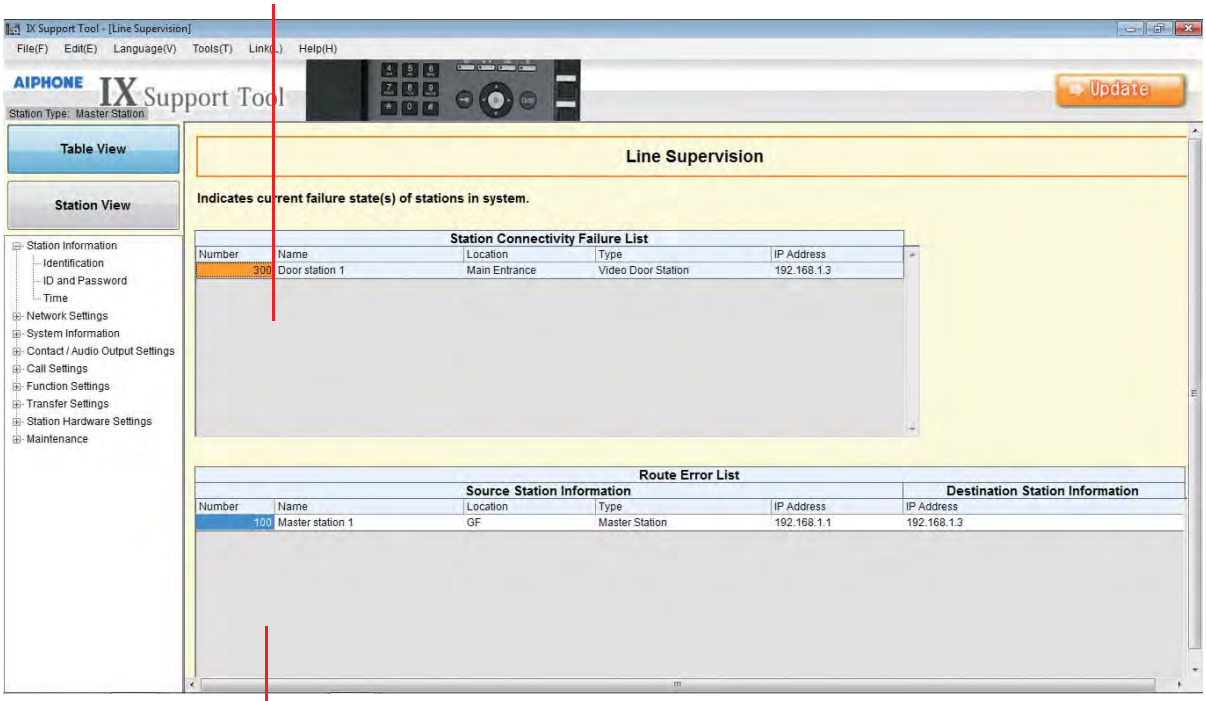


5.1. Line Supervision

Monitor the stations in the system for any failure.

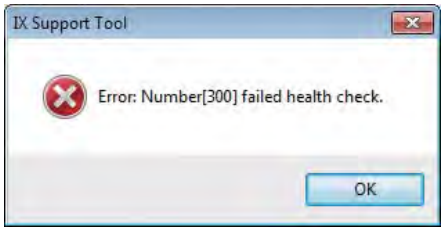
Click "Link" > "Line Supervision," the "Line Supervision" window will be shown.

The station information for a current error will be shown.



The content of the communication error will be shown.
A communication error occurs when the station in "Source Station Information" calls the station in "Destination Information."

When there is an error, the following window will be shown.



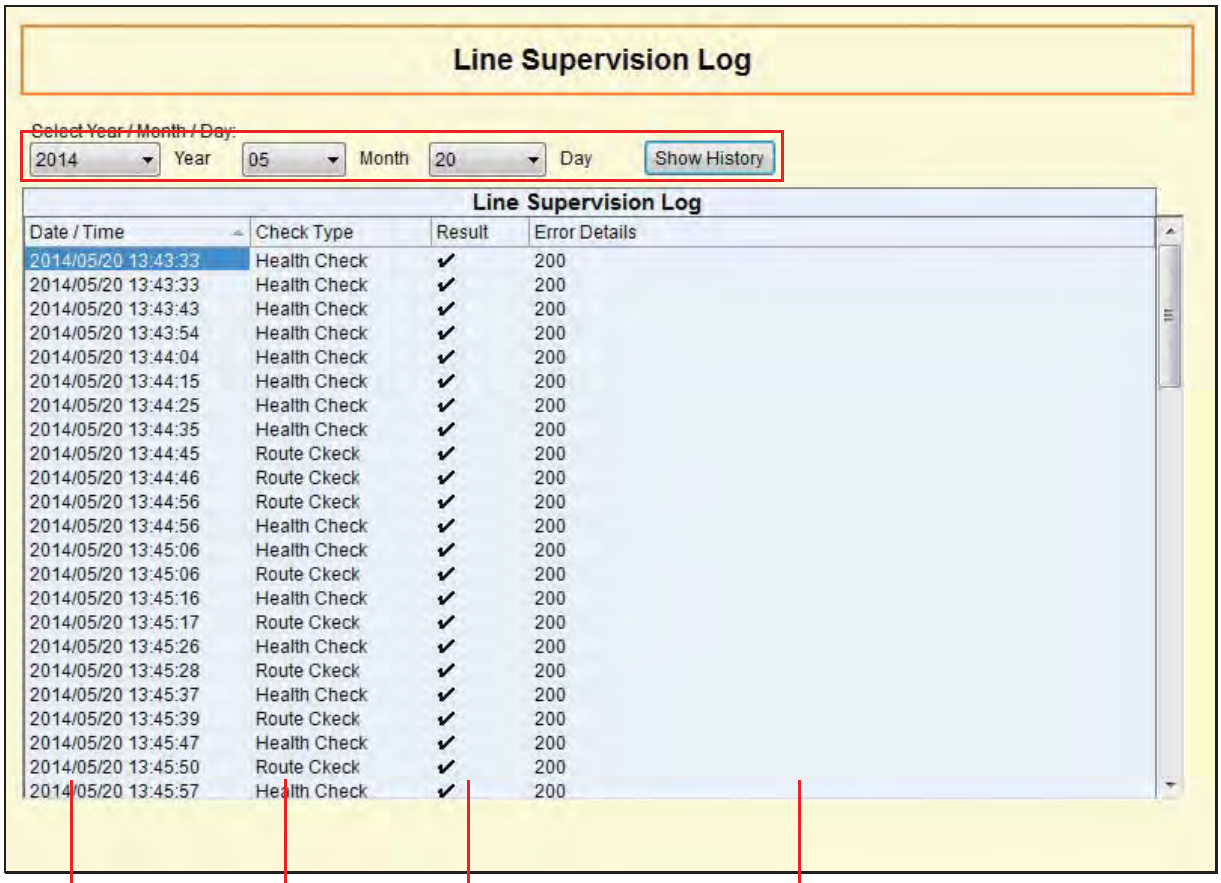
Even if the error is restored or a new error occurs, the window will not be automatically refreshed.
To refresh, click "Link" > "Line Supervision" again to re-display the window.

5.2. Line Supervision Log

Check the Line Supervision Log for any device error or a communication error.

Click "Link" > "Line Supervision Log," the "Line Supervision Log" window will be shown.

Select the date to check the Line Supervision Log and click Show History, the Line Supervision Log will be shown.



Date / Time:
The time at which the station was monitored will be shown.

Check Type:
The Check Type will be shown.
Health check: The station is checked for any error.
Route check: The station is checked for any communication error.

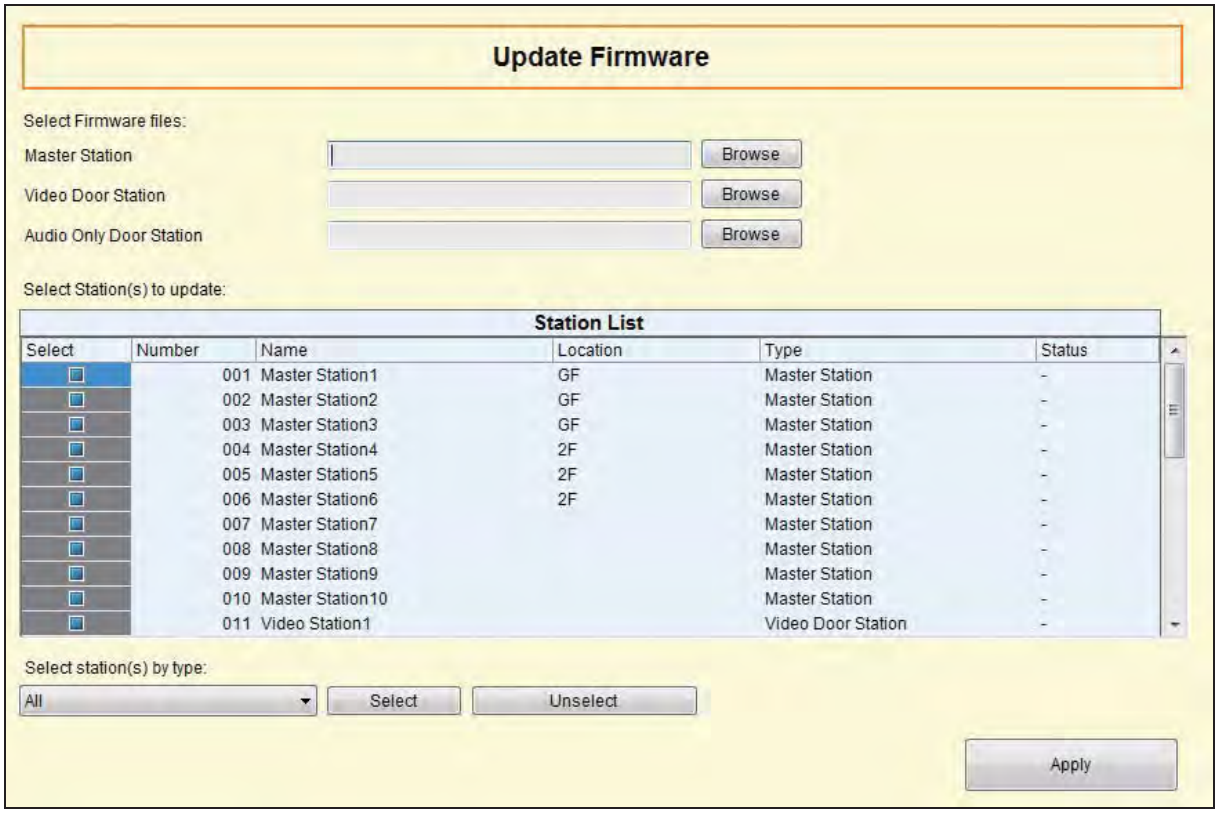
Result:
The result of the monitoring will be shown.
✓: Success
x: Error

Error Details:
The station which is monitored will be shown.
If Route check identifies an error,
"(Logged Station Number) → (Destination IP Address)" will be shown.

6. Help

6.1. Update Firmware

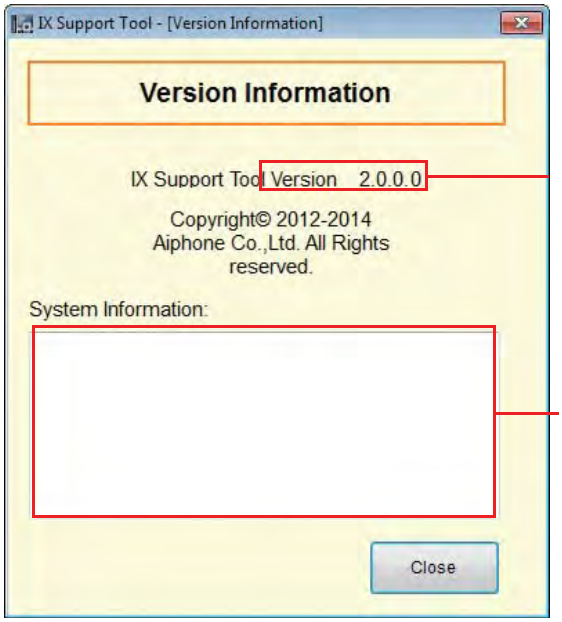
Click "Help" > "Update Firmware," the "Update Firmware" window will be shown.



For "Update Firmware," refer to "9.1. Firmware Update" ➤ P.197.

6.2. About

Click "Help" > "About," the "Version Information" window will be shown.



The current version of the IX Support Tool.

The installer, the owner, and the notes entered in "2.10. IX Support Tool Settings" ➤ P.93 will be shown.

Click Close, to close the window.

System settings (Settings (Table View))

Important

- **Depending on the language for the display on the Master Station, the content of the settings item may appear incorrectly.**
- **The symbols indicate the following:**

♦: Indicates a required field. A value should be entered. Retain the default settings, unless a change is necessary.

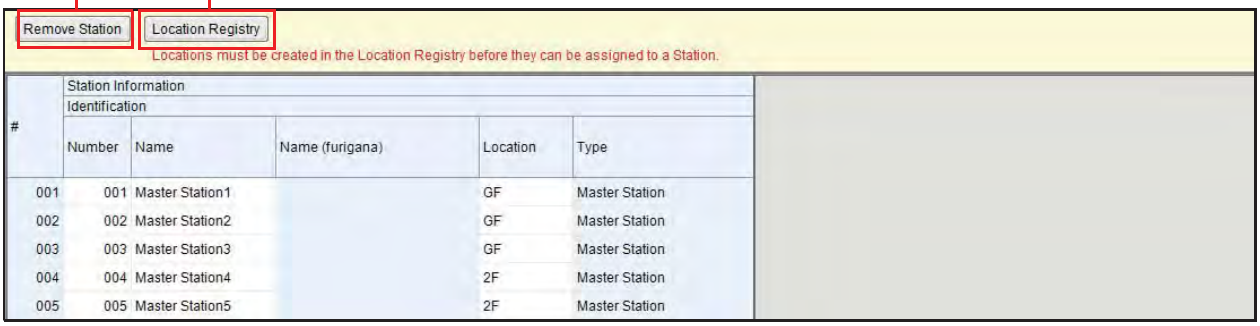
1. Station Information

1.1. Identification

Set up the station number, station name, and location of each station.

"1.1.1. Remove Station" ➤ P.110

"1.1.2. Location Registry" ➤ P.111



■ Number ♦

Description	Enter the station number. Give each station a unique number.
Settings	3-5 digits
Default values	Sequential numbers are assigned.
Remarks	When updated, the stations are sorted by the station number.

■ Name

Description	Enter the station name.
Settings	1-24 alphanumeric characters
Default values	Master Station: Master Station (number), Video Door Station: Video Station (number) Audio Only Door Station: Audio Station (number)
Remarks	When updated with no entry, the station numbers are automatically copied in this field.

■ Location

Description	Select the location where the station is installed. The Location is used to search a station by the Location.
Settings	Select one from the location registered in "1.1.2. Location Registry" ➤ P.111.
Default values	-

■ Type

Description	Enter the station type.
Settings	• Master Station • Video Door Station • Audio Only Door Station
Default values	-

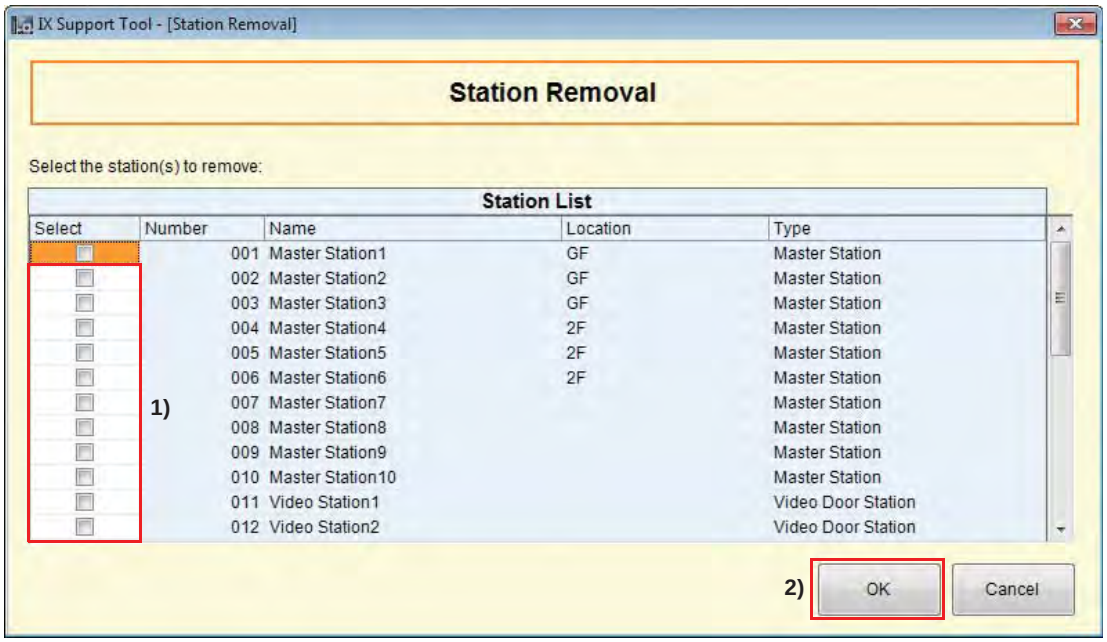
Point

Name (furigana) is only accessible when using Japanese or Chinese language.

1.1.1. Remove Station

Delete a station from the settings.

Click [Remove Station], the "Station Removal" window will be shown.



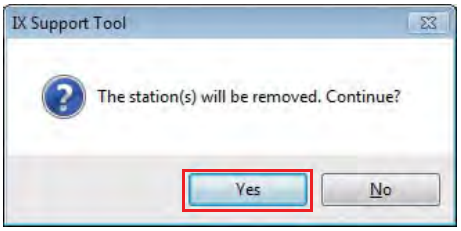
How to delete a station

1) Check ☐ of the station to be deleted.

2) Click [OK].

- Click [Cancel], to cancel deletion.

3) Click [Yes], to delete the station.

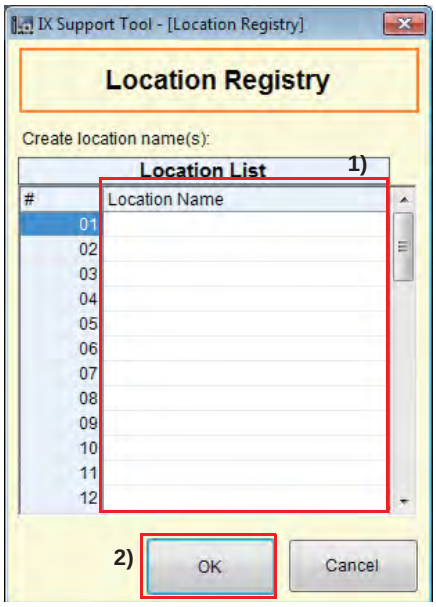


- Click [No], to cancel the deletion. The screen will go back to the "Station Removal" window.

1.1.2. Location Registry

Click Location Registry, the "Location Registry" window will be shown.

Register up to 50 locations.



How to register a Location

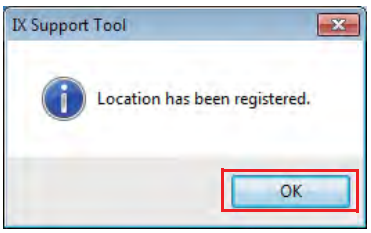
1) Enter the Location in "Location List."

- Location Name: 1-24 alphanumeric characters

2) Click OK.

- Click Cancel, to terminate without registering the Location.

3) Click OK.



1.2. ID and Password

Set the ID and password for logging in via a Web browser (WEB Settings Access) to configure a station.

#	Station Information				Station Information			
	Identification				ID and Password			
	Number	Name	Location	Type	Administrator ID	Administrator Password	User ID	User Password
001	001	Master Station1	GF	Master Station	admin	*****	user	****
002	002	Master Station2	GF	Master Station	admin	*****	user	****
003	003	Master Station3	GF	Master Station	admin	*****	user	****
004	004	Master Station4	2F	Master Station	admin	*****	user	****
005	005	Master Station5	2F	Master Station	admin	*****	user	****

■ Administrator ID ♦

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

■ Administrator Password ♦

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

■ User ID ♦

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

■ User Password ♦

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

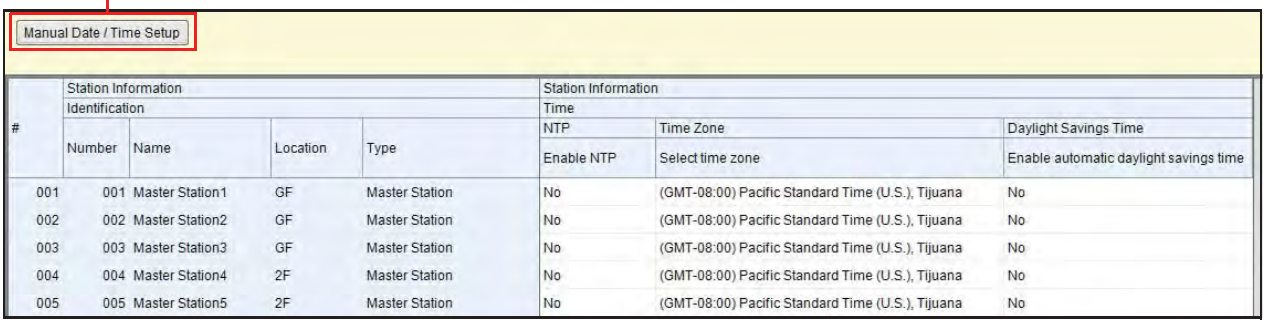
Point

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

1.3. Time

Set the date and time for each station.

"1.3.4. Manual Date / Time Setup" ➤ P.114



#	Station Information				Station Information		
	Identification				Time		
	Number	Name	Location	Type	NTP	Time Zone	Daylight Savings Time
					Enable NTP	Select time zone	Enable automatic daylight savings time
001	001	Master Station1	GF	Master Station	No	(GMT-08:00) Pacific Standard Time (U.S.), Tijuana	No
002	002	Master Station2	GF	Master Station	No	(GMT-08:00) Pacific Standard Time (U.S.), Tijuana	No
003	003	Master Station3	GF	Master Station	No	(GMT-08:00) Pacific Standard Time (U.S.), Tijuana	No
004	004	Master Station4	2F	Master Station	No	(GMT-08:00) Pacific Standard Time (U.S.), Tijuana	No
005	005	Master Station5	2F	Master Station	No	(GMT-08:00) Pacific Standard Time (U.S.), Tijuana	No

1.3.1. NTP

■ Enable NTP

Description	Enable NTP server time retrieval. If selecting "Yes," configure "2.8. NTP" ➤ P.134.
Settings	• Yes • No
Default values	No

1.3.2. Time Zone

■ Select time zone

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

1.3.3. Daylight Savings Time

■ Enable automatic daylight savings time

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

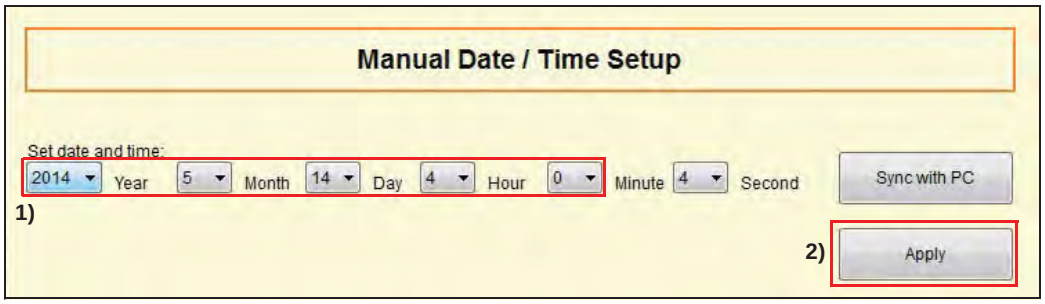
1.3.4. Manual Date / Time Setup

Enter the time for each station. The time is used for incoming calls, outgoing calls, and the system log.

Caution

Time is set with "Association Settings." The time cannot be set unless the station is connected to the network to which the PC is connected.

Click Manual Date / Time Setup, the "Manual Date / Time Setup" window will be shown.



How to configure the date and time

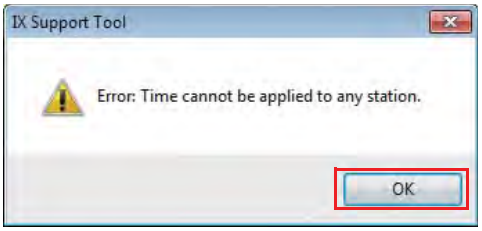
1) Select "Year," "Month," "Day," "Hour," "Minute," and "Second."

Or click Sync with PC to synchronize with PC.

2) Click Apply.

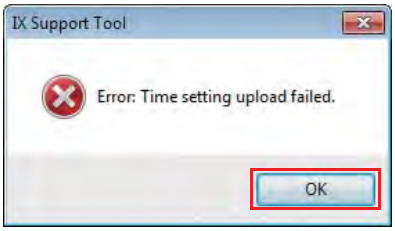
- If date and time is not set with "Association Settings," or if the station is not connected to the PC, the following screen will be shown.

  Click OK to use "Association Settings."

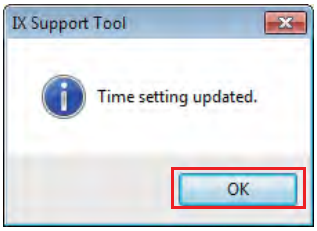


- If the station is not connected to the PC, the following screen will be shown.

  Click OK, and connect the PC to the network to which the station is connected.



3) Click OK.

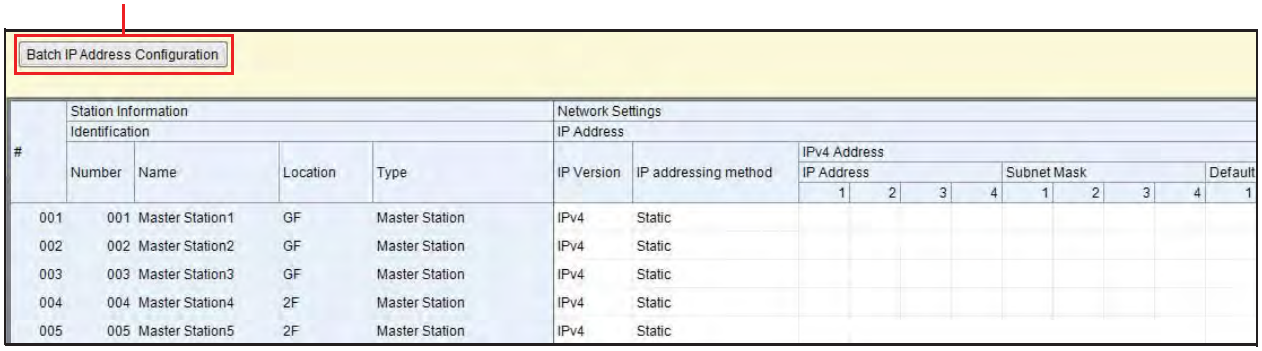


2. Network Settings

2.1. IP Address

Configure the IP address, subnet mask, and default gateway for each station.

"2.1.3. Batch IP Address Configuration" ➤ P.119



■ IP Version

Description	Select the communication type for each station.
Settings	• IPv4 • IPv6
Default values	IPv4

Caution

IPv4 and IPv6 cannot be mixed in the same system.

■ IP addressing method

Description	Select the addressing method for the IP version selected in "■IP Version."
Settings	When selecting IPv4: • Static • DHCP When selecting IPv6: • Static • Stateless • DHCPv6
Default values	IPv4 • Static

Caution

- **IPv4 and IPv6 cannot be mixed in the same system.**
- **When selecting "DHCP" for IPv4, configure the system so that the DHCP server assigns a Static IP Address to each station.**
- **When selecting "Stateless" for IPv6, do not change the prefix of the device so that it can transmit RA.**
- **When selecting "DHCPv6" for IPv6, configure the system so that the DHCP server assigns a Static IP Address to each station. 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.**

2.1.1. IPv4 Address

■ IP Address ♦

Description	Set the IP address of each station. Set a unique IP address for each station.
Settings	1.0.0.0-223.255.255.255
Default values	-

■ Subnet Mask ♦

Description	Set the subnet mask for each station.
Settings	128.0.0.0-255.255.255.255
Default values	-

■ Default Gateway

Description	Set the default gateway of the network to which each station belongs.
Settings	1.0.0.0-223.255.255.255
Default values	-

2.1.2. IPv6 Address

■ IP Address ♦

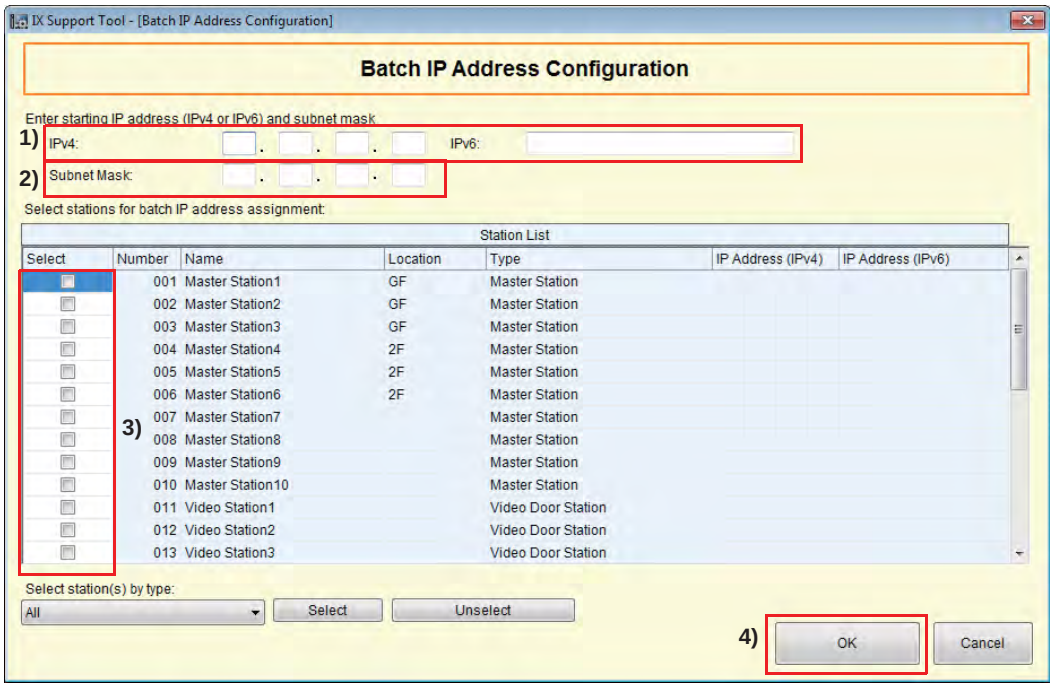
Description	Set the IP address of each station. Set a unique IP address for each station.
Settings	2000::0-3FFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or FD00::0-FDFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	-

■ Default Gateway

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

2.1.3. Batch IP Address Configuration

Click Batch IP Address Configuration, the "Batch IP Address Configuration" window will be shown.



How to perform Batch IP Address Configuration

1) Enter the start address that is to be automatically assigned to "IPv4 Address" or "IPv6 Address."

2) For IPv4, enter "Subnet Mask."

- With the subnet mask, set the range for assignment. The network addresses in the range and the broadcast addresses cannot be assigned.

3) Check ☐ of the station to which the IP address in "Station List" is to be automatically assigned.

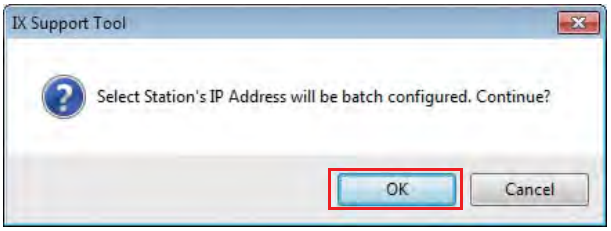
- To select or unselect stations in a batch, choose the station type and click Select or Unselect.

4) Click OK.

- Click Cancel, to cancel automatic assignment.

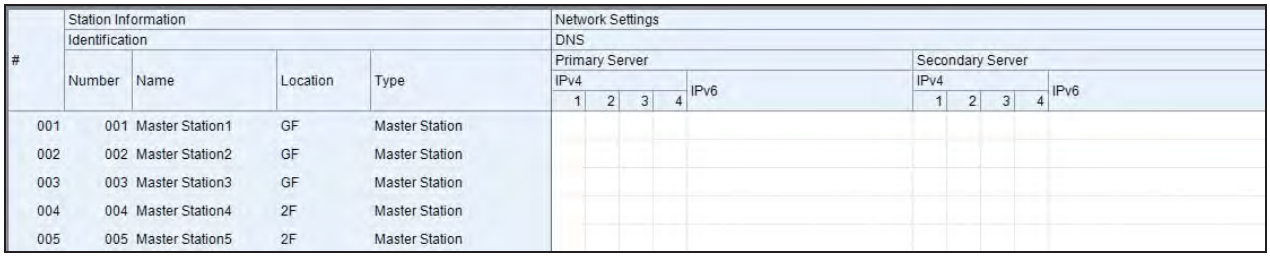
5) Click OK, the Batch IP Addresses will be automatically assigned, and the subnet mask will be entered.

- Click Cancel, the screen will go back to "Batch IP Address Configuration" window.



2.2. DNS

To set the NTP server with a host name in "2.8. NTP" ➤ **P.134**, or when configuring "6.6. E-mail Settings" ➤ **P.178** to use the e-mail function, set the address of the DNS server to perform name resolution.



#	Station Information				Network Settings									
	Identification				DNS									
	Number	Name	Location	Type	Primary Server					Secondary Server				
					IPv4				IPv6	IPv4				IPv6
					1	2	3	4		1	2	3	4	
001	001	Master Station1	GF	Master Station										
002	002	Master Station2	GF	Master Station										
003	003	Master Station3	GF	Master Station										
004	004	Master Station4	2F	Master Station										
005	005	Master Station5	2F	Master Station										

2.2.1. Primary Server

■ IPv4

Description	Set the IPv4 address of the primary DNS server.
Settings	1.0.0.0-223.255.255.255
Default values	-

■ IPv6

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

2.2.2. Secondary Server

■ IPv4

Description	Set the IPv4 address of the secondary DNS server.
Settings	1.0.0.0-223.255.255.255
Default values	-

■ IPv6

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

2.3. SIP

#	Station Information				Network Settings		
	Identification				SIP		
	Number	Name	Location	Type	Connection	Miscellaneous	
					SIP Signaling Port	Call health check timer [sec]	
						Select	80-3600 sec
001	001	Master Station1	GF	Master Station	5060	80-3600 sec	90
002	002	Master Station2	GF	Master Station	5060	80-3600 sec	90
003	003	Master Station3	GF	Master Station	5060	80-3600 sec	90
004	004	Master Station4	2F	Master Station	5060	80-3600 sec	90
005	005	Master Station5	2F	Master Station	5060	80-3600 sec	90

2.3.1. Connection

■ SIP Signaling Port ♦

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

2.3.2. Miscellaneous

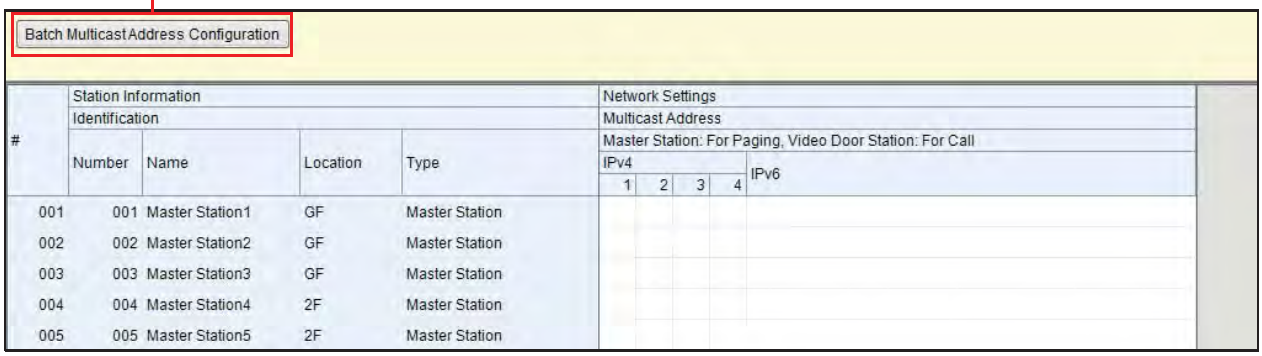
■ Call health check timer [sec] ♦

Description	When a communication error occurs during a call or while monitoring, the connection is disconnected after the specified time elapses.
Settings	• Do not transmit re-INVITE: A communication error should not be detected. • 80-3600 sec (by 1 sec)
Default values	80-3600 sec, 90 sec

2.4. Multicast Address (Master Station and Video Door Station only)

Set when configuring to use multicast in "3.3. Group (Master Station only)" ➤ P.229, "5.5. All Page" ➤ P.245 (for Master Station), or "5.2.2. Called Station List" ➤ P.151 (for Video Door Station).

"2.4.1. Batch Multicast Address Configuration" ➤ P.123



■ IPv4

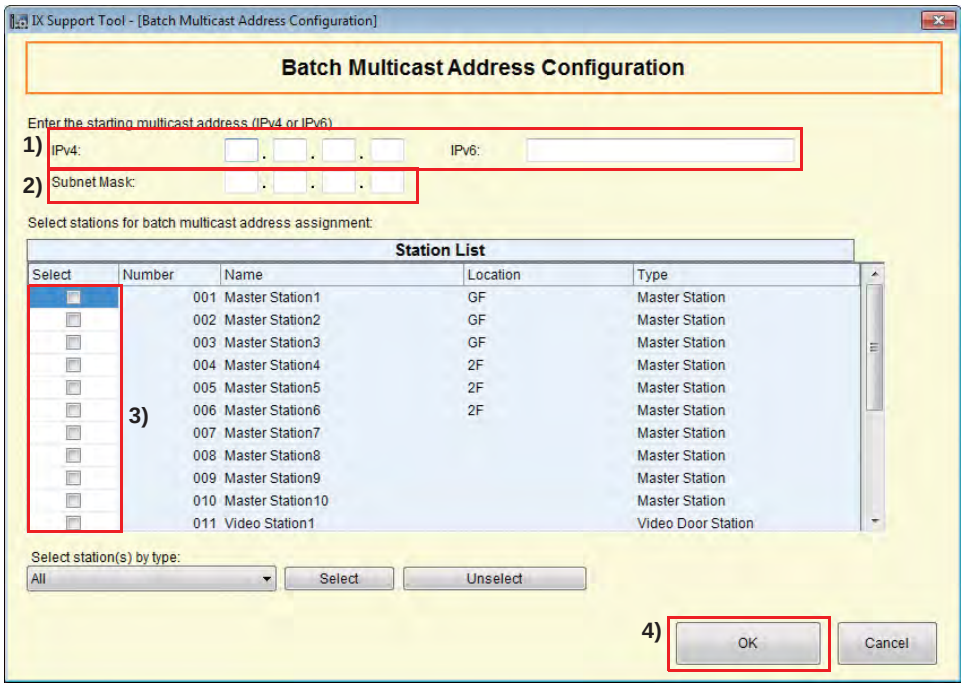
Description	Set the multicast IPv4 address for all page, group page (for Master Station), or group call (for Video Door Station) through multicast. Set a unique multicast address for each station.
Settings	224.0.0.0-239.255.255.255
Default values	-

■ IPv6

Description	Set the multicast IPv6 address for all page, group page (for Master Station), or group call (for Video Door Station) through multicast. Set a unique multicast address for each station.
Settings	FF10::0-FF1F:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	-

2.4.1. Batch Multicast Address Configuration

Click Batch Multicast Address Configuration, the "Batch Multicast Address Configuration" window will be shown.



How to perform Batch Multicast Address Configuration

1) Enter the start multicast address that is to be automatically assigned to "IPv4" or "IPv6."

2) For IPv4, enter "Subnet Mask."

- With the subnet mask, set the range for assignment.

3) Check ☐ of the station to which the multicast address in "Station List" is to be automatically assigned.

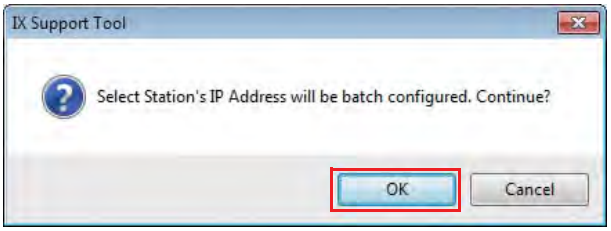
- To select or unselect stations in a batch, choose the station type and click Select or Unselect.

4) Click OK.

- Click Cancel to terminate the automatic assignment.

5) Click OK, the multicast addresses will be automatically assigned.

- Click Cancel, the screen goes back to "Batch Multicast Address Configuration" window.



2.5. Video

Configure video settings.

#	Station Information				Network Settings			
	Identification				Video			
	Number	Name	Location	Type	Video Encoder 1			
					Coding System	Resolution	Frame Rate [fps]	Select Profile [H.264 / AVC]
001	001	Master Station1	GF	Master Station				
002	002	Master Station2	GF	Master Station				
003	003	Master Station3	GF	Master Station				
004	004	Master Station4	2F	Master Station				
005	005	Master Station5	2F	Master Station				

2.5.1. Video Encoder 1

Configure video settings for a call between IX system stations.

■ Coding System (Video Door Station only)

Description	Select the coding system for the video.
Settings	• H.264 / AVC • Motion-JPEG
Default values	H.264 / AVC

■ Resolution (Video Door Station only)

Description	Select the resolution for the video.
Settings	• 320x240 (QVGA) • 640x480 (VGA)
Default values	320x240 (QVGA)

■ Frame Rate [fps] (Video Door Station only)

Description	Select the frame rate.
Settings	1, 3, 5, 7.5, 10, 15, 20, 30 fps
Default values	15 fps

■ Select Profile [H.264 / AVC] (Video Door Station only)

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

■ I-picture interval [H.264 / AVC] ♦ (Video Door Station only)

Description	Set the interval for transmitting pictures with H.264 / AVC.
Settings	1-100
Default values	15

■ Bit rate [kbps] [H.264 / AVC] (Video Door Station only)

Description	Select the bit rate for H.264 / AVC.
Settings	64, 128, 256, 384, 512, 768, 1024, 2048 kbps
Default values	1024 kbps

■ Select Quality [Motion-JPEG] (Video Door Station only)

Description	Set the image quality of Motion-JPEG.
Settings	1 (Low) through 10 (High)
Default values	6

■ RTP Start Port ♦ (Master Station and Video Door Station only)

Description	Set the start port for the RTP communication range. The (RTP End Port) should be greater than 90 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65534
Default values	30000

■ RTP End Port ♦ (Master Station and Video Door Station only)

Description	Set the end port for the RTP communication range. The (RTP End Port) should be greater than 90 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65535
Default values	31000

2.5.2. Video Encoder 2

Set when transmitting video using ONVIF.

When viewing video of Video Door Station with other manufacturer's product, refer to "2.5.3. Viewing video from Door Station with 3rd party products (ONVIF)" ➤ P.128.

Caution

These settings may be changed by ONVIF-compliant 3rd party products, if utilized. Refer to the manual of the 3rd party product to be used.

■ Second Video Encoder (Video Door Station only)

Description	Enable / Disable the dual stream function. Set to "Enable" when transmitting video through ONVIF.
Settings	• Enable • Disable
Default values	Enable

■ Coding System (Video Door Station only)

Description	Select the coding system for the video.
Settings	• H.264 / AVC • Motion-JPEG
Default values	H.264 / AVC

■ Resolution (Video Door Station only)

Description	Select the resolution for the video.
Settings	• 320x240 (QVGA) • 640x480 (VGA)
Default values	320x240 (QVGA)

■ Frame Rate [fps] (Video Door Station only)

Description	Select the frame rate.
Settings	1, 3, 5, 7.5, 10, 15, 20, 30 fps
Default values	15 fps

■ Select Profile [H.264 / AVC] (Video Door Station only)

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

■ I-picture interval [H.264 / AVC] ♦ (Video Door Station only)

Description	Set the interval for transmitting pictures with H.264 / AVC.
Settings	1-100
Default values	15

■ Bit rate [kbps] [H.264 / AVC] (Video Door Station only)

Description	Select the bit rate for H.264 / AVC.
Settings	64, 128, 256, 384, 512, 768, 1024, 2048 kbps
Default values	1024 kbps

■ Select Quality [Motion-JPEG] (Video Door Station only)

Description	Set the image quality of Motion-JPEG.
Settings	1 (Low) through 10 (High)
Default values	6

■ RTP Start Port ♦ (Master Station and Video Door Station only)

Description	Set the start port for the RTP communication range. The (RTP End Port) should be greater than 10 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65534
Default values	32000

■ RTP End Port ♦ (Master Station and Video Door Station only)

Description	Set the end port for the RTP communication range. The (RTP End Port) should be greater than 10 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65535
Default values	33000

2.5.3. Viewing video from Door Station with 3rd party products (ONVIF)

Video Door Station supports the ONVIF interface standard "ONVIF profile S."

View video from Door Station camera with 3rd party product supporting the ONVIF specification. (For products with confirmed interoperability, refer to our Web site "http://www.aiphone.net/.")

Important

Video from the Door Station camera cannot be viewed simultaneously by more than two products from other manufacturers.

Configuring the station so video can be viewed with a product by another manufacturer.

1) Select "Enable" for "■Second Video Encoder (Video Door Station only)" ➤ **P.126**.

Caution

Set "2.5.2. Video Encoder 2" ➤ P.126 according to the specification of the product.

2) Register Video Door Station on the product.

- Enter the authentication ID and password given below:
  Authentication ID: aiphone, Password: aiphone
- For how to register, refer to the instruction manual of the product to be registered.

2.6. Audio

Configure the settings for audio.

#	Station Information				Network Settings			
	Identification				Audio			
	Number	Name	Location	Type	Audio CODEC	Audio RTP Transmission Interval [msec]	RTP Idle Detection Time [sec]	Audio 1 RTP Start Port
001	001	Master Station1	GF	Master Station	G.711 (μ-law)	20	10	
002	002	Master Station2	GF	Master Station	G.711 (μ-law)	20	10	
003	003	Master Station3	GF	Master Station	G.711 (μ-law)	20	10	
004	004	Master Station4	2F	Master Station	G.711 (μ-law)	20	10	
005	005	Master Station5	2F	Master Station	G.711 (μ-law)	20	10	

■ Audio CODEC

Description	Select the audio CODEC.
Settings	• G.711 (μ-law) • G.711 (A-law)
Default values	G.711 (μ-law)

Caution

Stations with different audio CODEC cannot call, monitor, or page each other.

■ Audio RTP Transmission Interval [msec]

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

■ RTP Idle Detection Time [sec] ♦

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

■ Audio 1 RTP Start Port ♦

Description	Set the start port for the Audio 1 RTP communication range. The (RTP End Port) should be greater than 210 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65534
Default values	20000

■ Audio 1 RTP End Port ♦

Description	Set the end port for the Audio 1 RTP communication range. The (RTP End Port) should be greater than 210 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65535
Default values	21000

■ Audio 2 RTP Start Port ♦

Description	Set the start port for the Audio 2 RTP communication range. The (RTP End Port) should be greater than 10 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65534
Default values	22000

■ Audio 2 RTP End Port ♦

Description	Set the end port for the Audio 2 RTP communication range. The (RTP End Port) should be greater than 10 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65535
Default values	23000

2.6.1. Audio Buffer

■ Packets Buffered at Audio Start

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

■ Maximum Packets Buffered

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

2.7. Packet Priority

Configure the Packet Priority and VLAN for video, audio, and SIP packets.

Caution

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

#	Station Information				Network Settings					
	Identification				Packet Priority					
	Number	Name	Location	Type	TOS Value (Audio)	TOS Value (Video)	TOS Value (SIP)	VLAN Setting	VLAN ID	VLAN Priority
001	001	Master Station1	GF	Master Station	0x00		0x00	Disable	1	0
002	002	Master Station2	GF	Master Station	0x00		0x00	Disable	1	0
003	003	Master Station3	GF	Master Station	0x00		0x00	Disable	1	0
004	004	Master Station4	2F	Master Station	0x00		0x00	Disable	1	0
005	005	Master Station5	2F	Master Station	0x00		0x00	Disable	1	0

■ TOS Value (Audio)

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

■ TOS Value (Video)(Video Door Station only)

Description	Set the video packet priority (TOS value).
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	Enable/disable VLAN tagging.
Settings	• Disable • Enable
Default values	Disable

Important

When "■VLAN Setting" is enabled, ensure that the switches, PCs, and stations are all configured for VLAN operation.

■ VLAN ID ♦

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

■ VLAN Priority

Description	Set the VLAN priority.
Settings	0 (Low) through 7 (High)
Default values	0

2.8. NTP

Configure the settings for NTP. When using NTP, set "■Enable NTP" ➤ P.113.

#	Station Information				Network Settings				
	Identification				NTP				
	Number	Name	Location	Type	Primary Server			Secondary Server	
					Address		Port	Address	
					IPv4	IPv6		IPv4	IPv6
001	001	Master Station1	GF	Master Station			123		
002	002	Master Station2	GF	Master Station			123		
003	003	Master Station3	GF	Master Station			123		
004	004	Master Station4	2F	Master Station			123		
005	005	Master Station5	2F	Master Station			123		

2.8.1. Primary Server

■ Address [IPv4]

Description	Set the IPv4 address of the primary NTP server. When using a "Hostname," set up "2.2. DNS" ➤ P.120.
Settings	1.0.0.0-223.255.255.255 or Hostname (1-64 alphanumeric characters)
Default values	-

■ Address [IPv6]

Description	Set the IPv6 address of the primary NTP server. When using a "Hostname," set up "2.2. DNS" ➤ P.120.
Settings	::FF:0-FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or Hostname (1-64 alphanumeric characters)
Default values	-

■ Port

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

2.8.2. Secondary Server

■ Address [IPv4]

Description	Set the IPv4 address of the secondary NTP server. When using a "Hostname," set up "2.2. DNS" ➤ P.120.
Settings	1.0.0.0-223.255.255.255 or Hostname (1-64 alphanumeric characters)
Default values	-

■ Address [IPv6]

Description	Set the IPv6 address of the secondary NTP server. When using a "Hostname," set up "2.2. DNS" ➤ P.120.
Settings	::FF:0-FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or Hostname (1-64 alphanumeric characters)
Default values	-

■ Port

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

2.8.3. Synchronization Interval [hour]

■ Synchronization Interval [hour] ♦

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

3. System Information

3.1. Location Registry

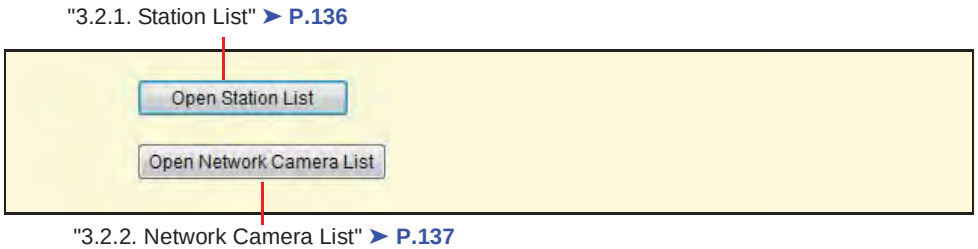
Register a location.

For how to register a location, refer to "1.1.2. Location Registry" ➤ P.111.

3.2. Address book (Master Station only)

Set up Address Book for Master Station.

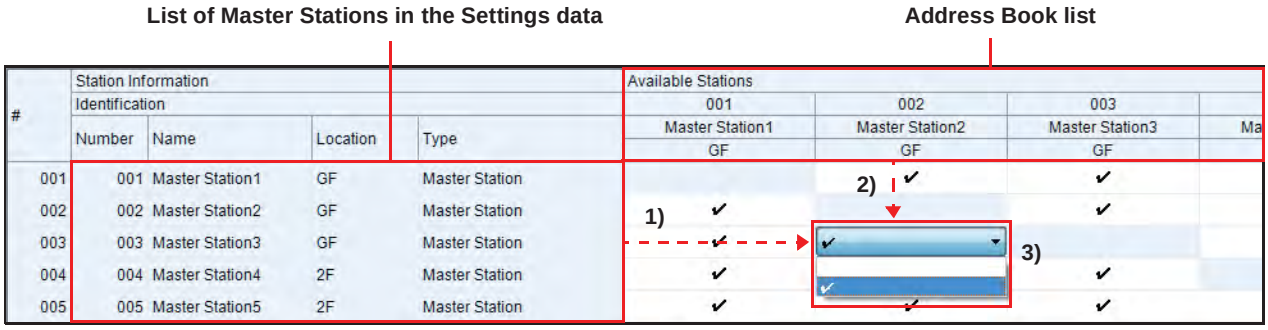
Use the Address Book to call/page a station or monitor a network camera.



3.2.1. Station List

Register the stations in IX System in the Address Book.

Click Open Station List, the following window will be shown.



How to create Station List

1) Identify the station to be configured using "List of Master Stations in the settings data."

2) Identify the station to be registered in the Address Book using "Address Book list."

3) Click the cells that correspond to **1)** and **2)**. As the pull-down menu appears, choose blank or "✓."
Blank: The selected station will not be registered in the Address Book.
✓: The selected station will be registered in the Address Book.

4) When done, click Update.

5) Click OK.

Point

- All items are "✓" as the default setting.
- A station cannot be registered to itself.

3.2.2. Network Camera List

Master Station supports the ONVIF interface standard "ONVIF profile S."

View video with Master Station monitor taken with a network camera made by other manufacturers supporting the ONVIF specification. (For products with confirmed interoperability, refer to our Web site "http://www.aiphone.net/.")

Register the network camera in the Address Book.

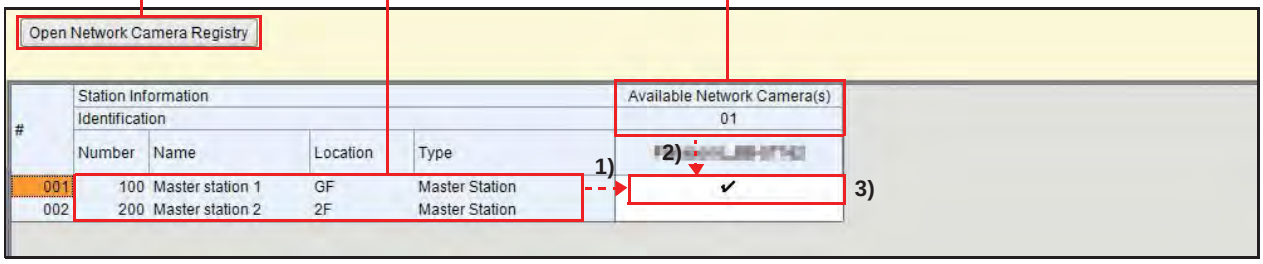
To register a network camera, one or more Master Station should be set using "Association Settings" and connected to the PC.

Click Open Network Camera List, the following window will be shown.

"■Network Camera Registry" ➤ P.138

List of Master Stations in the Settings data

Address Book list
If no network camera is registered, this will not be shown.



How to create Network Camera List

1) Identify the station to be configured using "List of Master Stations in the Settings data."

2) Identify the network camera to be registered in the Address Book using "Address Book list."

3) Click the cells that correspond to **1)** and **2)**. As the pull-down menu appears, choose blank or "✓."
Blank: The selected network camera will not be registered in the Address Book.
✓: The selected network camera will be registered in the Address Book.

4) When done, click Update.

5) Click OK.

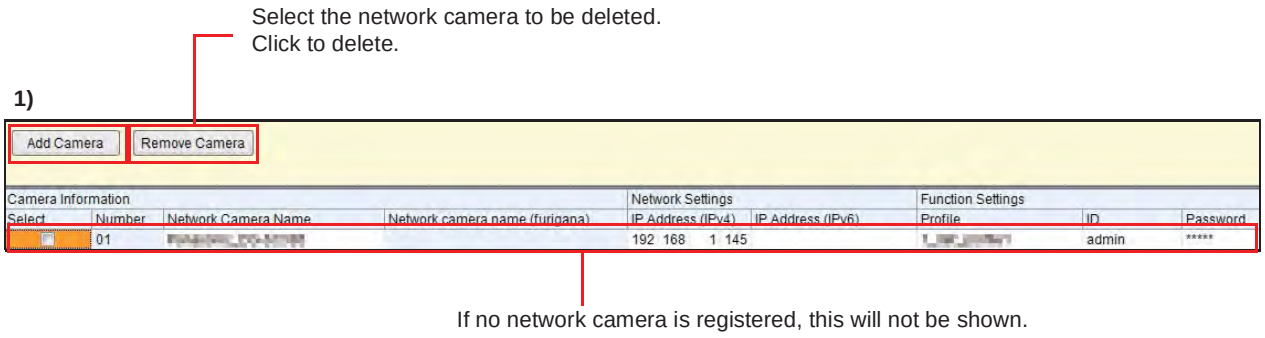
Point

All items are set as "Blank" in the default settings.

■ Network Camera Registry

A network camera should be registered.

Click Open Network Camera Registry, the following window will be shown.



■ Network Camera Name

Description	Enter the network camera name.
Settings	1-24 alphanumeric characters
Default values	-

■ Profile

Description	The selected video profile is shown.
Settings	-
Default values	-

■ ID

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

■ Password

Description	Enter the authentication password of the network camera.
Settings	1-32 alphanumeric characters
Default values	-

■ IP Address (IPv4)

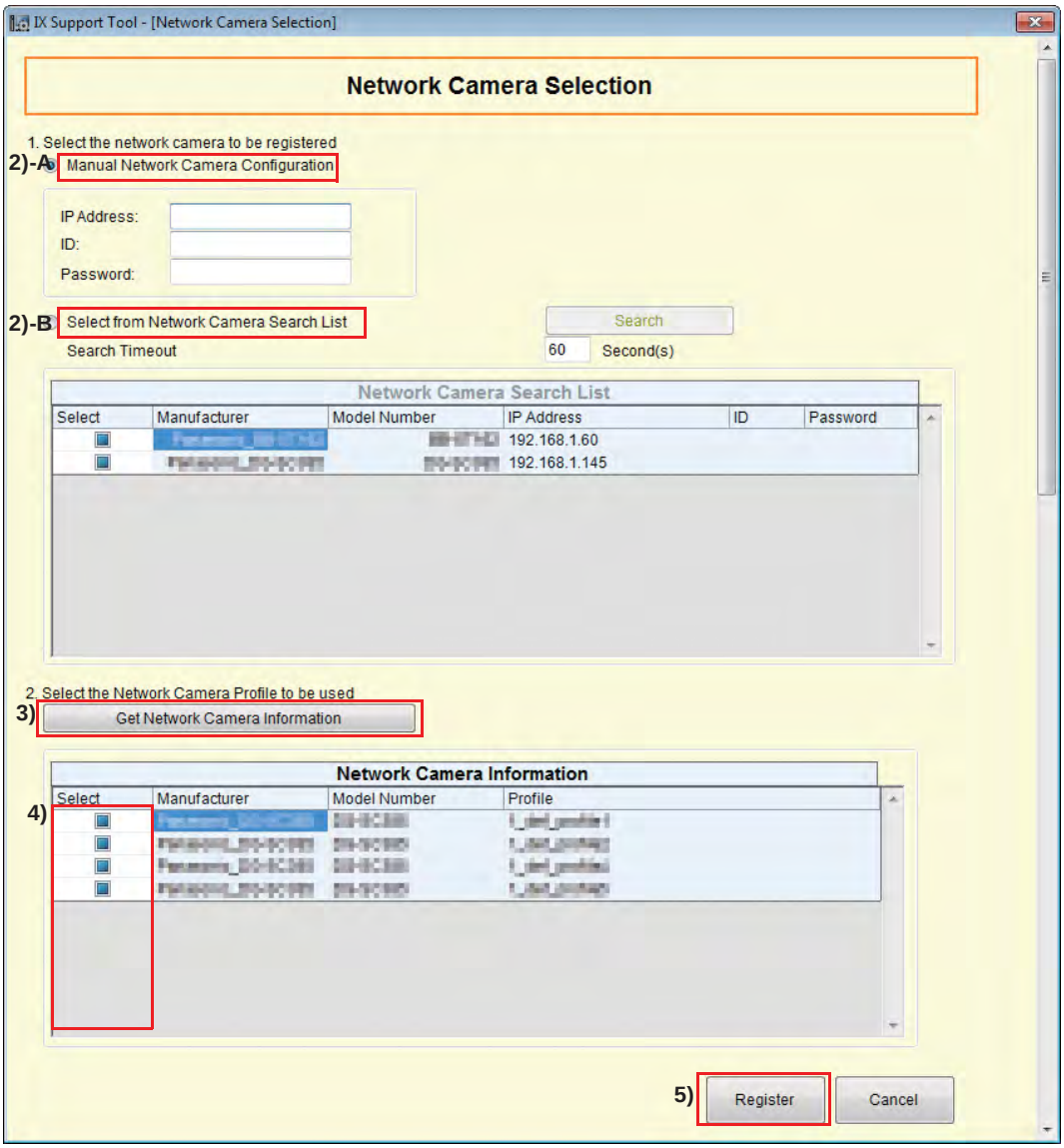
Description	Set the IPv4 address of the network camera.
Settings	1.0.0.0-223.255.255.255
Default values	-

■ IP Address (IPv6)

Description	Set the IPv6 address of the network camera.
Settings	::FF:0-FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	-

Point

Network camera name (furigana) is only accessible when using Japanese or Chinese language.



1) Click Add Camera to search a network camera. (Searching may take several minutes.)
When searching is done, the network cameras connected in the network will be shown in the "Network Camera Search List."

2) Choose method A or B for specifying the network camera:
A: When specifying the IP address directly
(For the multicast-incompatible network, use this search method.)
Check "Manual Network Camera Configuration," and enter "IP Address," "ID," and "Password."
B: When searching in the Network Camera Search List
Check "Select from Network Camera Search List," choose the network camera to register in "Network Camera Search List," and enter "ID" and "Password."
To search again, click Search.

3) Click Get Network Camera Information.
(Obtaining the video profile may take several minutes.)
When video profiles are successfully obtained, they will be shown in "Network Camera Information."

4) Choose the video profile to be registered from the list.

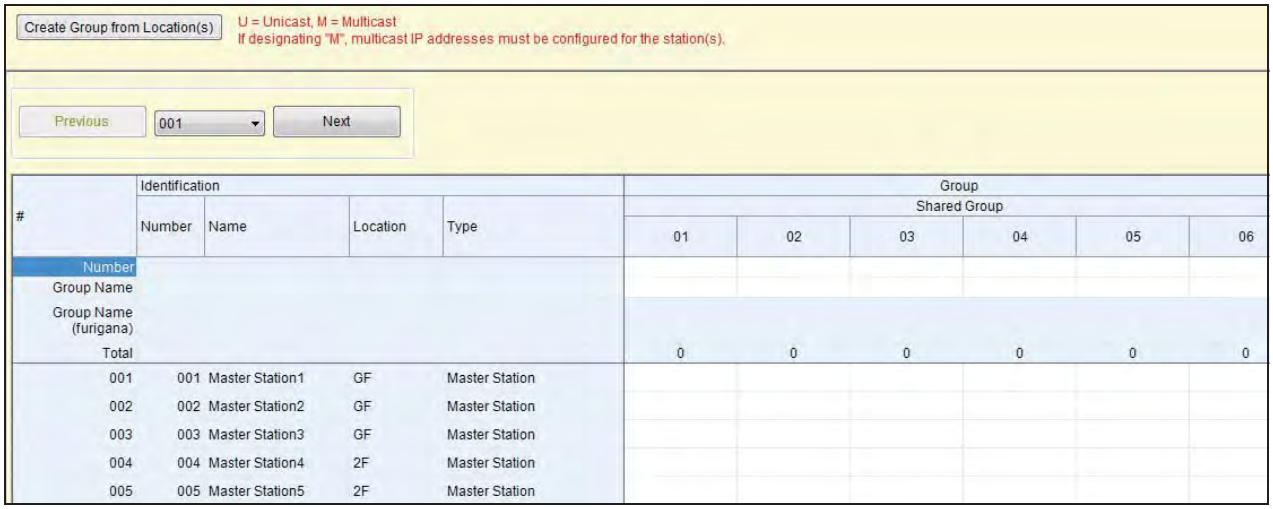
5) Click Register to register a network camera.

6) When done, click Update.

7) Click OK.

3.3. Group

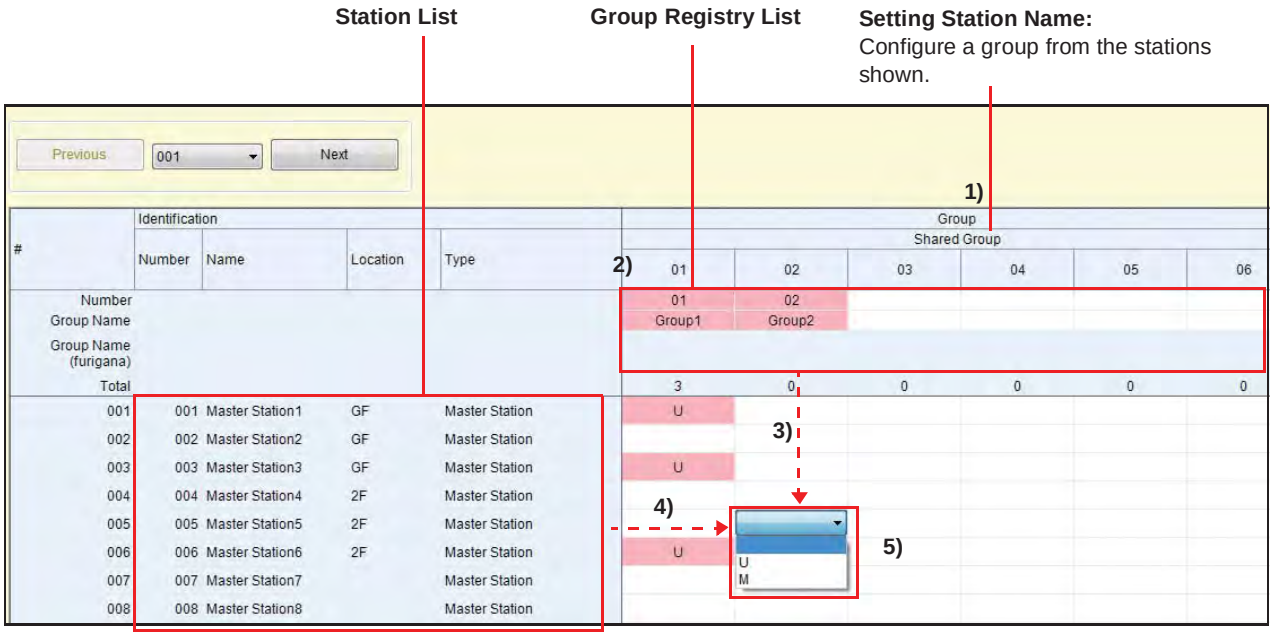
Configure the group in the Master Station. Up to 50 groups can be registered in each station. Select a group registered in the Address Book.



3.3.1. Configuring a Group

■ Shared Group Settings

A group registered in the shared group settings will be applied to all Master Stations.



1) Verify that the "Shared Group" table is shown.
If "Shared Group" is not visible, scroll the screen all the way to the left.

2) Enter the "Number" and "Group Name" of the group to be set up in the Group Registry.
Number: 01 through 99 (2 digits)
Group Name: 1-24 alphanumeric characters

3) Identify the group to be configured in "Group Registry List" section (01 through 50).

4) Identify the stations to be registered to the group in "Station List."

5) Click the cells that correspond to **3)** and **4)**. As the pull-down menu appears, choose blank, "U," or "M."
Blank: Station will not be registered in the group.
U: Station will be registered in the group. When the group is paged, audio is transmitted as unicast.
M: Station will be registered in the group. When the group is paged, audio is transmitted as multicast.

6) When done, click Update.

- When clicking Update, the data entered in the shared group will be registered to each Master Station, and will be removed from the Shared Group section.

7) Click OK.

Point

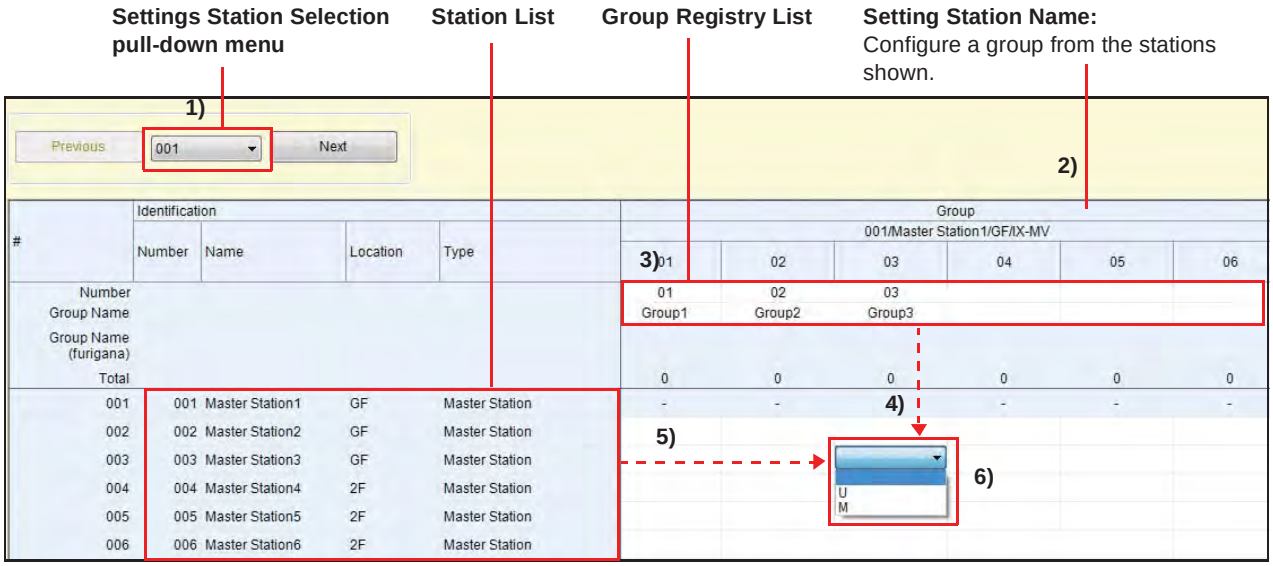
- No group is registered in the default settings.
- Register up to 50 groups for each Master Station.
- When choosing "M," configure "2.4. Multicast Address (Master Station and Video Door Station only)" ➤ P.122.
- Group Name (furigana) is only accessible when using Japanese or Chinese language.

Important

"Shared Group" registration should be completed prior to individual Master Station group registration. If a "Shared Group" is configured using the same group number as a Master Station individual group, the individual group setting will be overwritten.

■ Individual Settings

Configure the group to be registered in each station.



1) Select the station number to be configured from Settings Station Selection pull-down menu.

2) Scroll to the right using the scroll bar at the bottom of the screen to show the settings station to be configured.

3) Enter the "Number" and "Group Name" of the group to be set in the Group Registry.
Number: 01 through 99 (2 digits)
Group Name: 1-24 alphanumeric characters

4) Identify the group to be configured in "Group Registry List" section (01 through 50).

5) Identify the stations to be registered to the group in "Station List."

6) Click the cells that correspond to **4)** and **5)**. As the pull-down menu appears, choose blank, "U," or "M."
U: Station will be registered in the group. When the group is paged, audio is transmitted as unicast.
M: Station will be registered in the group. When the group is paged, audio is transmitted as multicast.

7) When done, click Update.

8) Click OK.

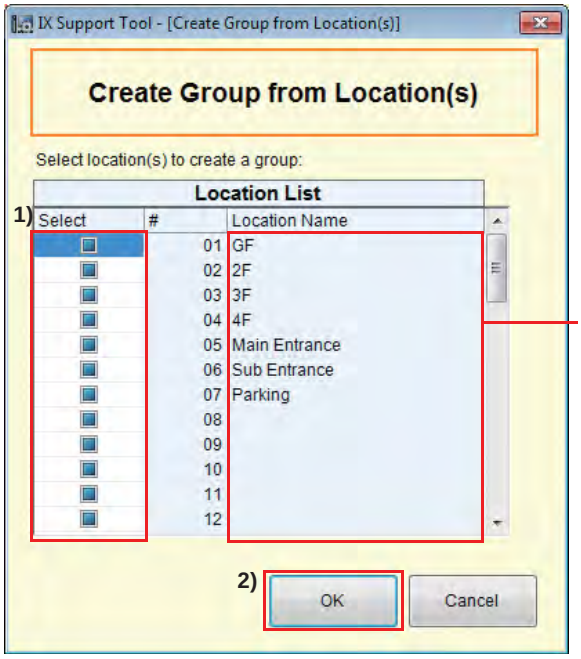
Point

- No group is registered in the default settings.
- The station preceding and following the station selected will be shown.
  For example, if "003" is selected, "002," "003," and "004" are all shown.
- Register up to 50 Groups for each Master Station.
- When choosing "M," configure "2.4. Multicast Address (Master Station and Video Door Station only)" ➤ P.122.
- Group Name (furigana) is only accessible when using Japanese or Chinese language.

■ Create Group from Location(s)

Create a group with the stations configured for an identical location.

Click Create Group from Location(s), the following window will be shown.



The locations registered in "1.1.2. Location Registry" ➤ P.111 will be shown.

1) Check ☐ of the location for which a group is to be created.

2) Click OK.
Stations belonging to the selected location will be registered in the "Shared Group" section.

- For further steps, refer to "■Shared Group Settings" ➤ P.142.

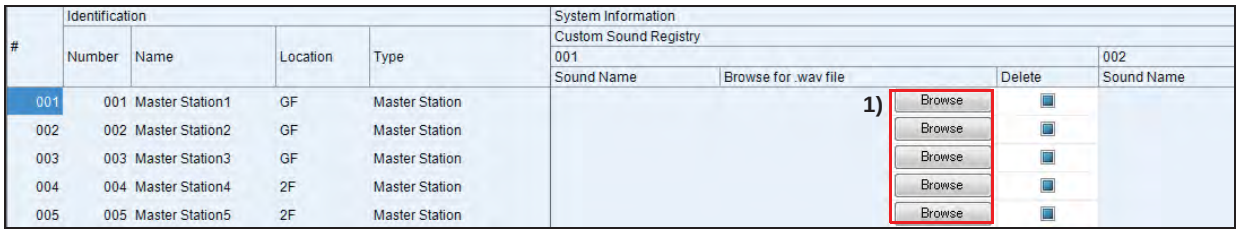
3.4. Custom Sound Registry

Register the audio files to be used for a ringtone.

For each station, up to 100 files can be registered (total length of within approximately 200 seconds).

Supported file format

- File format: .wav
- Audio sample size: 16 bits
- Audio sample rate: 8 kHz
- Number of channels: One (monaural)



How to register an audio file

1) Click Browse at the end of the row for the station for which the file is to be registered.

2) Select the audio file to register, and click Open.

3) The file name of the selected file will be shown in "Sound Name."
The name of the sound will be shown when configuring a ringtone.

4) When done, click Update.

5) Click OK.

Point

- When using a file for ringback tone, ringtone, or network camera event tone, add a period of silence in the .wav file if the tone is to be intermittent.
- To delete a registered audio file, check the file and click Update and upload setting file to station.
- A DVD-ROM with sample files is included in the package of the Master Station.

4. Contact / Audio Output Settings

4.1. Contact Input

Configure the settings for Contact Input of each station.

#	Station Information				Contact / Audio Output Settings		
	Identification				Contact Input		
					Contact Input Specifications		
	Number	Name	Location	Type	Type	Detection time [msec]	Usage
001	001	Master Station1	GF	Master Station	Make	200	
002	002	Master Station2	GF	Master Station	Make	200	
003	003	Master Station3	GF	Master Station	Make	200	
004	004	Master Station4	2F	Master Station	Make	200	
005	005	Master Station5	2F	Master Station	Make	200	

4.1.1. Contact Input Specifications

■ Type

Description	Set the type of contact Input for each station.
Settings	• Make (N/O) • Break (N/C)
Default values	Make

■ Detection time [msec] ♦

Description	Set the detection time of contact input for each station.
Settings	200-2000 msec (by 100 msec)
Default values	200 msec

■ Usage

Description	Set the usage of contact input for each station.
Settings	• Blank: Not used • Call: A call will be originated when a contact input is triggered.
Default values	Blank
Remarks	When set to "Call," configure "6.2. Contact Input Call" ➤ P.165.

4.2. Output Specifications

Configure the settings for output specifications of each station.

#	Station Information				Contact / Audio Output Settings			
	Identification				Output Specifications			
					Relay Output Specifications			
	Number	Name	Location	Type	Output Time [msec / sec]			Usage
					Range	200-2000 msec	3-300 sec	
001	001	Master Station1	GF	Master Station	200-2000 msec	400		Door Release
002	002	Master Station2	GF	Master Station	200-2000 msec	400		Door Release
003	003	Master Station3	GF	Master Station	200-2000 msec	400		Door Release
004	004	Master Station4	2F	Master Station	200-2000 msec	400		Door Release
005	005	Master Station5	2F	Master Station	200-2000 msec	400		Door Release

4.2.1. Relay Output Specifications

■ Output Time [msec / sec] ♦

Description	Set the output time of the relay output for each station. The entry is identical to "■Output Time [msec / sec] ♦" ➤ P.160. When the setting is changed, "■Output Time [msec / sec] ♦" ➤ P.160 will be changed as well.
Settings	• 0 (Momentary): Delivers output while Master Station presses "Door Release" button. • 200-2000 msec (by 200 msec) • 3-300 sec (by 1 sec)
Default values	200-2000 msec, 400 msec

■ Usage

Description	Set the usage of relay output for each station. The entry is identical to "■Usage" ➤ P.160. When the setting is changed, "■Usage" ➤ P.160 will be changed as well.
Settings	• Blank: Not used • Door Release: Output to release the door. • Paging Control (Door Station only): ~~Output while paging.~~ Regardless of "■Output time" setting, the output is active for the duration of paging audio. • Contact Input Call / Communication State (Door Station only): Delivers output during a call or communication triggered by the contact input.
Default values	Blank

Point

If "New System" is chosen from "Login and registration of the station," the settings for "■Usage" will be "Door Release" when "Automatically configure door release for all stations?" is enabled.

4.2.2. Audio Output Specifications (Door Station only)

■ Audio Output

Description	Set how audio is to be delivered. The entry is identical to "■Paging Audio Output (same as Contact / Audio Output Settings)" ➤ **P.173**. When the setting is changed, "■Paging Audio Output (same as Contact / Audio Output Settings)" ➤ **P.173** will be changed as well.
Settings	• Built-in Speaker for communication and paging • Audio Output for communication and paging • Built-in Speaker for communication, Audio Output for paging
Default values	Built-in Speaker for communication and paging

5. Call Settings

5.1. Called Stations (for Master Station)

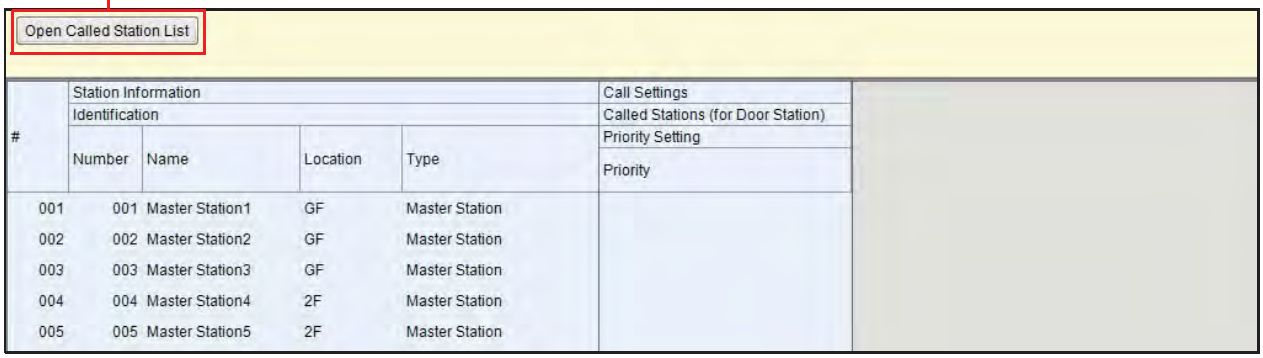
A call destination does not have to be set up. Any station registered in the Address Book can be called.

Call Destination Settings are unnecessary; Master Station can call any station in Address Book.

5.2. Called Stations (for Door Station)

Configure the settings for call destination of Door Station.

"5.2.2. Called Station List" ➤ P.151



5.2.1. Priority Setting

■ Priority

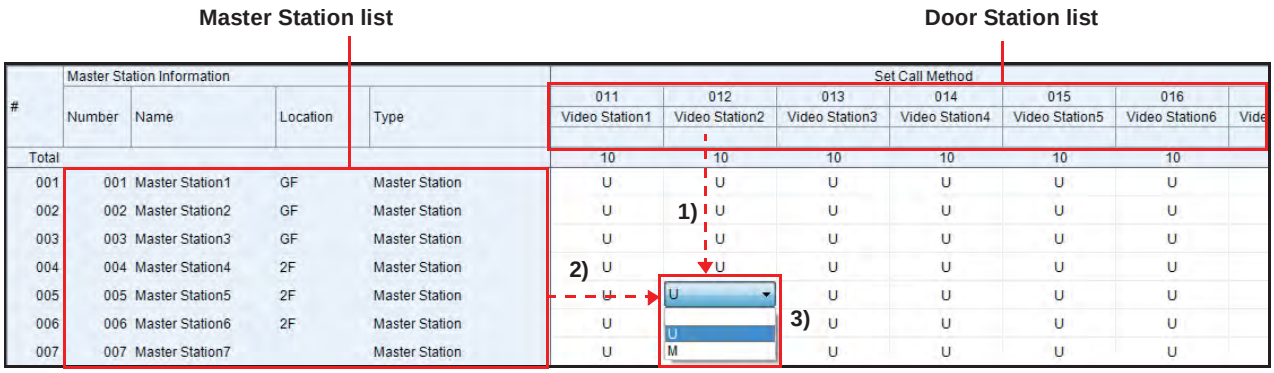
Description	Set the priority of a call when Call button is pressed.
Settings	• Normal • Priority • Urgent
Default values	Normal

5.2.2. Called Station List

Configure the stations to be called from the Door Stations.

Select up to 20 Master Stations registered in the system.

Click Open Called Station List, the following window will be shown.



How to select Call Destination

Register the Master Stations in the Master Station list for the call destination for each Door Station in the Door Station list.

1) Identify the Door Station to be configured using "Door Station list."

2) Identify the Master Station to be registered using "Master Station list."

3) Click the cells that correspond to **1)** and **2)**. As the pull-down menu appears, choose blank, "U," or "M."
Blank: The selected station will not be registered.
U: The station will be registered in the call destination. An outgoing call is transmitted as unicast.
M: Station will be registered in the call destination. Video is transmitted as multicast for an outgoing call. (Video Door Station only)

4) When done, click Update.

5) Click OK.

Point

"U" (Unicast) is the default setting.

5.3. Call Origination (Door Station only)

Configure the settings for an outgoing call.

#	Station Information				Call Settings			
	Identification				Call Origination			
	Number	Name	Location	Type	Call Acknowledged Settings			
					Ringback Tone	Call Timeout [sec]		Ringback Tone Count [time(s)]
						Range	10-600 sec	
001	001	Master Station1	GF	Master Station				
002	002	Master Station2	GF	Master Station				
003	003	Master Station3	GF	Master Station				
004	004	Master Station4	2F	Master Station				
005	005	Master Station5	2F	Master Station				

5.3.1. Call Acknowledged Settings

■ Ringback Tone

Description	Select the ringback tone (tone heard at calling station when a call is placed).
Settings	• Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.146
Default values	Call pattern 1

■ Call Timeout [sec] ♦

Description	Set the call timer for an outgoing call.
Settings	• Infinite: Ringing continues until the recipient responds • 10-600 sec (by 1 sec)
Default values	10-600 sec, 60 sec

■ Ringback Tone Count [time(s)]

Description	Set the count of ringback tone.
Settings	• Infinite: Ringback tone continues until the recipient responds • 1-20 times
Default values	Infinite

■ Busy tone

Description	Select the tone that will be heard at the calling station when the called station is busy.
Settings	• Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.146
Default values	Busy tone

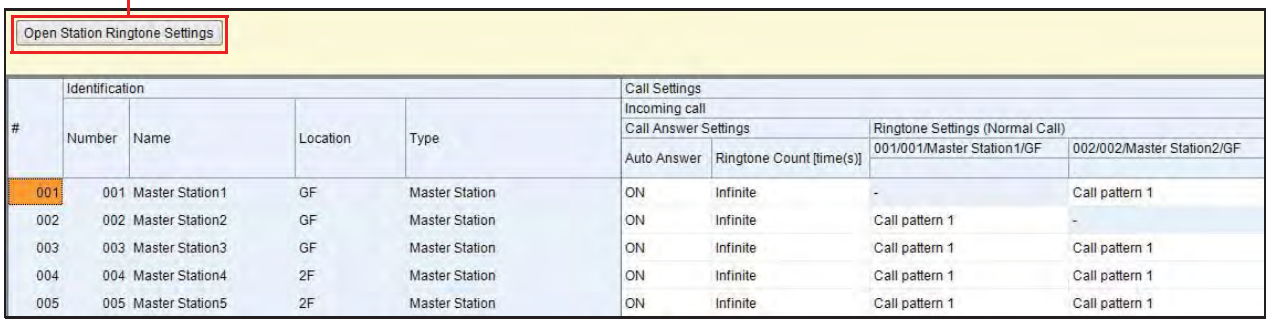
■ Error Tone (Call failed)

Description	Select the tone that will be heard when a call fails.
Settings	• Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.146
Default values	Error sound

5.4. Incoming call

Configure the settings for an incoming call.

"5.4.3. Station Ringtone Settings" ➤ P.156



#	Identification				Call Settings			
					Incoming call			
					Call Answer Settings		Ringtone Settings (Normal Call)	
	Number	Name	Location	Type	Auto Answer	Ringtone Count [time(s)]	001/001/Master Station1/GF	002/002/Master Station2/GF
001	001	Master Station1	GF	Master Station	ON	Infinite	-	Call pattern 1
002	002	Master Station2	GF	Master Station	ON	Infinite	Call pattern 1	-
003	003	Master Station3	GF	Master Station	ON	Infinite	Call pattern 1	Call pattern 1
004	004	Master Station4	2F	Master Station	ON	Infinite	Call pattern 1	Call pattern 1
005	005	Master Station5	2F	Master Station	ON	Infinite	Call pattern 1	Call pattern 1

5.4.1. Call Answer Settings (Master Station only)

■ Auto Answer

Description	Set auto answer feature for an incoming individual call. Auto answer: When a call comes in, it is automatically connected.
Settings	• ON • OFF
Default values	OFF

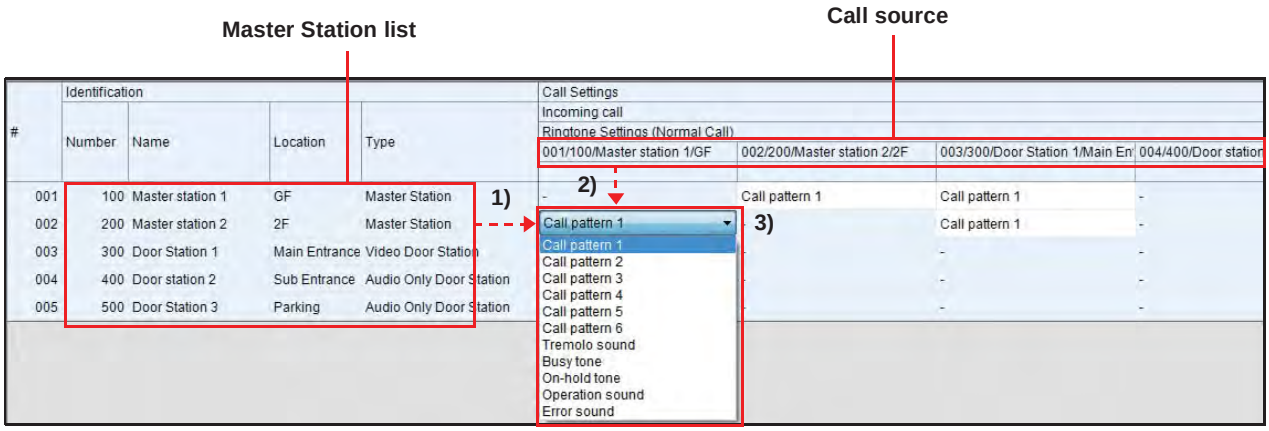
■ Ringback Tone Count [time(s)]

Description	Set the ringtone count for an incoming call.
Settings	• Infinite: ringtone continues until the recipient responds or the call ends. • 1-20 times
Default values	Infinite

5.4.2. Ringtone Settings (Normal Call) (Master Station only)

Set the ringtone for an incoming call.

Set a different ringtone for each source.



How to configure the ringtone

1) Identify the Master Station to be configured using "Master Station list."

2) Identify the station to be registered in "Call source."

3) Click the cells that correspond to **1)** and **2)**. As the pull-down menu appears, choose a ringtone.
Call Patterns 1 through 6, Tremolo sound, Busy tone, On-hold tone, Operation sound, Error sound, and Sound registered in "3.4. Custom Sound Registry" ➤ P.146

4) When done, click Update.

5) Click OK.

Point

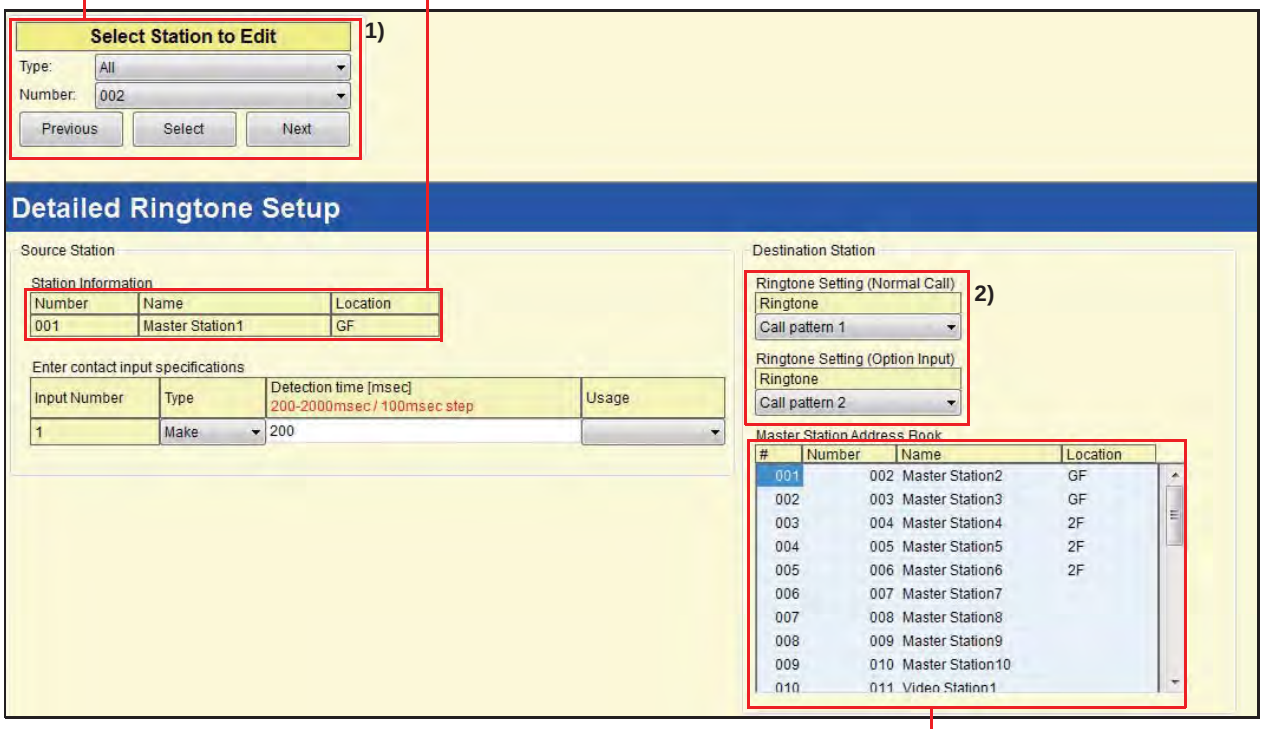
"Call Pattern 1" is the default setting.

5.4.3. Station Ringtone Settings

Assign the ringtone to the stations in the Address Book or Door Station call destination in a batch.

Assign the ringtone to all the stations (Master Stations) registered in the Address Book of the calling station or in the call destination of the station.

Click Open Station Ringtone Settings, the following window will be shown.



How to configure

1) Select the station number of the station to be edited from "Type" and "Number," and click Select.

- Previous: Selects the previous station number.
- Next: Selects the next station number.

2) Configure the settings for the ringtone.

- Ringtone Settings (Normal Call): The settings configured in "5.4.2. Ringtone Settings (Normal Call) (Master Station only)" ➤ **P.155** will be shown. When the setting is changed, the settings in "5.4.2. Ringtone Settings (Normal Call) (Master Station only)" ➤ **P.155** will be changed as well.
- Ringtone Settings (Option Input): The settings configured in "6.2.4. Ringtone Settings (Option Input) (Master Station only)" ➤ **P.168** will be shown. When the setting is changed, the settings in "6.2.4. Ringtone Settings (Option Input) (Master Station only)" ➤ **P.168** will be changed as well.

3) When done, click Update.

4) Click OK.

Point

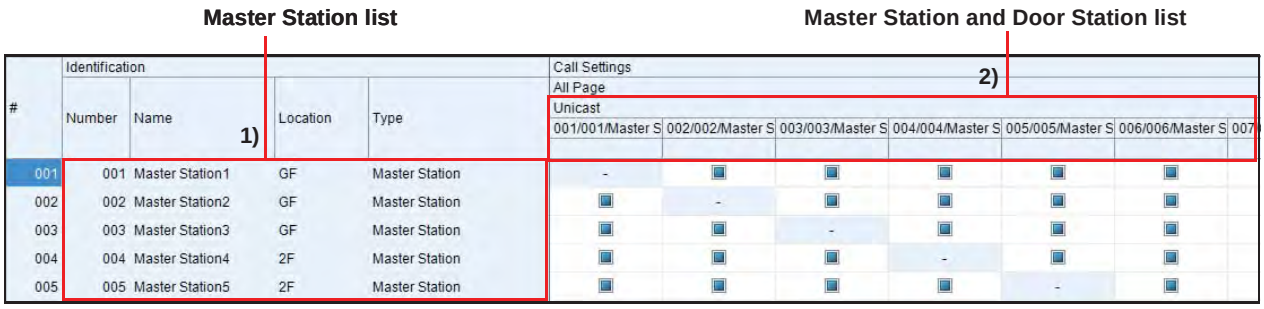
The settings configured in "4.1.1. Contact Input Specifications" ➤ **P.147** will be shown in "Enter contact input specifications." When the setting is changed, the settings in "4.1.1. Contact Input Specifications" ➤ **P.147** will be changed as well.

5.5. All Page

When paging all stations, the default setting is multicast. When unicast is required, configure the following settings.

Unicast can transmit up to 50 stations.

- When paging stations in multicast, configure "2.4. Multicast Address (Master Station and Video Door Station only)" ➤ P.122.



#	Identification				Call Settings						
					All Page						
	Number	Name	Location	Type	Unicast						
					001/001/Master S	002/002/Master S	003/003/Master S	004/004/Master S	005/005/Master S	006/006/Master S	007
001	001	Master Station1	GF	Master Station	-	☐	☐	☐	☐	☐	
002	002	Master Station2	GF	Master Station	☐	-	☐	☐	☐	☐	
003	003	Master Station3	GF	Master Station	☐	☐	-	☐	☐	☐	
004	004	Master Station4	2F	Master Station	☐	☐	☐	-	☐	☐	
005	005	Master Station5	2F	Master Station	☐	☐	☐	☐	-	☐	

How to configure

1) Identify the Master Station to be configured using "Master Station list."

2) Identify the station(s) to transmit unicast using "Master Station and Door Station list."

3) For the cells corresponding to **1)** and **2)**, check ☐.

- Checked ☑: Unicast transmission
- Unchecked ☐: Multicast transmission

4) When done, click Update.

5) Click OK.

Point

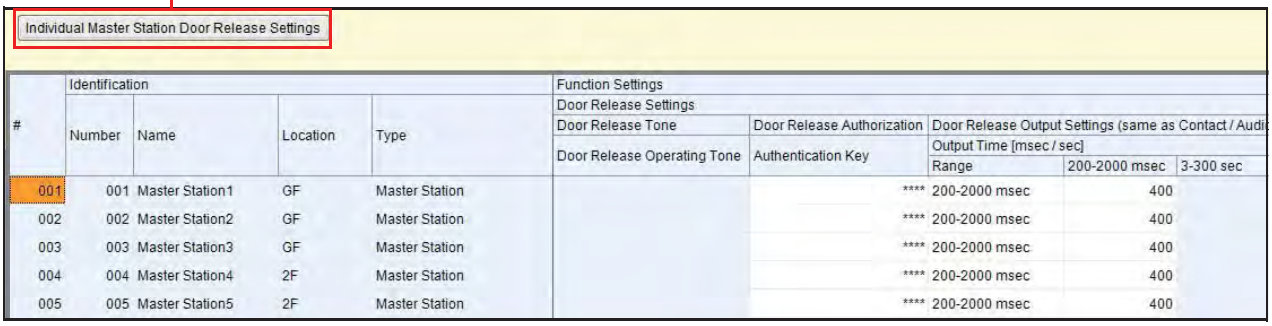
☐ (multicast) is the default setting.

6. Function Settings

6.1. Door Release Settings

Configure the Door Release Settings.

"6.1.5. Individual Master Station Door Release Settings (Master Station only)" ➤ P.162



#	Identification				Function Settings				
					Door Release Settings				
					Door Release Tone	Door Release Authorization	Door Release Output Settings (same as Contact / Audi		
	Number	Name	Location	Type	Door Release Operating Tone	Authentication Key	Output Time [msec / sec]		
							Range	200-2000 msec	3-300 sec
001	001	Master Station1	GF	Master Station		****	200-2000 msec	400	
002	002	Master Station2	GF	Master Station		****	200-2000 msec	400	
003	003	Master Station3	GF	Master Station		****	200-2000 msec	400	
004	004	Master Station4	2F	Master Station		****	200-2000 msec	400	
005	005	Master Station5	2F	Master Station		****	200-2000 msec	400	

6.1.1. Door Release Tone (Door Station only)

■ Door Release Operating Tone

Description	Set the tone which comes out of the station when the door is released.
Settings	• None • Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.146
Default values	Operation sound

6.1.2. Door Release Authorization

■ Authentication Key

Description	Set the authentication key to authenticate the release of the door. Authentication key: When this matches the key of the station, the release will be permitted.
Settings	1-4 digits
Default values	-

Point

"■Authentication Key" will be displayed as "****" on the screen.

6.1.3. Door Release Output Settings (same as Contact / Audio Output Settings)

■ Output Time [msec / sec] ♦

Description	Set the output time of the relay output for each station. The entry is identical to "■Output Time [msec / sec] ♦" ➤ P.148. When the setting is changed, "■Output Time [msec / sec] ♦" ➤ P.148 will be changed as well.
Settings	• 0 (Momentary): Delivers output while Master Station presses "Door Release" button. • 200-2000 msec (by 200 msec) • 3-300 sec (by 1 sec)
Default values	200-2000 msec, 400 msec

■ Usage

Description	Set the usage of relay output for each station. The entry is identical to "■Usage" ➤ P.148. When the setting is changed, "■Usage" ➤ P.148 will be changed as well.
Settings	• Blank: Not used • Door Release: Output to release the door. • Paging control (Door Station only): Output while paging. Regardless of "■Output time" setting, the output is active for the duration of paging audio. • Contact Input Call / Communication State (Door Station only): Delivers output during a call or communication triggered by the contact input.
Default values	Blank

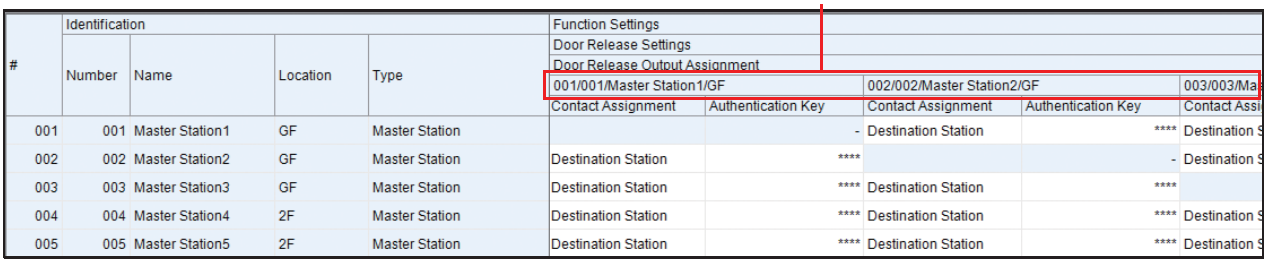
Point

If "New System" is chosen from "Login and registration of the station," the settings for "■Usage" will be "Door Release" when "Automatically configure door release for all stations?" is enabled.

6.1.4. Door Release Output Assignment

Configure the connected station and the Authentication Key to release the door during a call.

Destination Station:
Serial Number, Station Number, Station Name



#	Identification				Function Settings				
					Door Release Settings				
					Door Release Output Assignment				
	Number	Name	Location	Type	001/001/Master Station1/GF		002/002/Master Station2/GF		003/003/Ma
					Contact Assignment	Authentication Key	Contact Assignment	Authentication Key	Contact Assi
001	001	Master Station1	GF	Master Station		-	Destination Station	****	Destination S
002	002	Master Station2	GF	Master Station	Destination Station	****		-	Destination S
003	003	Master Station3	GF	Master Station	Destination Station	****	Destination Station	****	
004	004	Master Station4	2F	Master Station	Destination Station	****	Destination Station	****	Destination S
005	005	Master Station5	2F	Master Station	Destination Station	****	Destination Station	****	Destination S

■ Contact Assignment

Description	Set which door is to be released for an outgoing or incoming call or during monitoring for each station.
Settings	• Originating Station: Door connected to the originating station is released. • Destination Station: Door connected to the destination station is released.
Default values	Destination Station

■ Authentication Key

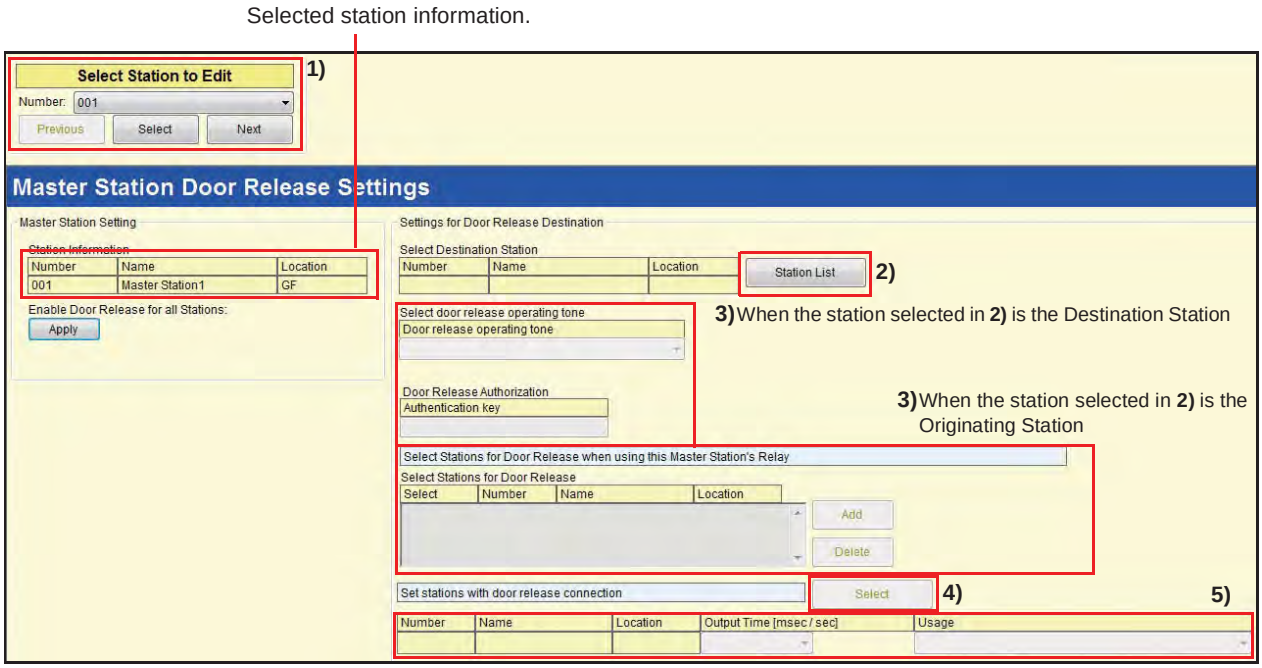
Description	When "Destination Station" is chosen in "■Contact Assignment," set the authentication key to be used when releasing the door. This should match the authentication key of the destination station.
Settings	1-4 digits
Default values	-

Point

- "Authentication Key" will be displayed as "****" on the screen.
- If "New System" is chosen from "Login and registration of the station," the settings for "■Authentication Key" will generate a random string of four letters and assign this when "Automatically configure door release for all stations?" is enabled.

6.1.5. Individual Master Station Door Release Settings (Master Station only)

Click Individual Master Station Door Release Settings, the following window will be shown.

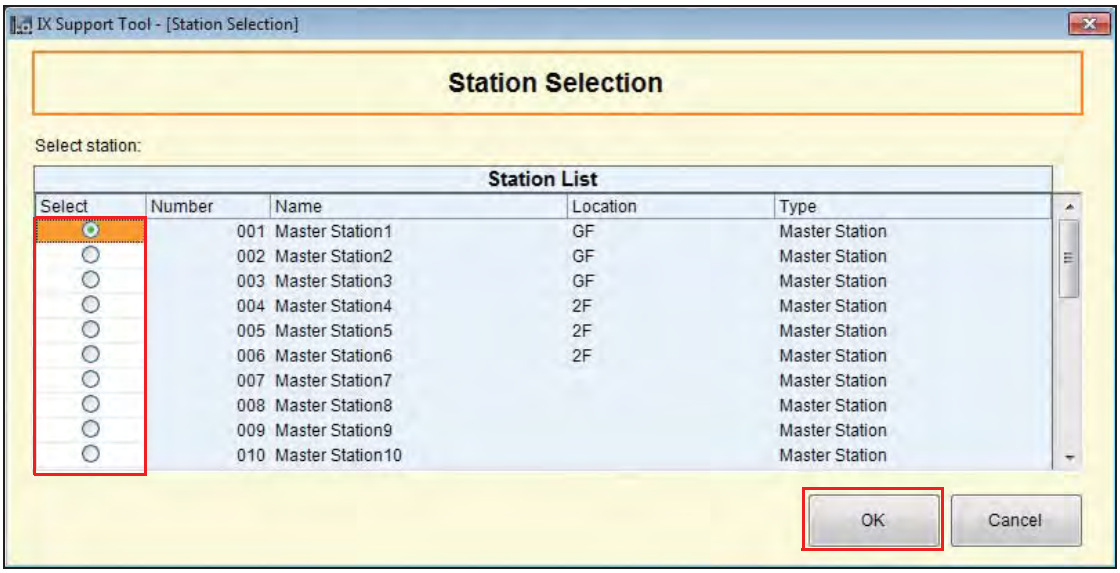


How to configure

1) Select the station number (Master Station only) of the station to be edited, and click Select.

- Previous: Selects the previous station number.
- Next: Selects the next station number.

2) Click Station List, the following window will be shown. Select the destination station to be released when the station selected in **1)** operates the door release, and click OK.



When the station selected is the destination station

3) Only the door release operating tone will be set up. (If the selected station is Master Station, only "None")
The settings configured in "■Door Release Operating Tone" ➤ **P.159** will be shown.
Choose the door release operating tone in the pull-down menu, and change the setting.

- When the setting is changed, the settings configured in "■Door Release Operating Tone" ➤ **P.159** will be changed as well.

Configure the authentication key.
The settings configured in "■Authentication Key" ➤ **P.160** will be shown. Enter the authentication key and change the setting. The configured authentication key will be copied to the key.

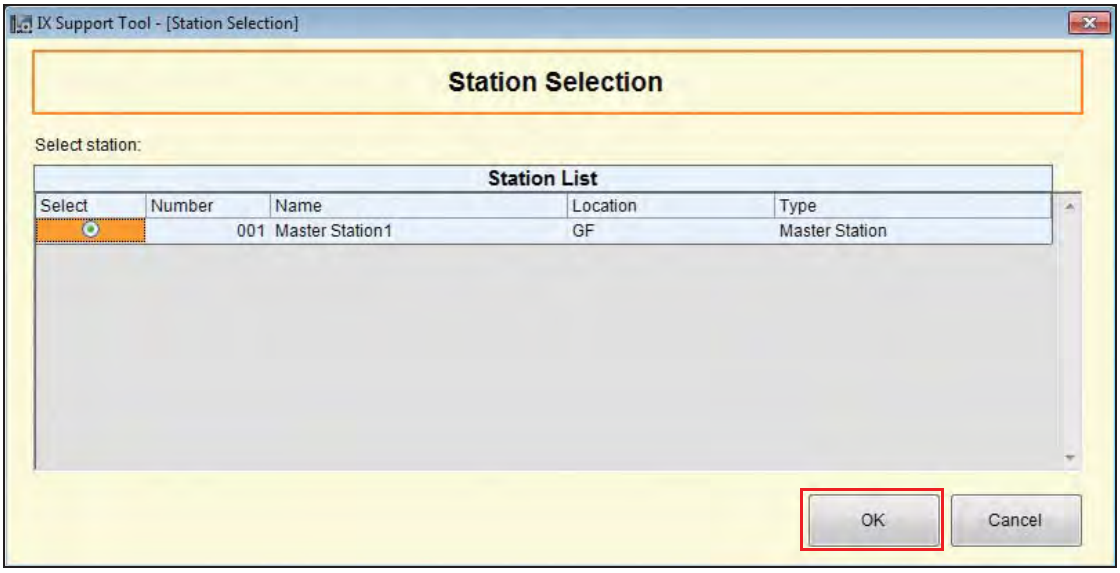
- When the setting is changed, the settings configured in "■Authentication Key" ➤ **P.160** will be changed as well.

When the station selected is the originating sation

3) Select the destination station when the door connected to the originating station is to be released.

4) Change the door release output specification of the station connected in the door release settings.

Click Station List then OK, the settings configured in "6.1.3. Door Release Output Settings (same as Contact / Audio Output Settings)" ➤ **P.160** will be shown.

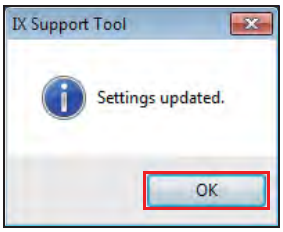


5) Change the door release output specification.

- When the setting is changed, the settings configured in "6.1.3. Door Release Output Settings (same as Contact / Audio Output Settings)" ➤ **P.160** will be changed as well.

6) When done, click Update.

7) Click OK.



Point

Click Apply, to choose the "Destination Station" for " Contact Assignment" of the station being edited and copy the authentication keys for all other stations to allow for release of all stations. The key cannot be copied to a station whose authentication key is empty.

6.2. Contact Input Call

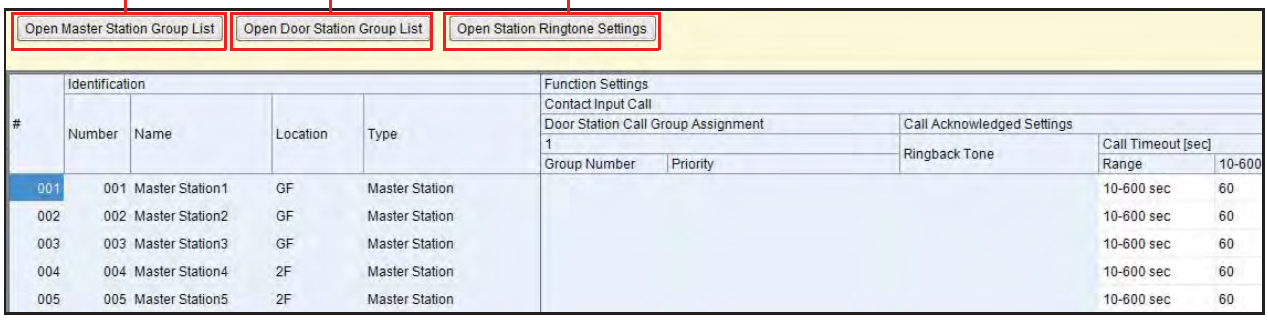
Configure the settings for a call when a Contact Input Call is made.

When choosing "Call," configure "■Usage" ➤ P.147.

"6.2.5. Master Station Group List (Master Station only)" ➤ P.168

"6.2.6. Door Station Group List (Door Station only)" ➤ P.169

"6.2.7. Station Ringtone Settings" ➤ P.172



#	Identification				Function Settings				
					Contact Input Call				
					Door Station Call Group Assignment		Call Acknowledged Settings		
					1			Call Timeout [sec]	
	Number	Name	Location	Type	Group Number	Priority	Ringback Tone	Range	10-600
001	001	Master Station1	GF	Master Station				10-600 sec	60
002	002	Master Station2	GF	Master Station				10-600 sec	60
003	003	Master Station3	GF	Master Station				10-600 sec	60
004	004	Master Station4	2F	Master Station				10-600 sec	60
005	005	Master Station5	2F	Master Station				10-600 sec	60

6.2.1. Door Station Call Group Assignment (Door Station only)

■ 1 - Group Number

Description	Set the group to be called when a contact input is triggered on the Door Stations. Create a group in "6.2.6. Door Station Group List (Door Station only)" ➤ P.169.
Settings	01-09
Default values	01

■ 1 - Priority

Description	Set the priority of the call when a contact input is triggered on the Door Stations.
Settings	• Normal • Priority • Urgent
Default values	Normal

6.2.2. Call Acknowledged Settings

■ Ringback Tone (Door Station only)

Description	Select the Ringback tone when a contact input is triggered on the Door Stations.
Settings	• Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.146
Default values	Call pattern 2

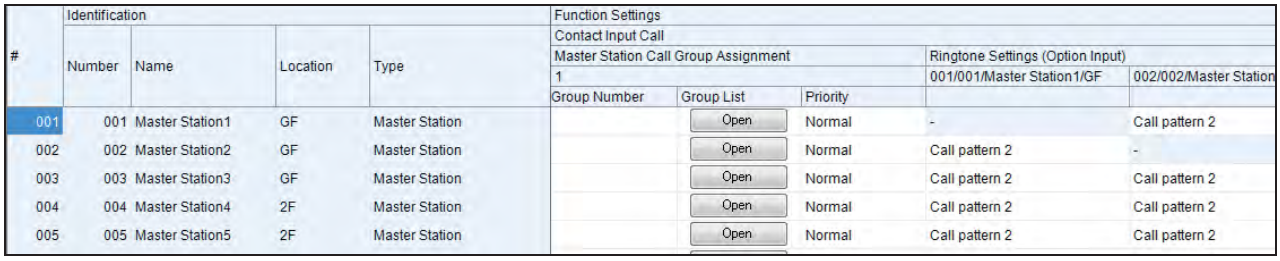
■ Call Timeout [sec] ♦

Description	Set the call ring timer for a contact input call.
Settings	• Infinite: Ringing continues until the caller stops or the recipient responds. • 10-600 sec (by 1 sec)
Default values	60 sec

■ Ringback Tone Count [time(s)] (Door Station only)

Description	Set the count of ringback tone.
Settings	• Infinite: Ringing continues until the recipient responds • 1-20 times
Default values	Infinite

6.2.3. Master Station Call Group Assignment (Master Station only)



#	Identification				Function Settings				
					Contact Input Call				
	Number	Name	Location	Type	Master Station Call Group Assignment			Ringtone Settings (Option Input)	
					1			001/001/Master Station1/GF	002/002/Master Station
					Group Number	Group List	Priority		
001	001	Master Station1	GF	Master Station		Open	Normal	-	Call pattern 2
002	002	Master Station2	GF	Master Station		Open	Normal	Call pattern 2	-
003	003	Master Station3	GF	Master Station		Open	Normal	Call pattern 2	Call pattern 2
004	004	Master Station4	2F	Master Station		Open	Normal	Call pattern 2	Call pattern 2
005	005	Master Station5	2F	Master Station		Open	Normal	Call pattern 2	Call pattern 2

■ 1 - Group Number

Description	Set the group to be called when a contact input is triggered on the Master Station. Enter the group number directly, or click Open to choose a group. Create a group in "6.2.5. Master Station Group List (Master Station only)" ➤ P.168.
Settings	01-99
Default values	-

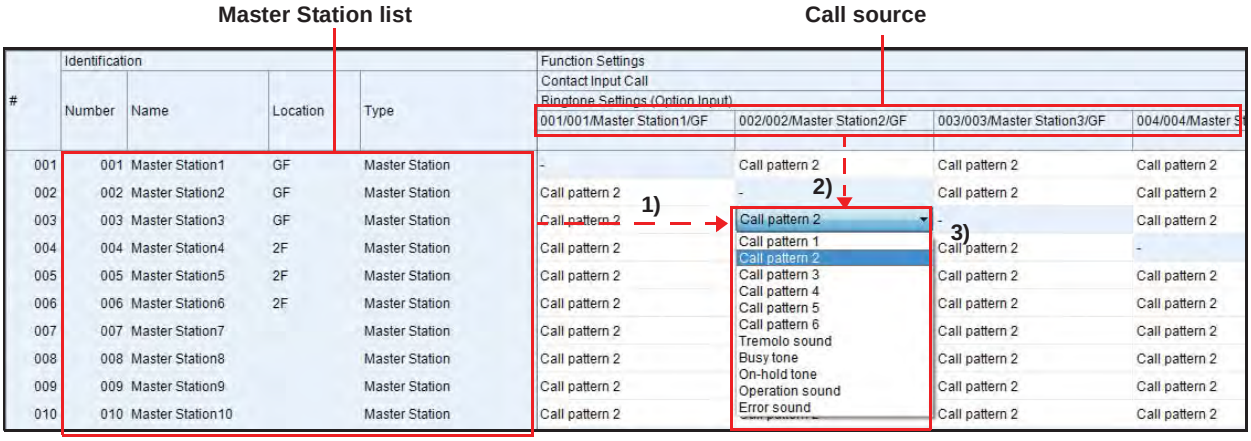
■ 1 - Priority

Description	Set the priority of the call when a contact input is triggered on the Master Station.
Settings	• Normal • Priority • Urgent
Default values	Normal

6.2.4. Ringtone Settings (Option Input) (Master Station only)

Select the ringtone for an incoming contact input call.

Set a different ringtone for each source.



How to configure the ringtone

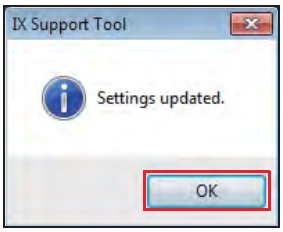
1) Identify the Master Station to be configured using "Master Station list."

2) Identify the station to be registered in "Call source."

3) Click the cells that correspond to **1)** and **2)**. As the pull-down menu appears, choose a ringtone.
Call Patterns 1 through 6, Tremolo sound, Busy tone, On-hold tone, Operation sound, Error sound, and Sound registered in "3.4. Custom Sound Registry" ➤ P.146

4) When done, click Update.

5) Click OK.



Point

"Call Pattern 2" is the default setting.

6.2.5. Master Station Group List (Master Station only)

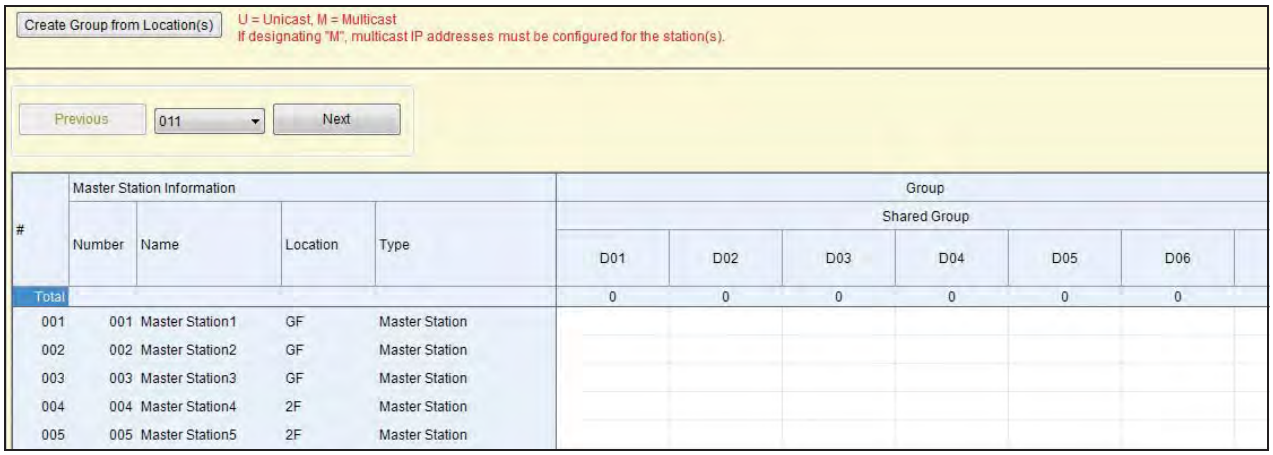
Click Open Master Station Group List, the screen will proceed to "3.3. Group."

Register a group referring to "3.3. Group" ➤ P.142.

6.2.6. Door Station Group List (Door Station only)

Configure the group to be called when a contact input is triggered on the Door Stations.

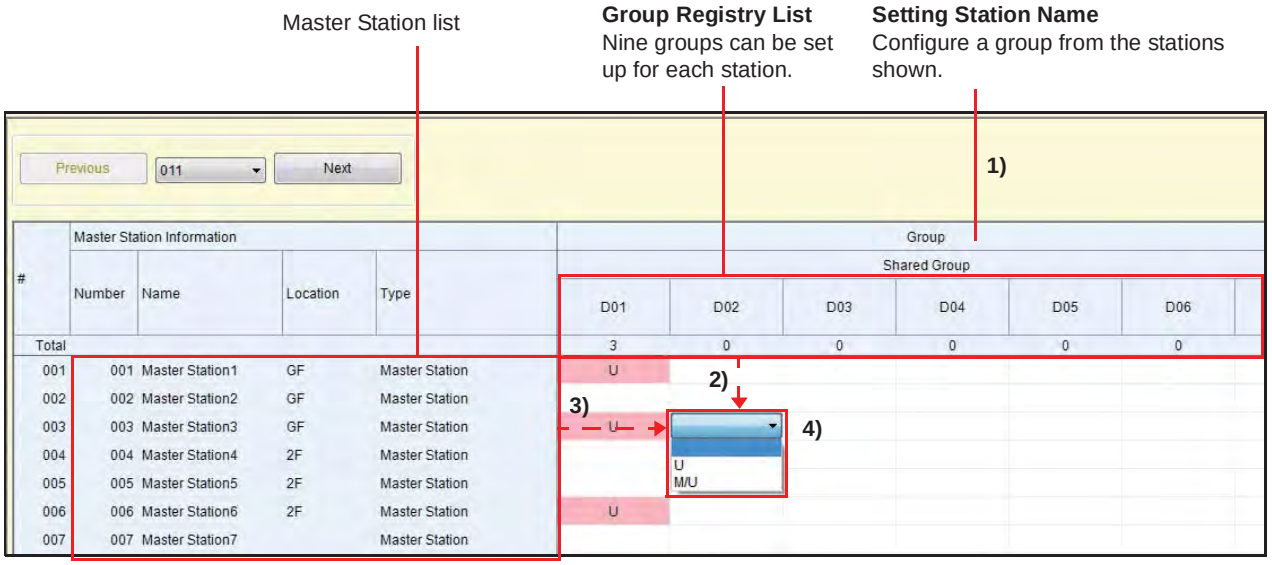
Click Open Door Station Group List, the following window will be shown.



■ How to create a Called Station Group

● Shared Called Group Settings

A group registered in the shared group settings will be applied to all Master Stations.



1) Verify that the "Shared Group" table is shown.
If "Shared Group" is not visible, scroll the screen all the way to the left.

2) Identify the called group to be configured in "Group Registry List."

3) Identify the station to be registered in the group in "Master Station list."

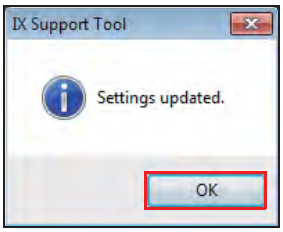
4) Click the cells that correspond to **2)** and **3)**. As the pull-down menu appears, choose blank, "U," or "M/U."

- Blank: The selected station will not be registered.
- U: Station will be registered in the group. A call is transmitted in unicast transmission.
- M/U: Station will be registered in the group. When called, Video Door Station is transmitted in multicast and Audio Only Door Station in unicast.

5) When done, click Update.

- When clicking Update, the data entered in the shared called group will be registered to each Master Station, and will be removed from the shared called group section.

6) Click OK.



Point

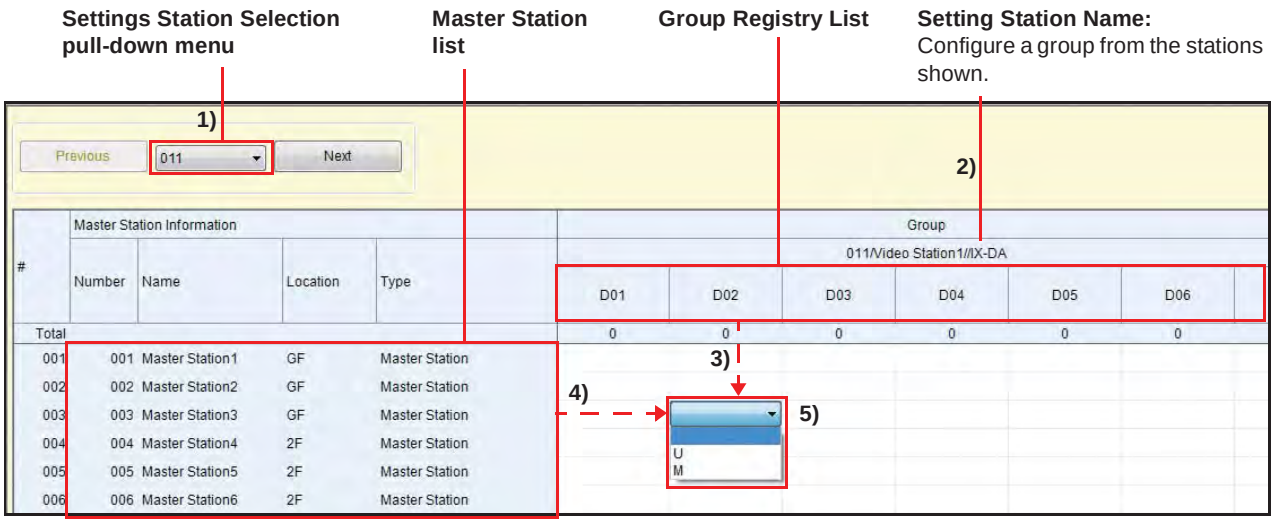
- No group is registered in the default settings.
- Register up to nine groups for each station. For each group, register up to 20 Master Stations.
- When choosing "M/U," configure "2.4. Multicast Address (Master Station and Video Door Station only)" ➤ **P.122**.

Important

"Shared Group" registration should be completed prior to individual Door Station group registration. If a "Shared Group" is configured using the same group number as a Door Station individual group, the individual group setting will be overwritten.

Individual Settings

Configure the group to be registered in each station.



1) Select the station number to be configured from Settings Station Selection pull-down menu.
- The station preceding and following the station selected will be shown.
  For example, if "003" is selected, "002," "003," and "004" groups are shown.

2) Scroll to the right using the scroll bar at the bottom of the screen to show the settings station to be configured.

3) Identify the group to be configured in "Group Registry List."

4) Identify the station to be registered in the group in "Master Station list."

5) Click the cells that correspond to **3)** and **4)**. As the pull-down menu appears, choose blank, "U," or "M."
- Blank: The selected station will not be registered.
- U: Station will be registered in the group. A call is transmitted as unicast.
- M: Station will be registered in the group. Video is transmitted as multicast. (Video Door Station only)

6) When done, click Update.

7) Click OK.

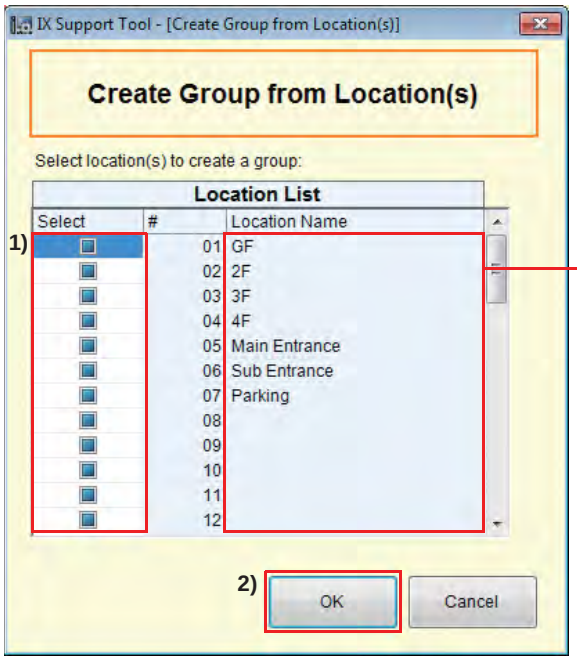
Point

- No group is registered in the default settings.
- Register up to nine groups for each station. For each group, register up to 20 Master Stations.
- When choosing "M," configure "Multicast Address" in "Network Settings."

■ Create Group from Location(s)

Create a group with the stations configured for an identical location.

Click [Create Group from Location(s)], the following window will be shown.



The locations registered in "1.1.2. Location Registry" ➤ **P.111** will be shown.

1) Check the check box of the location for which a group is to be created.

2) Click [OK].

- A group of the stations which belong to the selected location will be registered in the shared group with a serial number and smaller figures.
- For further steps, refer to "●Shared Called Group Settings" ➤ **P.169**.

6.2.7. Station Ringtone Settings

Click [Open Station Ringtone Settings], the screen will proceed to "5.4.3. Station Ringtone Settings" ➤ **P.156**.

Register a ringtone referring to "5.4.3. Station Ringtone Settings" ➤ **P.156**.

6.3. Paging Settings

Configure the settings for paging.

#	Station Information				Function Settings		
	Identification				Paging Settings		
	Number	Name	Location	Type	Paging Pretone Setting	Paging Time Setting	Paging Output Setting
					Pretone	Paging Timeout [sec]	Paging Audio Output (same as Contact / Audio Output Settings)
001	001	Master Station1	GF	Master Station	ON	30	
002	002	Master Station2	GF	Master Station	ON	30	
003	003	Master Station3	GF	Master Station	ON	30	
004	004	Master Station4	2F	Master Station	ON	30	
005	005	Master Station5	2F	Master Station	ON	30	

6.3.1. Paging Pretone Setting

■ Pretone

Description	Enable/disable the pretone function when the station is paged.
Settings	• ON • OFF
Default values	ON

6.3.2. Paging Time Setting (Master Station only)

■ Paging Timeout [sec] ♦

Description	Set maximum time for a page.
Settings	10-600 sec (by 1 sec)
Default values	30 sec

6.3.3. Paging Output Setting (Door Station only)

■ Paging Audio Output (same as Contact / Audio Output Settings)

Description	Set how audio is to be delivered. The entry is identical to "■Audio Output" ➤ **P.149** and "■Paging Audio Output (same as Contact / Audio Output Settings)" ➤ **P.174**. When the setting is changed, "■Audio Output" ➤ **P.149** and "■Paging Audio Output (same as Contact / Audio Output Settings)" ➤ **P.174** will be changed as well.
Settings	• Built-in Speaker for communication and paging • Audio Output for communication and paging • Built-in Speaker for communication, Audio Output for paging
Default values	Built-in Speaker for communication and paging

6.4. Paging Output Setting (Door Station only)

#	Station Information				Function Settings	
	Identification				Paging Output Setting	
	Number	Name	Location	Type	Paging Audio Output (same as Contact / Audio Output Settings)	Paging Audio Output (same as Contact / Audio Output Settings)
001	001	Master Station1	GF	Master Station		
002	002	Master Station2	GF	Master Station		
003	003	Master Station3	GF	Master Station		
004	004	Master Station4	2F	Master Station		
005	005	Master Station5	2F	Master Station		

6.4.1. Paging Audio Output (same as Contact / Audio Output Settings)

■ Paging Audio Output (same as Contact / Audio Output Settings)

Description	Set how audio is to be delivered. The entry is identical to "■Audio Output" ➤ **P.149** and "6.3.3. Paging Output Setting (Door Station only)" ➤ **P.173**. When the setting is changed, "■Audio Output" ➤ **P.149** and "6.3.3. Paging Output Setting (Door Station only)" ➤ **P.173** will be changed as well.
Settings	• Built-in Speaker for communication and paging • Audio Output for communication and paging • Built-in Speaker for communication, Audio Output for paging
Default values	Built-in Speaker for communication and paging

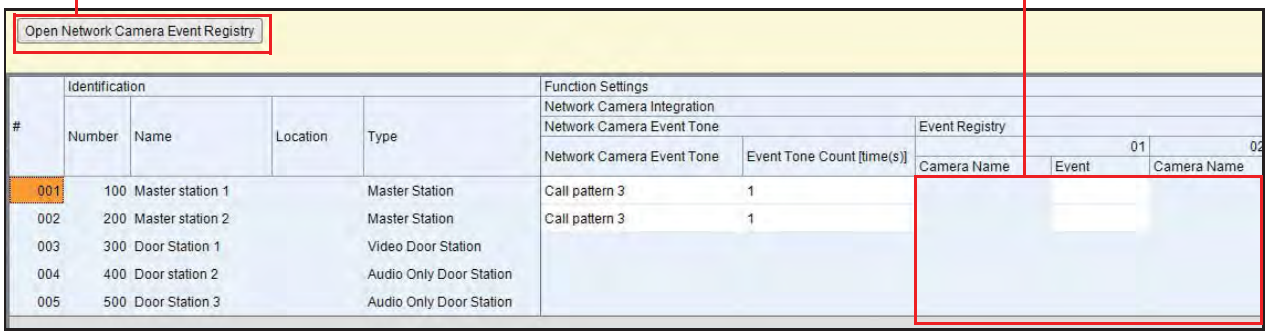
6.5. Network Camera Integration (Master Station only)

Configure the Event from Network Cameras.

To configure the settings, register a network camera in "■Network Camera Registry" ➤ P.138.

"6.5.2. Network Camera Event Registry" ➤ P.176

Event Registry field:
Registered events will be shown.



6.5.1. Network Camera Event Tone

■ Network Camera Event Tone

Description	Select the event tone for the network cameras.
Settings	• Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.146
Default values	Call pattern 3

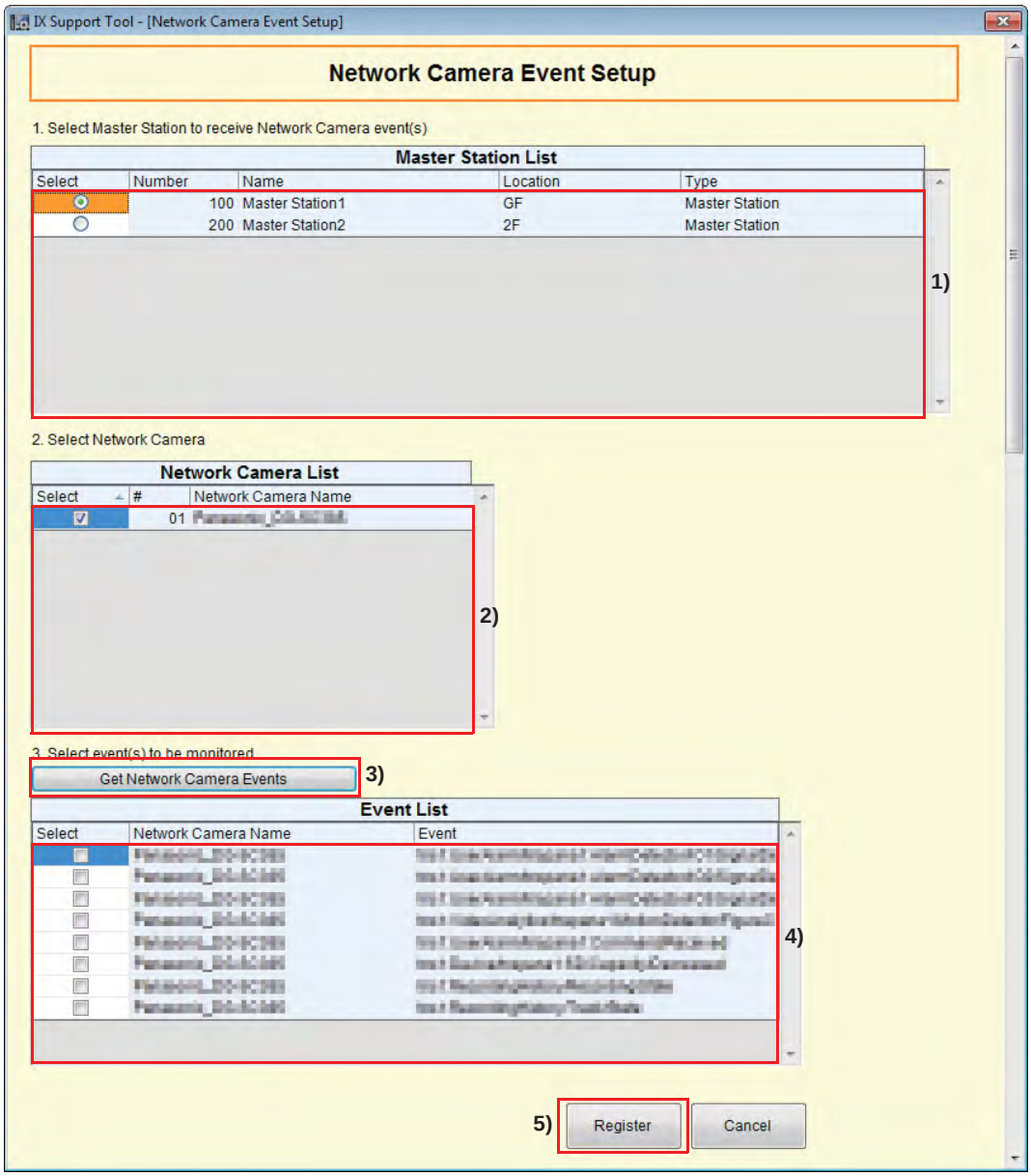
■ Event Tone Count [time(s)]

Description	Set the event tone count for the network cameras.
Settings	• Infinite: Ringing continues until the event is terminated. • 1-20 times
Default values	1

6.5.2. Network Camera Event Registry

Before configuring the settings, register a Network Camera in the Address Book of the Master Station which receives an Event beforehand. For details, refer to "3.2.2. Network Camera List" ➤ P.137.

Click [Open Network Camera Event Registry], "Network Camera Event Setup" window will be shown.



How to configure Network Camera Event Setup

1) In "Master Station List," check ◯ the station in which network camera event will be registered.

2) In "Network Camera List," check ☐ the network camera which will be monitored for any event.
- The network cameras registered in "■Network Camera Registry" ➤ **P.138** will be shown.

3) Click Get Network Camera Events.
(Obtaining the events may take several minutes.)
- Once events are successfully obtained, they will be shown in "Event List."

4) Check ☐ the events shown in the "Event List."

5) Click Register.
- The network cameras and events registered in event registry will be shown.

Point

When clearing an "Event", click Update, then the registered event will be deleted.

6.6. E-mail Settings

Configure this section when e-mail notification of station operation is required.

When configuring this section, also configure "2.2. DNS" ➤ P.120.

#	Station Information				Function Settings					
	Identification				E-mail Settings					
					Server Settings			Authentication Settings		
	Number	Name	Location	Type	SMTP Server	SMTP Port	SMTP Encryption	SMTP Authentication	Mode	ID
001	001	Master Station1	GF	Master Station		25	OFF	OFF	LOGIN	
002	002	Master Station2	GF	Master Station		25	OFF	OFF	LOGIN	
003	003	Master Station3	GF	Master Station		25	OFF	OFF	LOGIN	
004	004	Master Station4	2F	Master Station		25	OFF	OFF	LOGIN	
005	005	Master Station5	2F	Master Station		25	OFF	OFF	LOGIN	

6.6.1. Server Settings

■ SMTP Server

Description	Set the SMTP server. When choosing IPv4 address, enter IP address or the host name. When choosing IPv6 address, enter the host name.
Settings	1-255 alphanumeric characters
Default values	-

■ SMTP Port ♦

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

■ SMTP Encryption

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

6.6.2. Authentication Settings

■ SMTP Authentication

Description	Enable SMTP authentication.
Settings	• OFF • ON
Default values	OFF

■ Mode

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

■ ID

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

■ Password

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

Point

"■Password" will be displayed as "*****" on the screen.

6.6.3. E-mail Addresses

#	Station Information				Function Settings					
	Identification				E-mail Settings					
	Number	Name	Location	Type	E-mail Addresses				E-mail Event Trigger	
					Destination 1	Destination 2	Destination 3	Source Address	Destination 1	
									Normal call	Priority call
001	001	Master Station1	GF	Master Station					Disable	Disable
002	002	Master Station2	GF	Master Station					Disable	Disable
003	003	Master Station3	GF	Master Station					Disable	Disable
004	004	Master Station4	2F	Master Station					Disable	Disable
005	005	Master Station5	2F	Master Station					Disable	Disable

■ Destination 1

Description	Set the e-mail address.
Settings	1-64 alphanumeric characters
Default values	-

■ Destination 2

Description	Set the e-mail address.
Settings	1-64 alphanumeric characters
Default values	-

■ Destination 3

Description	Set the e-mail address.
Settings	1-64 alphanumeric characters
Default values	-

■ Source Address

Description	Set the source e-mail address.
Settings	1-64 alphanumeric characters
Default values	-

6.6.4. E-mail Event Trigger

Set the e-mail event trigger which initiates a message sending process. Configure the e-mail event trigger for each destination address.

#	Station Information				Function Settings					
	Identification				E-mail Settings					
					E-mail Event Trigger					
	Number	Name	Location	Type	Destination 1					
					Normal call	Priority call	Urgent call	Door Release Activated	Call Failed	E
001	001	Master Station1	GF	Master Station	Disable	Disable	Disable	Disable	Disable	D
002	002	Master Station2	GF	Master Station	Disable	Disable	Disable	Disable	Disable	D
003	003	Master Station3	GF	Master Station	Disable	Disable	Disable	Disable	Disable	D
004	004	Master Station4	2F	Master Station	Disable	Disable	Disable	Disable	Disable	D
005	005	Master Station5	2F	Master Station	Disable	Disable	Disable	Disable	Disable	D

■ Normal call

Description	An e-mail message will be sent when a normal call is made.
Settings	• Enable • Disable
Default values	Disable

■ Priority call

Description	An e-mail message will be sent when a priority call is made.
Settings	• Enable • Disable
Default values	Disable

■ Urgent call

Description	An e-mail message will be sent when an urgent call is made.
Settings	• Enable • Disable
Default values	Disable

■ Door Release Activated (Master Station only)

Description	An e-mail message will be sent when the door is released.
Settings	• Enable • Disable
Default values	Disable

■ Call Failed

Description	An e-mail message will be sent when a call fails.
Settings	• Enable • Disable
Default values	Disable

■ Error Occurred

Description	An e-mail message will be sent when a data communication error occurs.
Settings	• Enable • Disable
Default values	Disable

■ Station Restart

Description	An e-mail message will be sent when the station is restarted.
Settings	• Enable • Disable
Default values	Disable

■ Periodic Log Transmission

Description	System log will be regularly sent via e-mail.
Settings	• Enable • Disable
Default values	Disable

■ Periodic Log Transmit Time

Description	Set when to send out the log via e-mail.
Settings	00:00-23:59
Default values	00:00

■ Periodic Log Transmit Interval

Description	Set how often the log will be sent via e-mail.
Settings	Every 1-7 days
Default values	1 day

■ Subject Text

Description	Set the subject text of e-mail message for each trigger.
Settings	1-64 alphanumeric characters
Default values	-

Caution

UTF-8 encoding is used for the "Subject Text." Depending on the e-mail client, the characters may appear incorrectly.

6.6.5. Additional Settings (Video Door Station only)

#	Station Information				Function Settings			
	Identification				E-mail Settings			
	Number	Name	Location	Type	E-mail Event Trigger		Additional Settings	
					Subject Text		Attach Image	Attachment Image Filename
					Station Restart	Periodic Log Transmission		
001	001	Master Station1	GF	Master Station				
002	002	Master Station2	GF	Master Station				
003	003	Master Station3	GF	Master Station				
004	004	Master Station4	2F	Master Station				
005	005	Master Station5	2F	Master Station				

■ Attach Image

Description	Choose to attach an image file captured with Video Door Station camera to the e-mail message when a Normal/Priority/Urgent call triggers "6.6.4. E-mail Event Trigger" ➤ P.181.
Settings	• Enable • Disable
Default values	Disable

■ Attachment Image Filename

Description	Set the name of the image file when "■Attach Image" is enabled.
Settings	1-64 alphanumeric characters
Default values	-

Caution

UTF-8 encoding is used for the "■Attachment Image Filename." Depending on the e-mail client, the characters may appear incorrectly.

6.7. CGI Integration

CGI integration allows 3rd party hardware / software to control basic functionality of the IX devices.

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

#	Station Information				Function Settings
	Identification				CGI Integration
	Number	Name	Location	Type	CGI Functionality
001	001	Master Station1	GF	Master Station	Disable
002	002	Master Station2	GF	Master Station	Disable
003	003	Master Station3	GF	Master Station	Disable
004	004	Master Station4	2F	Master Station	Disable
005	005	Master Station5	2F	Master Station	Disable

■ CGI Functionality

Description	Enable CGI functionality.
Settings	• Enable • Disable
Default values	Disable

6.8. SIF Integration

SIF protocol allows event data to be sent directly to 3rd party hardware / software.

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

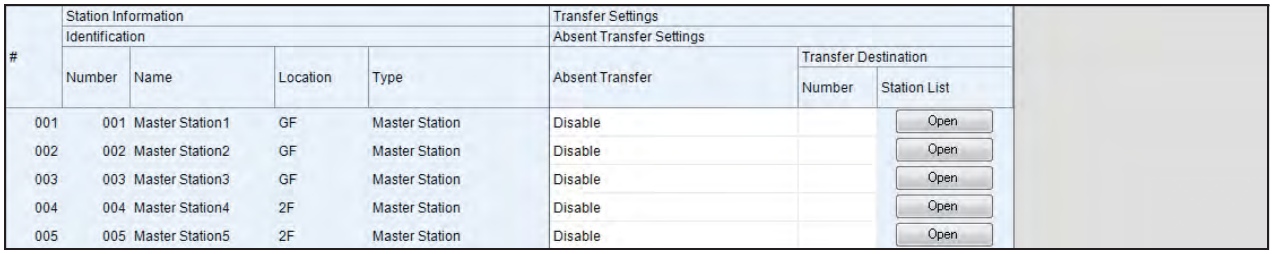
When clicking "SIF Integration" in the title of settings menu, the "Settings (Station View)" window will be shown. Start from the Settings (Station View). Refer to "6.8. SIF Integration" ➤ **P.267** for the Settings (Station View).

7. Transfer Settings

7.1. Absent Transfer Settings (Master Station only)

Configure the settings for absent transfer.

Absent transfer: A call can be automatically transferred to another station when absent.



#	Station Information				Transfer Settings		
	Identification				Absent Transfer Settings		
	Number	Name	Location	Type	Absent Transfer	Transfer Destination	
						Number	Station List
001	001	Master Station1	GF	Master Station	Disable		Open
002	002	Master Station2	GF	Master Station	Disable		Open
003	003	Master Station3	GF	Master Station	Disable		Open
004	004	Master Station4	2F	Master Station	Disable		Open
005	005	Master Station5	2F	Master Station	Disable		Open

■ Absent Transfer

Description	Enable absent transfer feature. If "■Transfer Destination," is not set, this feature cannot be enabled.
Settings	• Disable • Enable
Default values	Disable

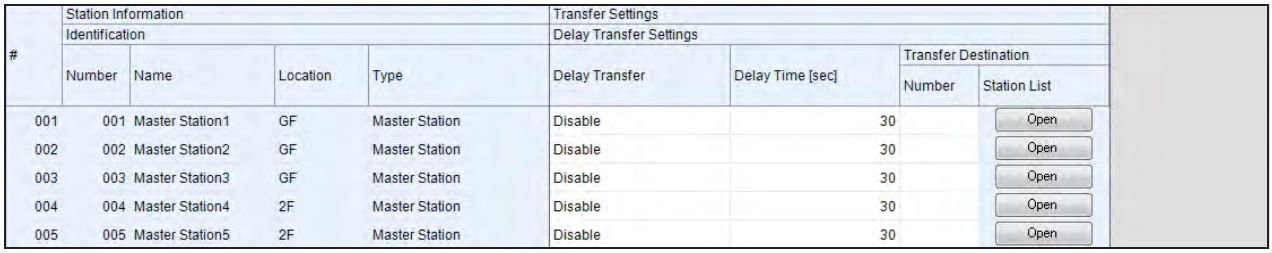
■ Transfer Destination

Description	Set the transfer destination. Enter the station number, or click Open to choose one.
Settings	3-5 digits
Default values	-

7.2. Delay Transfer Settings (Master Station only)

Configure the settings for delay transfer.

Delay transfer: A call can be automatically transferred to another station after a certain period of time (delay time) elapses.



#	Station Information				Transfer Settings			
	Identification				Delay Transfer Settings			
	Number	Name	Location	Type	Delay Transfer	Delay Time [sec]	Transfer Destination	
							Number	Station List
001	001	Master Station1	GF	Master Station	Disable	30		Open
002	002	Master Station2	GF	Master Station	Disable	30		Open
003	003	Master Station3	GF	Master Station	Disable	30		Open
004	004	Master Station4	2F	Master Station	Disable	30		Open
005	005	Master Station5	2F	Master Station	Disable	30		Open

■ Delay Transfer

Description	Enable delay transfer feature. If "■Transfer Destination," is not set, this feature cannot be enabled.
Settings	• Disable • Enable
Default values	Disable

■ Delay Time [sec] ♦

Description	Set the delay time for transferring a call when delay transfer is enabled.
Settings	1-300 sec (by 1 sec)
Default values	30 sec

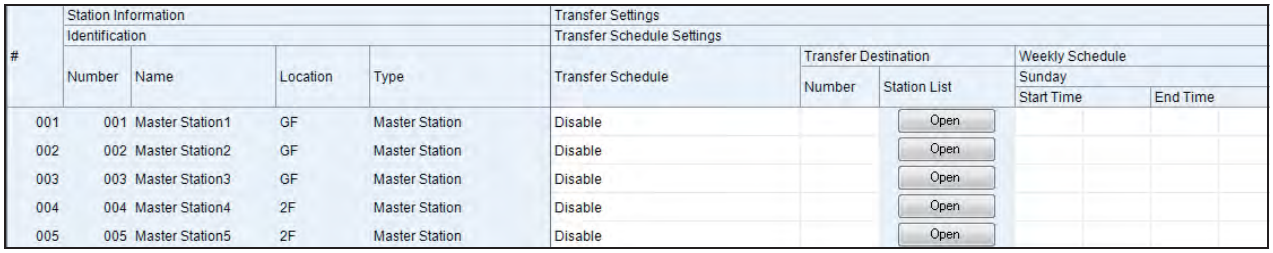
■ Transfer Destination

Description	Set the destination station (station number) for a delayed transfer. Enter the station number, or click Open to choose one.
Settings	3-5 digits
Default values	-

7.3. Transfer Schedule Settings (Master Station only)

Configure the settings for transfer schedule.

Transfer schedule: A call can be automatically transferred to another station when a call comes in during the time period set up in the weekly schedule.



#	Station Information				Transfer Settings				
	Identification				Transfer Schedule Settings				
	Number	Name	Location	Type	Transfer Schedule	Transfer Destination		Weekly Schedule	
						Number	Station List	Sunday	
								Start Time	End Time
001	001	Master Station1	GF	Master Station	Disable		Open		
002	002	Master Station2	GF	Master Station	Disable		Open		
003	003	Master Station3	GF	Master Station	Disable		Open		
004	004	Master Station4	2F	Master Station	Disable		Open		
005	005	Master Station5	2F	Master Station	Disable		Open		

■ Transfer Schedule

Description	Enable transfer schedule feature. If "■Transfer Destination," is not set, this feature cannot be enabled.
Settings	• Disable • Enable
Default values	Disable

■ Transfer Destination

Description	Set the destination station (station number) for a scheduled transfer. Enter the sation number, or click Open to choose one.
Settings	3-5 digits
Default values	-

7.3.1. Weekly Schedule

#	Station Information				Transfer Settings					
	Identification				Transfer Schedule Settings					
	Number	Name	Location	Type	Weekly Schedule					
					Sunday		Monday		Tuesday	
					Start Time	End Time	Start Time	End Time	Start Time	End T
001	001	Master Station1	GF	Master Station						
002	002	Master Station2	GF	Master Station						
003	003	Master Station3	GF	Master Station						
004	004	Master Station4	2F	Master Station						
005	005	Master Station5	2F	Master Station						

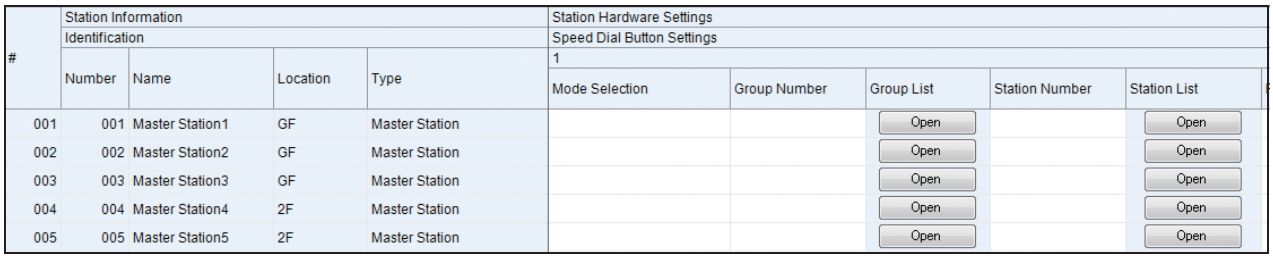
■ From Sunday through Saturday

Description	Set the schedule for transfer schedule feature. A call is transferred when placed during this time.
Settings	Each day of the week 00:00-23:59 * Depending on the time is chosen, the time period may cover two days of the week. Example:Monday 22:00-8:00 This means the transferring is enabled for the time period between 22:00 Monday and 8:00 Tuesday.
Default values	-

8. Station Hardware Settings

8.1. Speed Dial Button Settings (Master Station only)

Configure the settings for Speed Dial buttons of Master Station.



#	Station Information				Station Hardware Settings				
	Identification				Speed Dial Button Settings				
	Number	Name	Location	Type	1				
					Mode Selection	Group Number	Group List	Station Number	Station List
001	001	Master Station1	GF	Master Station			Open		Open
002	002	Master Station2	GF	Master Station			Open		Open
003	003	Master Station3	GF	Master Station			Open		Open
004	004	Master Station4	2F	Master Station			Open		Open
005	005	Master Station5	2F	Master Station			Open		Open

8.1.1. Buttons #1 - #6

■ Mode Selection

Description	Select the calling mode to be assigned to each Speed Dial button.
Settings	• Blank: Not used • Group call • Individual Call • Group page • All Page
Default values	Blank

■ Group Number

Description	When selecting "Group call" or "Group page" in "■Mode Selection," a group number must be set. Enter the group number, or click Open to choose one.
Settings	01-99
Default values	-

■ Station Number

Description	When selecting "Individual Call" in "■Mode Selection," a station number must be set. Enter the station number, or click Open to choose one.
Settings	3-5 digits
Default values	-

■ Priority

Description	Select the Priority to be assigned to each Speed Dial button.
Settings	• Normal • Priority (When selecting "Group page" or "All Page" in "■Mode Selection," this option cannot be selected.) • Urgent
Default values	-

8.2. Privacy Setting (Master Station only)

Configure the settings for privacy.

Privacy: This feature prevents outgoing audio from being heard when automatic answering feature is enabled.

#	Station Information				Station Hardware Settings
	Identification				Privacy Setting
	Number	Name	Location	Type	Privacy
001	001	Master Station1	GF	Master Station	Disable
002	002	Master Station2	GF	Master Station	Disable
003	003	Master Station3	GF	Master Station	Disable
004	004	Master Station4	2F	Master Station	Disable
005	005	Master Station5	2F	Master Station	Disable

■ Privacy

Description	Enable privacy.
Settings	• Enable • Disable
Default values	Disable

8.3. Volume Settings

Configure the settings for Volume.

#	Station Information				Station Hardware Settings			
	Identification				Volume Settings			
	Number	Name	Location	Type	Volume Settings			
					Handset Transmit Volume	Handset Receive Volume	Hands-free Transmit Volume	Hands-free
001	001	Master Station1	GF	Master Station	10	6	10	
002	002	Master Station2	GF	Master Station	10	6	10	
003	003	Master Station3	GF	Master Station	10	6	10	
004	004	Master Station4	2F	Master Station	10	6	10	
005	005	Master Station5	2F	Master Station	10	6	10	

8.3.1. Volume Settings

■ Handset Transmit Volume (Master Station only)

Description	Set the transmit volume of the handset for communication or paging.
Settings	1 (Low) - 10 (High)
Default values	10

■ Handset Receive Volume (Master Station only)

Description	Set the receive volume of the handset for communication.
Settings	1 (Low) - 10 (High)
Default values	6

■ Hands-free Transmit Volume (Master Station only)

Description	Set the hands-free transmit volume for communication or paging.
Settings	1 (Low) - 10 (High)
Default values	10

■ Hands-free Receive Volume (Master Station only)

Description	Set the hands-free receive volume for communication or paging. The volume for ringback tone will be changed as well.
Settings	1 (Low) - 10 (High)
Default values	6

■ Transmit Volume (Door Station only)

Description	Set the audio volume for communication or monitoring.
Settings	1 (Low) - 10 (High)
Default values	10

■ Receive Volume (Door Station only)

Description	Set the receive volume for communication or paging. The volume for ringback tone will be changed as well.
Settings	1 (Low) - 10 (High)
Default values	10

■ Ringtone Volume

Description	Set the ringtone and pretone volume.
Settings	0 (Off), 1 (Low) - 10 (High)
Default values	Master Station: 6; Door Station: 10

■ Button Feedback Tone (Master Station only)

Description	Enable tone when a button is pressed.
Settings	• Enable • Disable
Default values	Disable

8.4. Communication Settings

Configure the settings for a call.

#	Station Information				Station Hardware Settings		
	Identification				Communication Settings		
	Number	Name	Location	Type	Talk Timeout [sec]		Force Push-to-talk
					Range	30-600 sec	
001	001	Master Station1	GF	Master Station		60	Disable
002	002	Master Station2	GF	Master Station		60	Disable
003	003	Master Station3	GF	Master Station		60	Disable
004	004	Master Station4	2F	Master Station		60	Disable
005	005	Master Station5	2F	Master Station		60	Disable

■ Talk Timeout [sec] ♦

Description	Set the talk timeout.
Settings	• Infinite (Door Station only): Communication continues until the communication is terminated. • 30-600 sec (by 1 sec)
Default values	60

■ Force Push-to-talk (Master Station only)

Description	Enable the Force Push-to-talk feature.
Settings	• Enable • Disable
Default values	Disable

8.5. Monitor Setting (Master Station only)

Configure the settings for the monitor function.

Monitor function: Monitor video and audio of Door Stations, and a network camera from Master Station.

#	Station Information				Station Hardware Settings
	Identification				Monitor Setting
	Number	Name	Location	Type	Monitor Timeout [sec]
001	001	Master Station1	GF	Master Station	60
002	002	Master Station2	GF	Master Station	60
003	003	Master Station3	GF	Master Station	60
004	004	Master Station4	2F	Master Station	60
005	005	Master Station5	2F	Master Station	60

■ Monitor Timeout [sec] ♦

Description	Set the monitor timeout.
Settings	10-600 sec (by 1 sec)
Default values	60

8.6. Master Station Display Settings (Master Station only)

Configure the settings for Master Station display.

#	Station Information				Station Hardware Settings		
	Identification				Master Station Display Settings		
	Number	Name	Location	Type	Brightness	Time Format	Standby LED State
001	001	Master Station1	GF	Master Station	6	mm/dd/yyyy (12h)	ON
002	002	Master Station2	GF	Master Station	6	mm/dd/yyyy (12h)	ON
003	003	Master Station3	GF	Master Station	6	mm/dd/yyyy (12h)	ON
004	004	Master Station4	2F	Master Station	6	mm/dd/yyyy (12h)	ON
005	005	Master Station5	2F	Master Station	6	mm/dd/yyyy (12h)	ON

■ Brightness

Description	Set the brightness of the monitor.
Settings	1 (Dark) - 10 (Bright)
Default values	6

■ Time Format

Description	Select the time format for the display on the station.
Settings	• mm/dd/yyyy (12h) • mm/dd/yyyy (24h) • dd/mm/yyyy (12h) • dd/mm/yyyy (24h) • yyyy/mm/dd (12h) • yyyy/mm/dd (24h)
Default values	mm/dd/yyyy (12h)

■ Standby LED State

Description	Set to keep the Status indicator on while the station is in standby.
Settings	• ON • OFF
Default values	ON

8.7. Camera settings (Video Door Station only)

Configure the settings for Video Door Station camera.

#	Station Information				Station Hardware Settings			
	Identification				Camera Settings			
	Number	Name	Location	Type	Environmental Settings		Color Settings	
					Backlight Compensation Adjustment	Low Light Sensitivity Adjustment	Brightness	Contra
001	001	Master Station1	GF	Master Station				
002	002	Master Station2	GF	Master Station				
003	003	Master Station3	GF	Master Station				
004	004	Master Station4	2F	Master Station				
005	005	Master Station5	2F	Master Station				

8.7.1. Environmental Settings

■ Backlight Compensation Adjustment

Description	Enable the backlight compensation adjustment. When "ADJUST" button of Master Station is pressed during a call or monitoring, the setting will be changed.
Settings	• Enable • Disable
Default values	Disable

■ Low Light Sensitivity Adjustment

Description	Enable the automatic low light sensitivity adjustment function when the ambient lighting is dark. When "ADJUST" button of Master Station is pressed during a call or monitoring, the setting will be changed.
Settings	• Enable • Disable
Default values	Disable

8.7.2. Color Settings

Caution

If these settings are changed while video is displayed, the changes will not be reflected until the video is accessed again.

■ Brightness ♦

Description	Set the brightness of the picture.
Settings	1 (Dark) to 100 (Bright)
Default values	50

■ Contrast ♦

Description	Set the contrast of the picture.
Settings	1 (Weak) to 100 (Strong)
Default values	50

■ Color ♦

Description	Set the color of the picture.
Settings	1 (Weak) to 100 (Strong)
Default values	50

8.7.3. LED Illumination Control

■ During Call / Communication

Description	Activate LED illumination during communication when the ambient lighting is dark.
Settings	• Enable • Disable
Default values	Enable

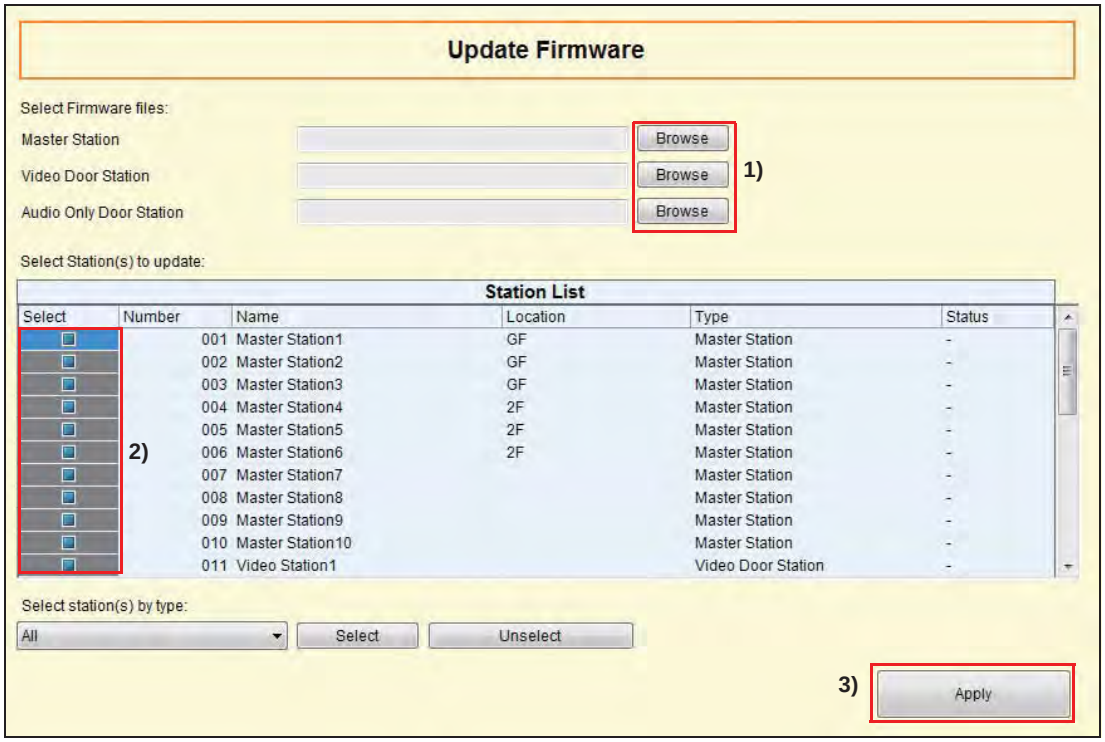
■ While Monitored

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

9. Maintenance

9.1. Firmware Update

Access our Web site "http://www.aiphone.net/" to download the latest version of the firmware. For how to download, refer to our Web site.



How to update the firmware

1) Click Browse and select the firmware file to be downloaded for each station.

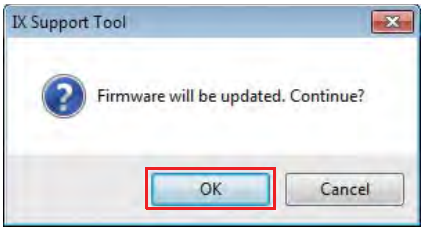
2) Check the station whose firmware is to be updated.

- To select or unselect the stations in a batch, choose the station type for a batch selection and click Select or Unselect.

3) Click Apply.

- The firmware update may take approximately ten minutes per station.

4) Click OK.



9.2. Initialization

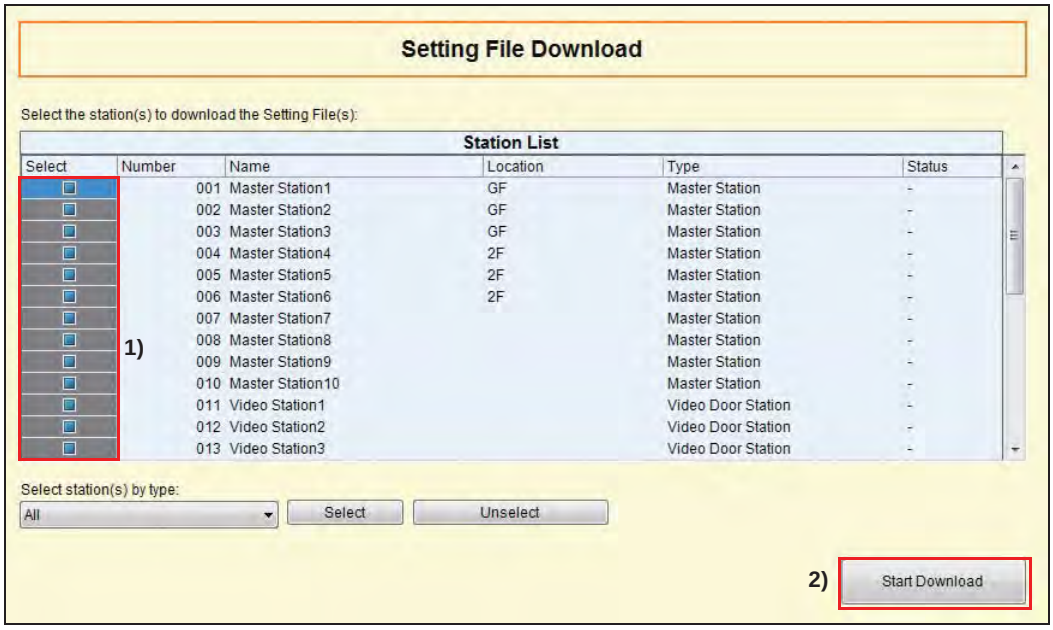
When initializing the station, all settings go back to the default values, and the system log and incoming/outgoing call history are erased.

Stations are also deleted from the settings in IX Support Tool.

To initialize a station, start from "9.2. Initialization" ➤ P.283 in the Settings (Station View).

9.3. Settings File Management

This feature downloads the setting data from a station and stores it at another location.



How to store the Settings File

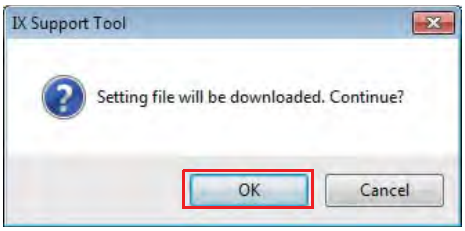
1) Check the station whose settings are to be stored.

- To select or unselect the stations in a batch, choose the station type for a batch selection and click Select or Unselect.

2) Click Start Download.

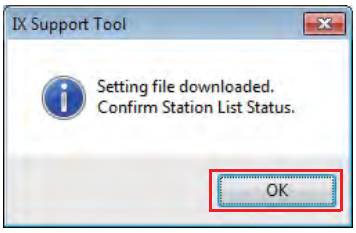
3) Click OK.

- When clicking Cancel, the screen goes back to "Setting File Download."



4) Click OK.

- The downloaded files are stored at "SupportTool" > "SystemData" > "(System name chosen)" > "Setting_ForUser" as "Config-(Station Number)-(yyyy.mm.dd.hh.mm.ss).txt" for each station.



System settings (Settings (Station View))

Important

- **Depending on the language for the display on the Master Station, the content of the settings item may appear incorrectly.**
- **The symbols indicate the following:**

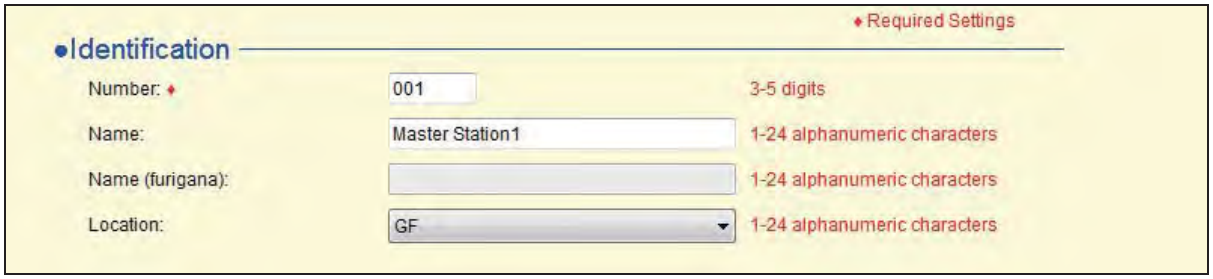
♦: Indicates a required field. A value should be entered. Retain the default settings, unless a change is necessary.

♠: The content of the settings item can be copied to other stations. For how to copy, refer to "4.3. Copy Settings (Settings (Station View))" ➤ P.64.

1. Station Information

1.1. Identification

Set the number, name, and location of each station.



■ Number ♦

Description	Enter the station number. Give each station a unique number. The station number set will be shown to the recipient when a call is originated or when the station is paged.
Settings	3-5 digits
Default values	A serial number is automatically assigned.

■ Name

Description	Enter the station name. The station name set will be shown to the recipient when a call is originated or when the station is paged.
Settings	1-24 alphanumeric characters
Default values	Master Station: Master Station (number), Video Door Station: Video Station (number) Audio Only Door Station: Audio Station (number)
Remarks	When updated with no entry, the station numbers are automatically copied in this field.

■ Location

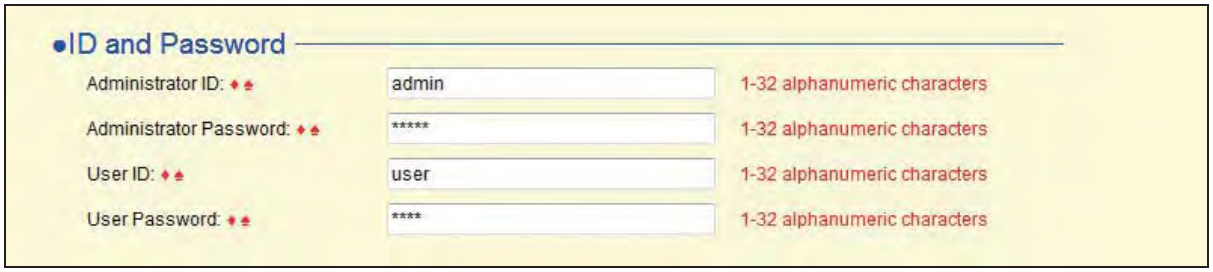
Description	Select the location where the station is installed. The location set will be shown to the recipient when a call is originated or when the station is paged. The location is used to search a station by the location.
Settings	Select one from the location registered in "1.1.2. Location Registry" ➤ P.111.
Default values	-

Point

Name (furigana) is only accessible when using Japanese or Chinese language.

1.2. ID and Password

Set the ID and password for logging in via a Web browser (WEB Settings Access) to configure a station.



■ Administrator ID ♦♠

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

■ Administrator Password ♦♠

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

■ User ID ♦♠

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

■ User Password ♦♠

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

Point

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

1.3. Time

Set the date and time for each station.

1.3.1. Time Zone

■ Select time zone ♠

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

1.3.2. Daylight Savings Time

■ Enable automatic daylight savings time ♠

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

1.3.3. NTP

■ Enable NTP ♠

Description	Enable NTP server to retrieve the time. If selecting "Yes," configure "2.8. NTP" ➤ **P.220**.
Settings	• Yes • No
Default values	No

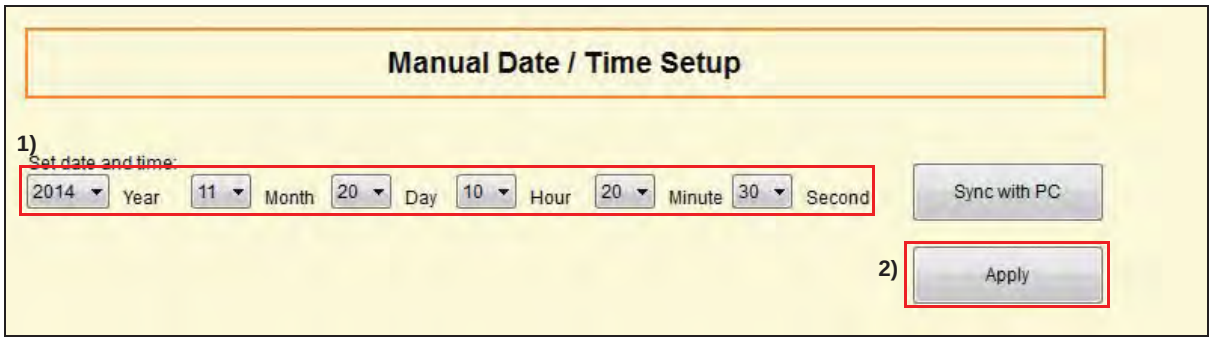
1.3.4. Manual Date / Time Setup

Enter the time for each station. Time is used for incoming calls, outgoing calls, and the system log.

Caution

Time is set using "Association Settings." The time cannot be set unless the station is connected to the network to which the PC is connected. Each station must be associated before the time can be set to it.

Click [Manual Date / Time Setup], the "Manual Date / Time Setup" window will be shown.



How to configure the date and time

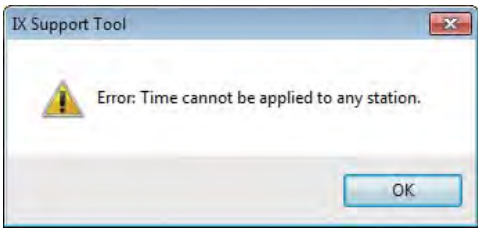
1) Select "Year," "Month," "Day," "Hour," "Minute," and "Second."

Or click [Sync with PC] to synchronize with PC.

2) Click [Apply].

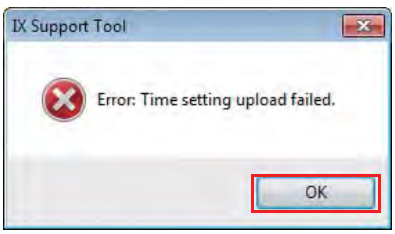
- If it is not set using "Association Settings," or if the station is not connected to the PC, the following screen will be shown.

  Click [OK] to use "Association Settings."

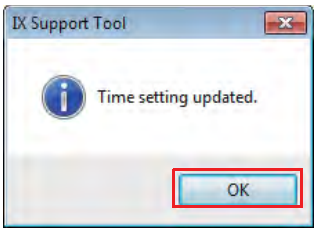


- If the station is not connected to the PC, the following screen will be shown.

  Click [OK], and connect the PC to the network to which the station is connected.



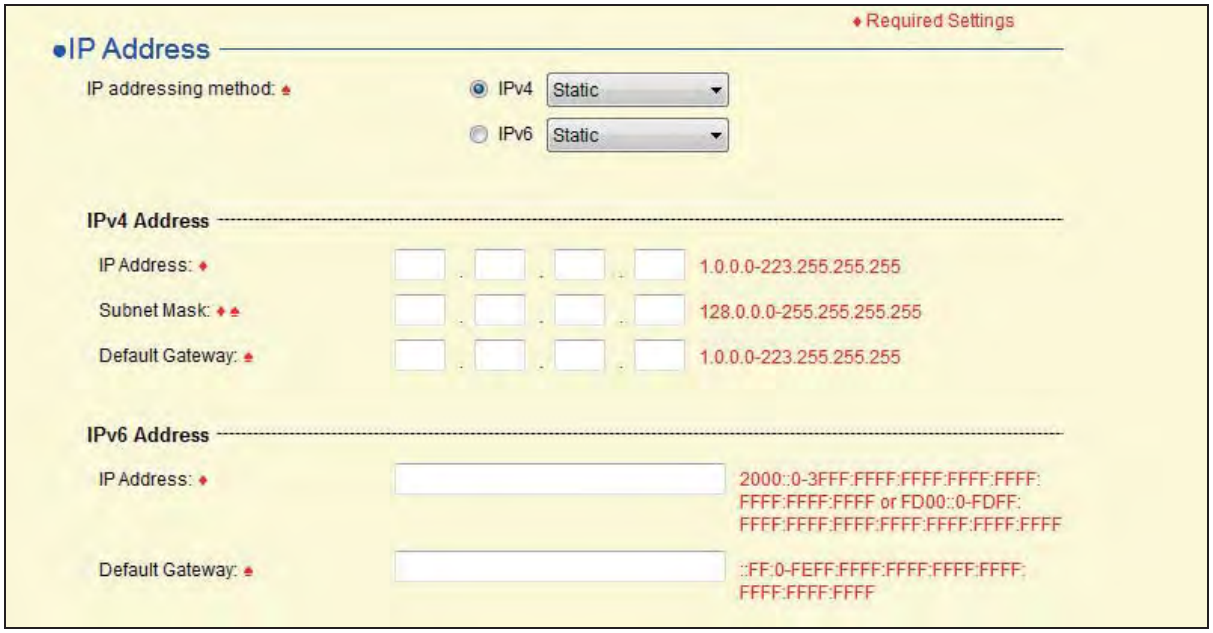
3) Click OK.



2. Network Settings

2.1. IP Address

Configure the IP address, subnet mask, and default gateway for each station.



■ IP addressing method ♠

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

Caution

- **IPv4 and IPv6 cannot be mixed in the same system.**
- **When selecting "DHCP" for IPv4, configure the system so that the DHCP server assigns a Static IP Address to each station.**
- **When selecting "Stateless" for IPv6, do not change the prefix of the device so that it can transmit RA.**
- **When selecting "DHCPv6" for IPv6, configure the system so that the DHCP server assigns a Static IP Address to each station. 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.**

2.1.1. IPv4 Address

■ IP Address ♦

Description	Set the IP address of the station. Do not duplicate IP addresses.
Settings	1.0.0.0-223.255.255.255
Default values	-

■ Subnet Mask ♦♠

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

■ Default Gateway ♠

Description	Set the default gateway of the network to which the station belongs.
Settings	1.0.0.0-223.255.255.255
Default values	-

2.1.2. IPv6 Address

■ IP Address ♦

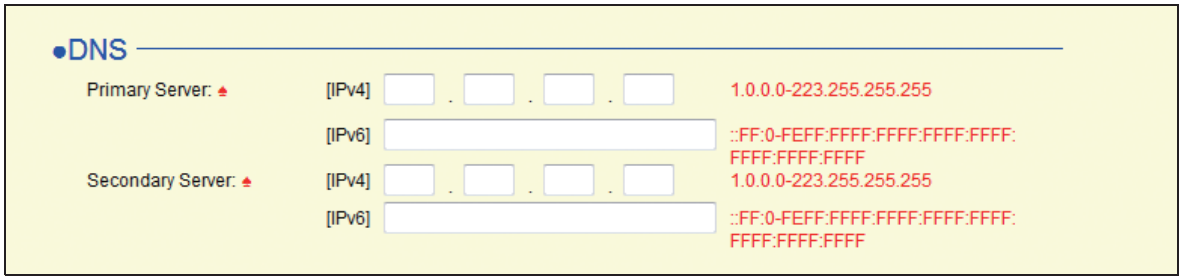
Description	Set the IP address of the station. Do not duplicate IP addresses.
Settings	2000::0-3FFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or FD00::0-FDFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	-

■ Default Gateway ♠

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

2.2. DNS

When setting the NTP server with its host name in "2.8. NTP" ➤ P.220, or when configuring "6.6. E-mail Settings" ➤ P.261 to use the e-mail function, set the DNS server to perform name resolution.



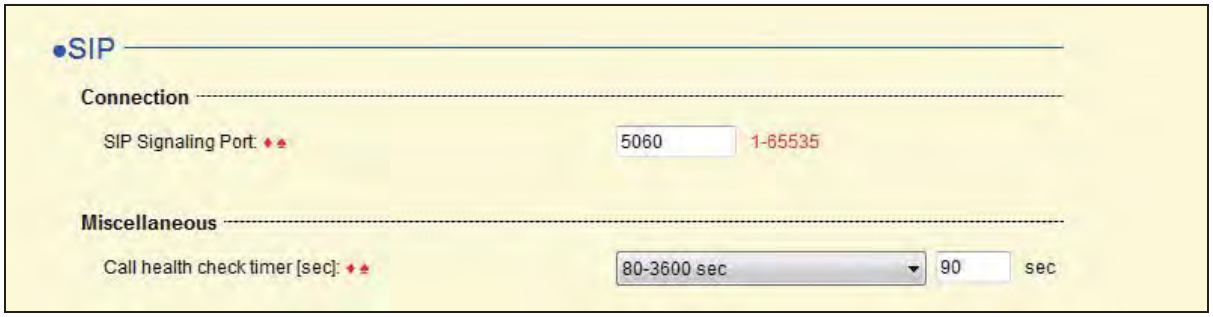
■ Primary Server ♠

Description	Set the IP address of the primary DNS server.
Settings	[IPv4]: 1.0.0.0-223.255.255.255 [IPv6]: ::FF:0-FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	-

■ Secondary Server ♠

Description	Set the IP address of the secondary DNS server.
Settings	[IPv4]: 1.0.0.0-223.255.255.255 [IPv6]: ::FF:0-FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	-

2.3. SIP



2.3.1. Connection

■ SIP Signaling Port ♦♠

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

2.3.2. Miscellaneous

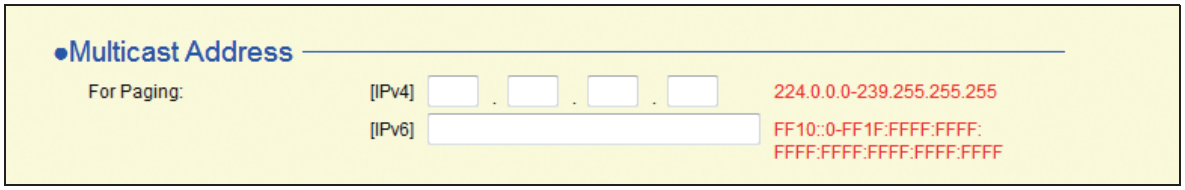
■ Call health check timer [sec] ♦♠

Description	When a communication error occurs during a call or while monitoring, the connection is disconnected after the specified time elapses.
Settings	• Do not transmit re-INVITE: A communication error should not be detected. • 80-3600 sec (by 1 sec)
Default values	80-3600 sec, 90 sec

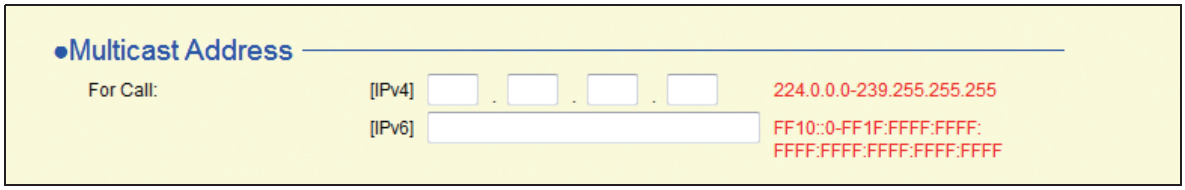
2.4. Multicast Address

Set when configuring to use multicast in "3.3. Group (Master Station only)" ➤ P.229, "5.5. All Page" ➤ P.245 (for Master Station), or "5.2.1. Call Button Assignment" ➤ P.239 (for Video Door Station).

For Master Station



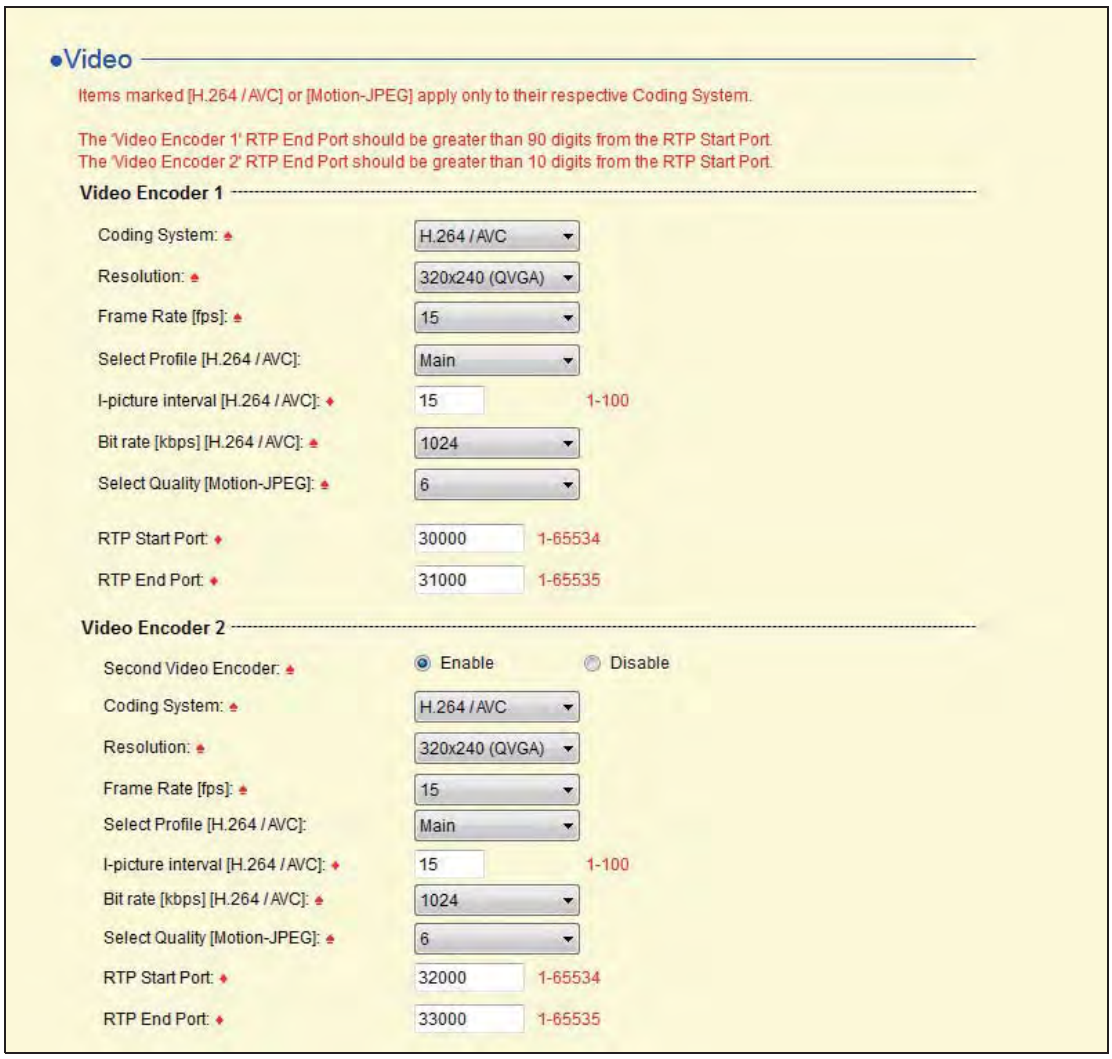
For Video Door Station



■ For Paging (for Master Station), for Call (for Video Door Station)

Description	Set the multicast address for all page, group page (for Master Station), or group call (for Video Door Station) through multicast. Set a unique multicast address for each station.
Settings	[IPv4]: 224.0.0.0-239.255.255.255 [IPv6]: FF10::0-FF1F:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	-

2.5. Video



2.5.1. Video Encoder 1

Configure video settings for a call between IX system stations.

■ Coding System ♠ (Video Door Station only)

Description	Select the coding system for the video.
Settings	• H.264 / AVC • Motion-JPEG
Default values	H.264 / AVC

■ Resolution ♠ (Video Door Station only)

Description	Select the resolution for the video.
Settings	• 320x240 (QVGA) • 640x480 (VGA)
Default values	320x240 (QVGA)

■ Frame Rate [fps] ♠ (Video Door Station only)

Description	Select the frame rate.
Settings	1, 3, 5, 7.5, 10, 15, 20, 30 fps
Default values	15 fps

■ Select Profile [H.264 / AVC] (Video Door Station only)

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

■ I-picture interval [H.264 / AVC] ♦ (Video Door Station only)

Description	Set the interval for transmitting pictures with H.264 / AVC.
Settings	1-100
Default values	15

■ Bit rate [kbps] [H.264 / AVC] ♠ (Video Door Station only)

Description	Select the bit rate for H.264 / AVC.
Settings	64, 128, 256, 384, 512, 768, 1024, 2048 kbps
Default values	1024 kbps

■ Select Quality [Motion-JPEG] ♠ (Video Door Station only)

Description	Set the image quality of Motion-JPEG.
Settings	1 (Low) through 10 (High)
Default values	6

■ RTP Start Port ♦ (Master Station and Video Door Station only)

Description	Set the start port for the RTP communication range. The (RTP End Port) should be greater than 90 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65534
Default values	30000

■ RTP End Port ♦ (Master Station and Video Door Station only)

Description	Set the end port for the RTP communication range. The (RTP End Port) should be greater than 90 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65535
Default values	31000

2.5.2. Video Encoder 2

Set when transmitting video using ONVIF.

When viewing video of Video Door Station with other manufacturer's product, refer to "2.5.3. Viewing video from Door Station with 3rd party products (ONVIF)" ➤ P.215.

Caution

These settings may be changed by ONVIF-compliant 3rd party products, if utilized. Refer to the manual of the 3rd party product to be used.

■ Second Video Encoder ♠ (Video Door Station only)

Description	Enable / Disable the dual stream function. Set to "Enable" when transmitting video through ONVIF.
Settings	• Enable • Disable
Default values	Enable

■ Coding System ♠ (Video Door Station only)

Description	Select the coding system for the video.
Settings	• H.264 / AVC • Motion-JPEG
Default values	H.264 / AVC

■ Resolution ♠ (Video Door Station only)

Description	Select the resolution for the video.
Settings	• 320x240 (QVGA) • 640x480 (VGA)
Default values	320x240 (QVGA)

■ Frame Rate [fps] ♠ (Video Door Station only)

Description	Select the frame rate.
Settings	1, 3, 5, 7.5, 10, 15, 20, 30 fps
Default values	15 fps

■ Select Profile [H.264 / AVC] (Video Door Station only)

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

■ I-picture interval [H.264 / AVC] ♦ (Video Door Station only)

Description	Set the interval for transmitting pictures with H.264 / AVC.
Settings	1-100
Default values	15

■ Bit rate [kbps] [H.264 / AVC] ♠ (Video Door Station only)

Description	Select the bit rate for H.264 / AVC.
Settings	64, 128, 256, 384, 512, 768, 1024, 2048 kbps
Default values	1024 kbps

■ Select Quality [Motion-JPEG] ♠ (Video Door Station only)

Description	Set the image quality of Motion-JPEG.
Settings	1 (Low) through 10 (High)
Default values	6

■ RTP Start Port ♦ (Master Station and Video Door Station only)

Description	Set the start port for the RTP communication range. The (RTP End Port) should be greater than 10 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65534
Default values	32000

■ RTP End Port ♦ (Master Station and Video Door Station only)

Description	Set the end port for the RTP communication range. The (RTP End Port) should be greater than 10 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65535
Default values	33000

2.5.3. Viewing video from Door Station with 3rd party products (ONVIF)

Video Door Station supports the ONVIF interface standard "ONVIF profile S."

View video from Door Station camera with 3rd party product supporting the ONVIF specification. (For products with confirmed interoperability, refer to our Web site "http://www.aiphone.net/.")

Important

Video from the Door Station camera cannot be viewed simultaneously by more than two products from other manufacturers.

Configuring the station so video can be viewed with a product by another manufacturer

1) Select "Enable" for "■Second Video Encoder ♠ (Video Door Station only)" ➤ **P.213**.

Caution

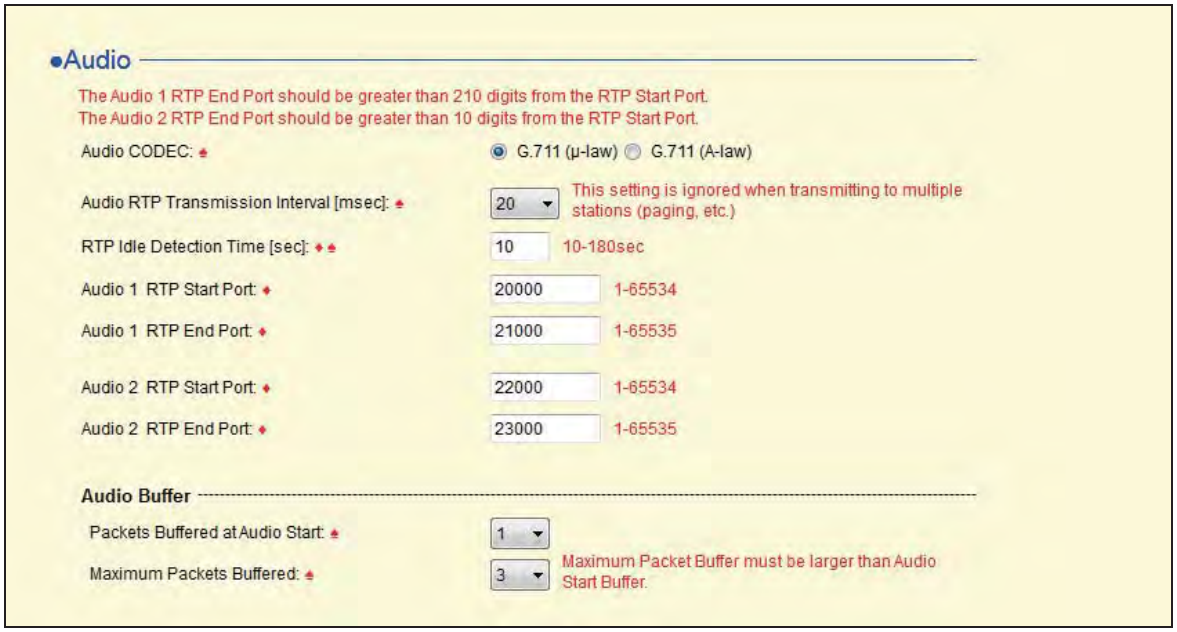
Set "2.5.2. Video Encoder 2" ➤ P.213 according to the specification of the product.

2) Register Video Door Station on the product.

- Enter the authentication ID and password given below:
  Authentication ID: aiphone, Password: aiphone
- For how to register, refer to the instruction manual of the product to be registered.

2.6. Audio

Configure the settings for audio.



■ Audio CODEC ♠

Description	Select the audio CODEC.
Settings	• G.711 (μ-law) • G.711 (A-law)
Default values	G.711 (μ-law)

Caution

Stations with different audio CODEC cannot call, monitor, or page each other.

■ Audio RTP Transmission Interval [msec] ♠

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

■ RTP Idle Detection Time [sec] ♦♠

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

■ Audio 1 RTP Start Port ♦

Description	Set the start port for the Audio 1 RTP communication range. The (RTP End Port) should be greater than 210 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65534
Default values	20000

■ Audio 1 RTP End Port ♦

Description	Set the end port for the Audio 1 RTP communication range. The (RTP End Port) should be greater than 210 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65535
Default values	21000

■ Audio 2 RTP Start Port ♦

Description	Set the start port for the Audio 2 RTP communication range. The (RTP End Port) should be greater than 10 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65534
Default values	22000

■ Audio 2 RTP End Port ♦

Description	Set the end port for the Audio 2 RTP communication range. The (RTP End Port) should be greater than 10 digits from the (RTP Start Port). If a smaller range is set, in some cases ports outside the range will still be used.
Settings	1-65535
Default values	23000

2.6.1. Audio Buffer

■ Packets Buffered at Audio Start ♠

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

■ Maximum Packets Buffered ♠

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

2.7. Packet Priority

Configure the Packet Priority and VLAN for video, audio, and SIP packets.

Caution

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

■ TOS Value (Audio) ♠

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

■ TOS Value (Video) ♠ (Video Door Station only)

Description	Set the video packet priority (TOS value).
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	Enable/disable the tag VLAN.
Settings	• Disable • Enable
Default values	Disable

Important

When "■VLAN Setting" is enabled, ensure that the switches, PCs, and stations are all configured for VLAN operation.

■ VLAN ID ♦♠

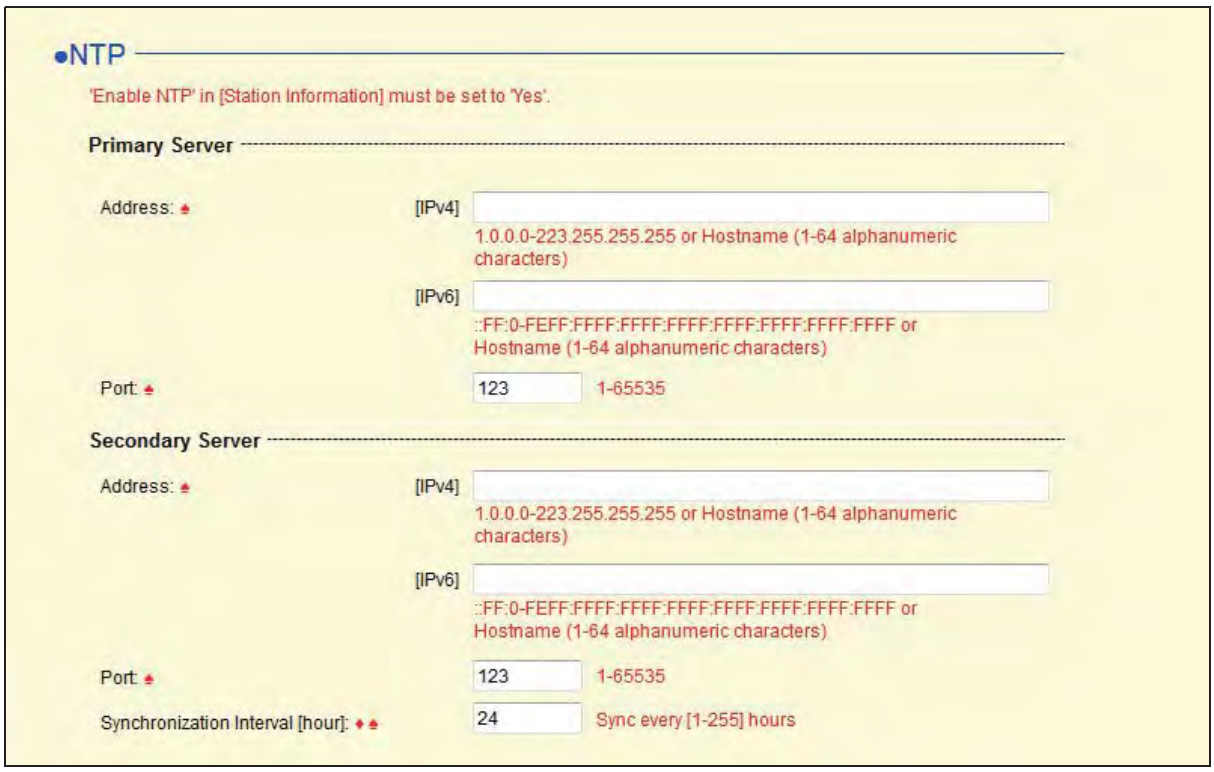
Description	Enter the VLAN ID.
Settings	1-4094
Default values	1

■ VLAN Priority ♠

Description	Set the VLAN priority.
Settings	0 (Low) through 7 (High)
Default values	0

2.8. NTP

Configure the settings for NTP. When using NTP, set "■Enable NTP ♠" ➤ P.203.



2.8.1. Primary Server

■ Address ♠

Description	Set the IP address of the primary NTP server. When using a "Hostname," set up "2.2. DNS" ➤ P.209.
Settings	[IPv4]: 1.0.0.0-223.255.255.255 or Hostname (1-64 alphanumeric characters) [IPv6]: ::FF:0-FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or Hostname (1-64 alphanumeric characters)
Default values	-

■ Port ♠

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

2.8.2. Secondary Server

■ Address ♠

Description	Set the IP address of the secondary NTP server. When using a with "Hostname," set up "2.2. DNS" ➤ P.209.
Settings	[IPv4]: 1.0.0.0-223.255.255.255 or Hostname (1-64 alphanumeric characters) [IPv6]: ::FF:0-FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or Hostname (1-64 alphanumeric characters)
Default values	-

■ Port ♠

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

■ Synchronization Interval [hour] ♦♠

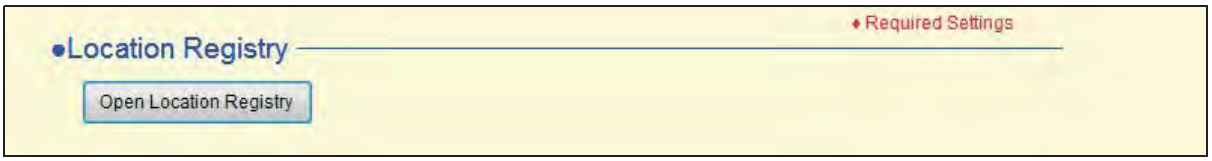
Description	Set the interval for synchronizing the clock with NTP server.
Settings	1-255 hours (by 1 hour)
Default values	24 hour

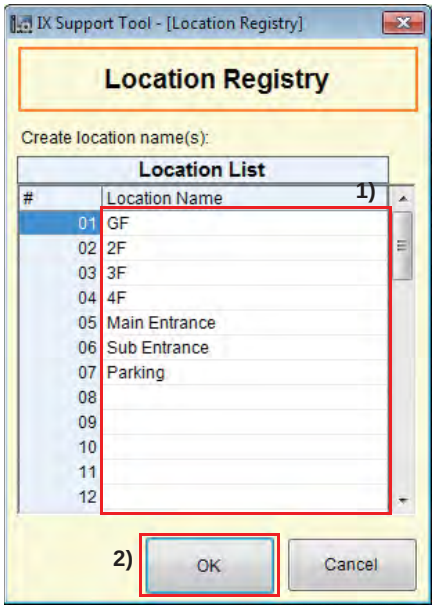
3. System Information

3.1. Location Registry (Master Station only)

Click Open Location Registry, the "Location Registry" window will be shown.

Register up to 50 locations.





How to register a location

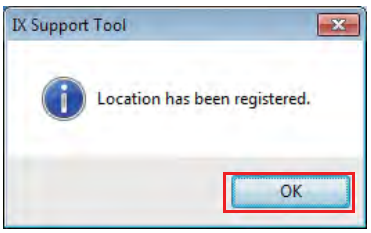
1) Enter the location in "Location List."

- Location Name: 1-24 alphanumeric characters

2) Click OK.

- Click Cancel, the registration is terminated without registering the location.

3) Click OK.

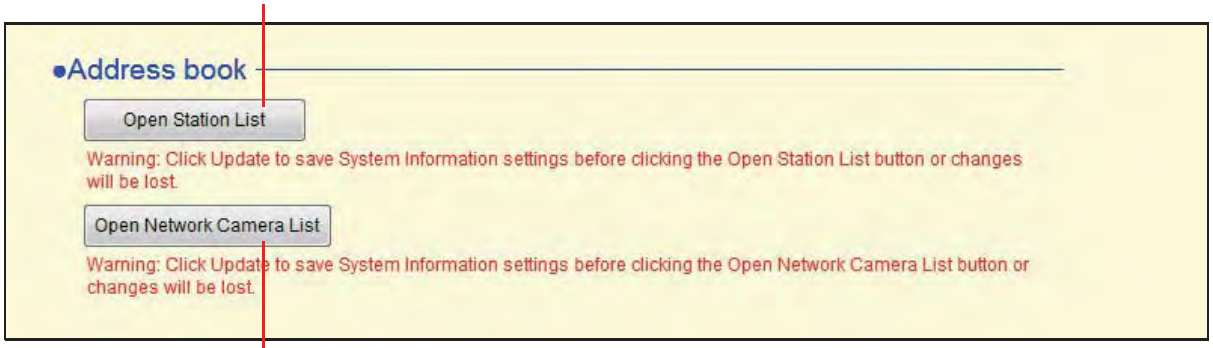


3.2. Address book (Master Station only)

Set Address Book for Master Station.

Use the Address Book to call/page a station or monitor a network camera.

"3.2.1. Station List" ➤ P.223

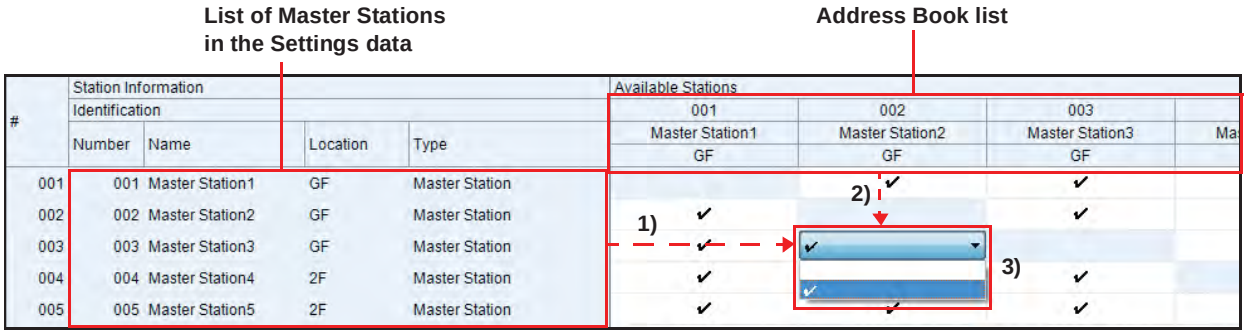


"3.2.2. Network Camera List" ➤ P.224

3.2.1. Station List

Register the stations in IX System in the Address Book.

Click Open Station List, the window in which a station list can be created will be shown.



How to create Station List

1) Identify the station to be configured using "List of Master Stations in the settings data."

2) Identify the station to be registered in the Address Book using "Address Book list."

3) Click the cells that correspond to **1)** and **2)**. As the pull-down menu appears, choose blank or "✓."

Blank: The selected station will not be registered in the Address Book.

✓: The selected station will be registered in the Address Book.

4) When done, click Update.

5) Click OK.

Point

- All items are "✓" as the default setting.
- A station cannot be registered to itself.

3.2.2. Network Camera List

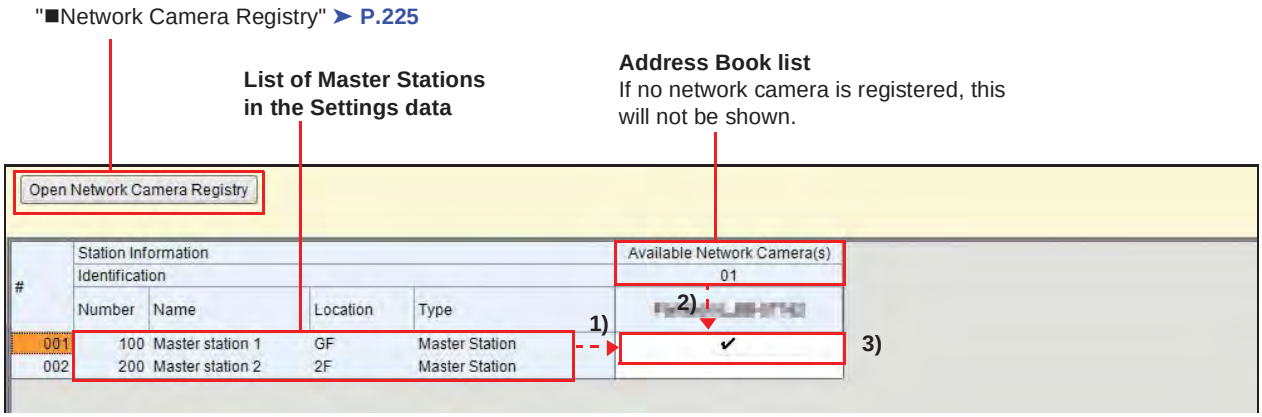
Master Station supports the ONVIF interface standard "ONVIF profile S."

View video with Master Station monitor taken with a network camera made by other manufacturers supporting the ONVIF specification. (For products with confirmed interoperability, refer to our Web site "http://www.aiphone.net/.")

Register the network camera in the Address Book.

To register a network camera, association settings should be configured and a PC should be connected.

Click Open Network Camera List, the following window will be shown.



How to create Network Camera List

1) Identify the station to be configured using "List of Master Stations in the Settings data."

2) Identify the network camera to be registered in the Address Book using "Address Book list."

3) Click the cells that correspond to **1)** and **2)**. As the pull-down menu appears, choose blank or "✓."
Blank: The selected network camera will not be registered in the Address Book.
✓: The selected network camera will be registered in the Address Book.

4) When done, click Update.

5) Click OK.

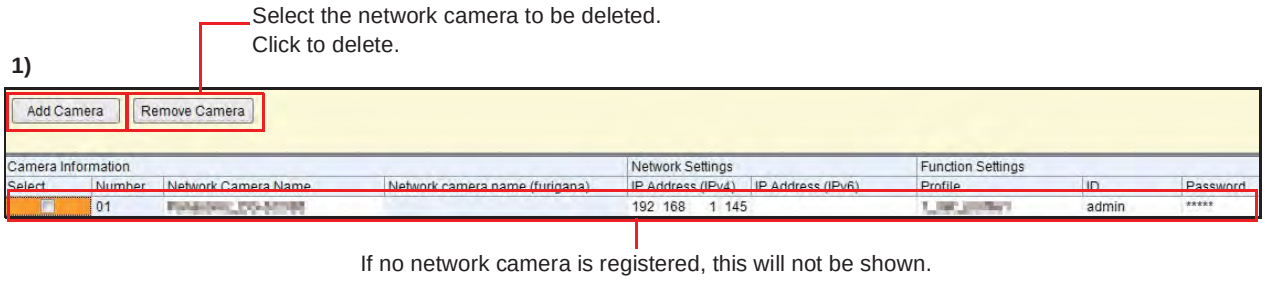
Point

All items are set as "Blank" in the default settings.

■ Network Camera Registry

A network camera should be registered.

Click Open Network Camera Registry, the following window will be shown.



■ Network Camera Name

Description	Enter the network camera name.
Settings	1-24 alphanumeric characters
Default values	-

■ Profile

Description	The selected video profile is shown.
Settings	-
Default values	-

■ ID

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

■ Password

Description	Enter the authentication password of the network camera.
Settings	1-32 alphanumeric characters
Default values	-

■ IP Address (IPv4)

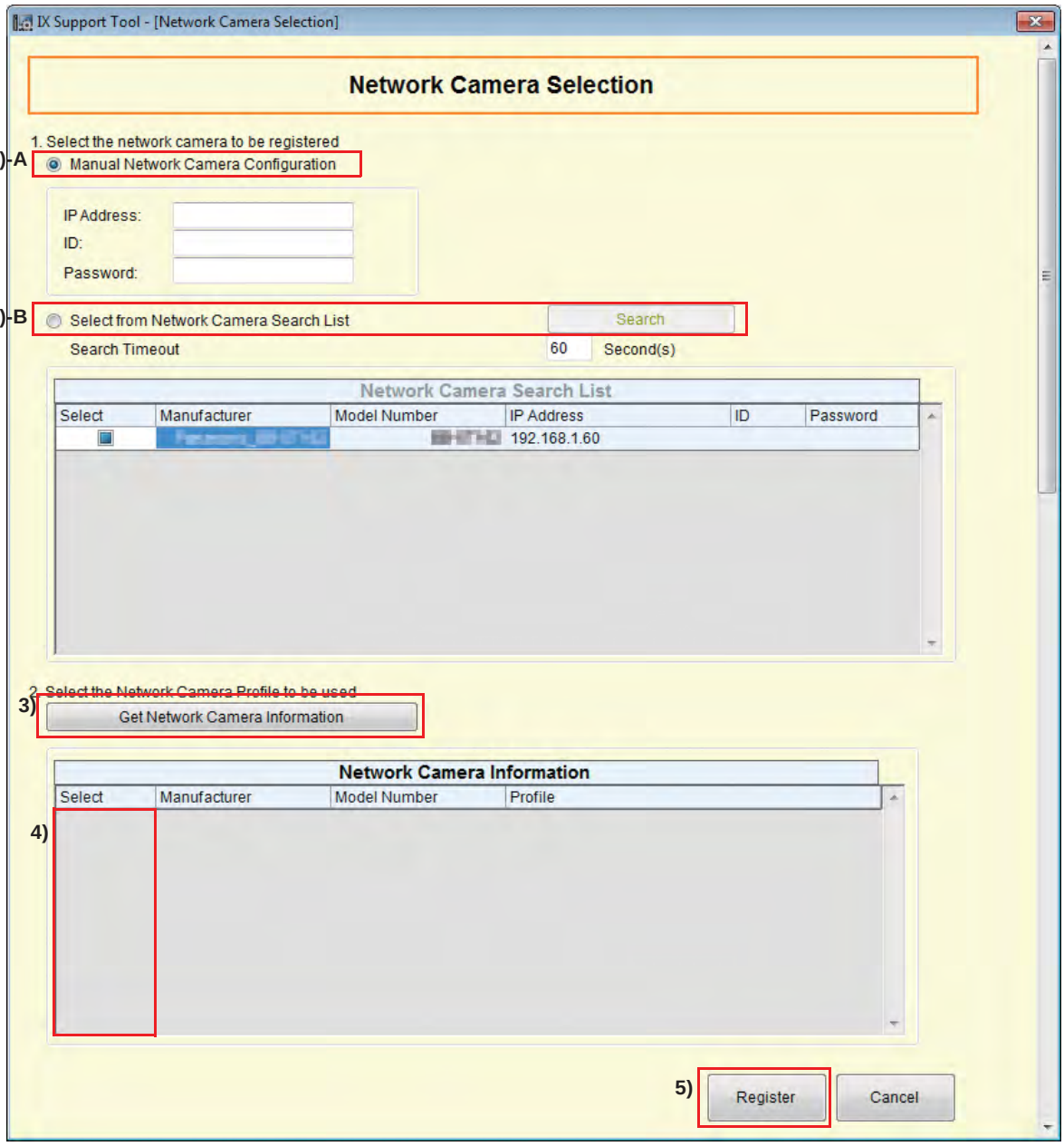
Description	Set the IPv4 address of the network camera.
Settings	1.0.0.0-223.255.255.255
Default values	-

■ IP Address (IPv6)

Description	Set the IPv6 address of the network camera.
Settings	::FF:0-FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
Default values	-

Point

Network camera name (furigana) is only accessible when using Japanese or Chinese language.



1) Click Add Camera to search a network camera. (Searching may take several minutes.)
When searching is done, the network cameras connected in the network will be shown in the "Network Camera Search List."

2) Choose method of A or B for specifying the network camera.

A: When specifying the IP address directly
(For the multicast-incompatible network, use this search method.)
Check "Manual Network Camera Configuration," and enter "IP Address," "ID," and "Password" of the network camera.

B: When searching in the Network Camera Search List
Check "Select from Network Camera Search List," choose the network camera to register in "Network Camera Search List," and enter "ID" and "Password."

To search again, click Search.

3) Click Get Network Camera Information.
(Obtaining the video profile may take several minutes.)
When video profiles are successfully obtained, they will be shown in "Network Camera Information."

4) Choose the video profile to be registered from the list.

5) Click Register to register a network camera.

6) When done, click Update.

7) Click OK.

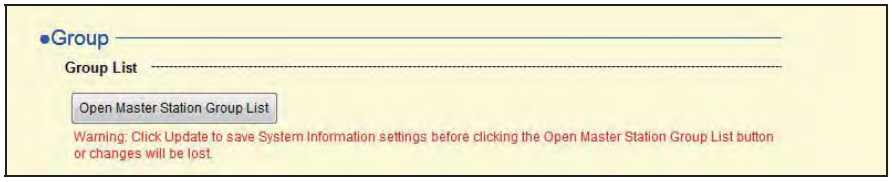
3.3. Group (Master Station only)

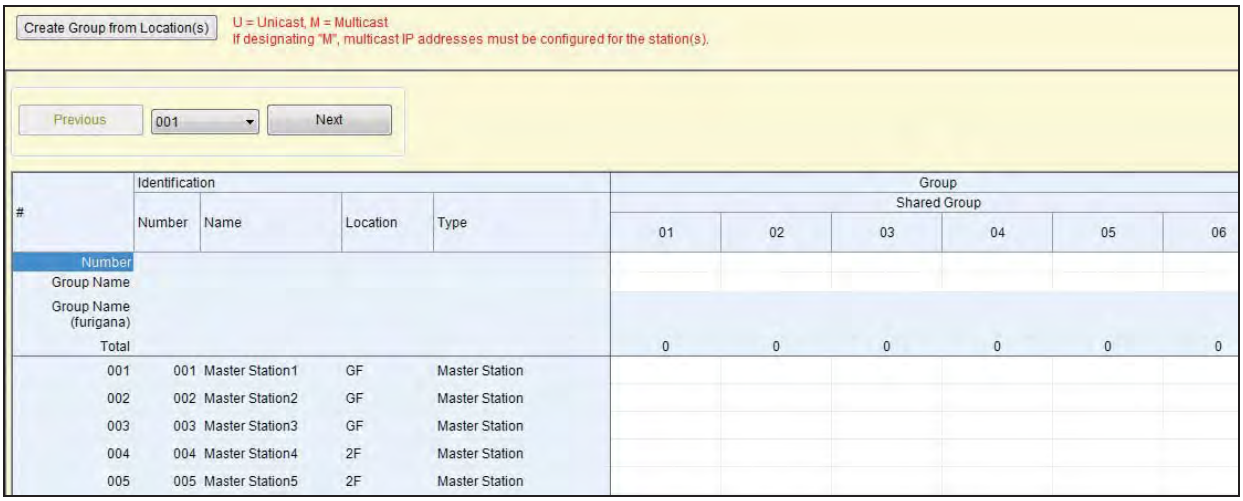
Configure the group in the Master Station. Register up to 50 Groups in each station.

Select a group registered in the Address Book.

3.3.1. Master Station Group List

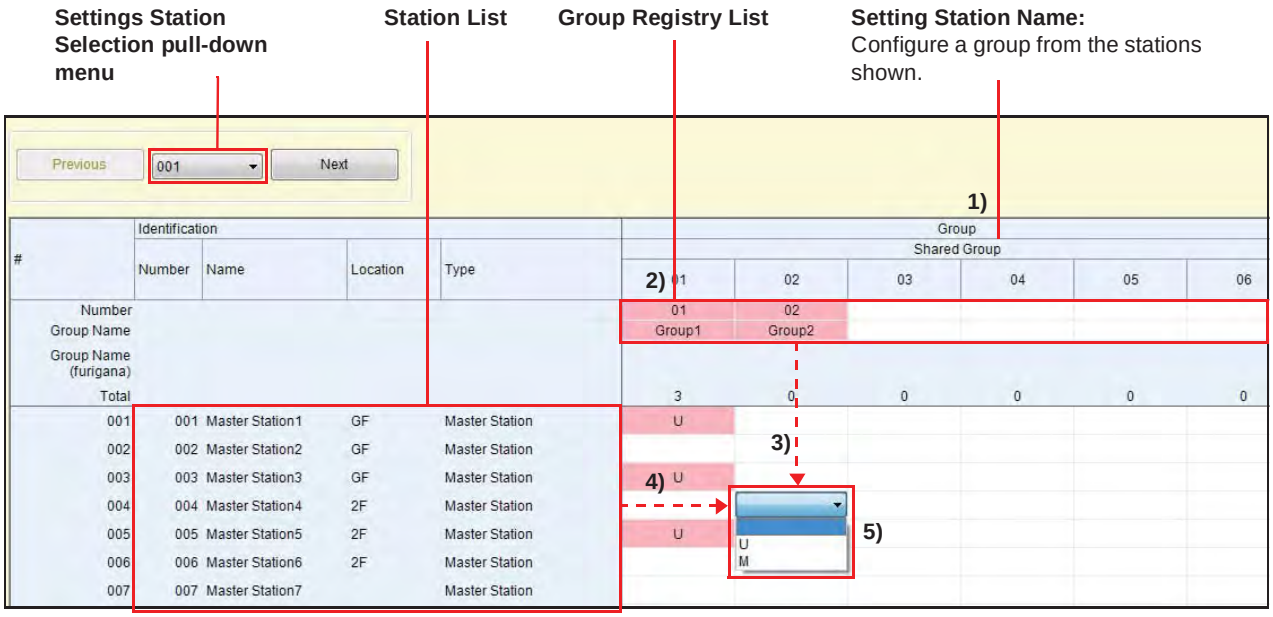
Click Open Master Station Group List, the window for creating a group will be shown.





■ Shared Group Settings

A group registered in the shared group settings will be applied to all Master Stations.



1) Verify that the "Shared Group" table is shown.
If "Shared Group" is not visible, scroll the screen all the way to the left.

2) Enter the "Number" and "Group Name" of the group to be set in the Group Registry.
Number: 01 through 99 (2 digits)
Group Name: 1-24 alphanumeric characters

3) Identify the group to be configured in "Group Registry List" section (01 through 50).

4) Identify the stations to be registered to the group in "Station List."

5) Click the cells that correspond to **3)** and **4)**. As the pull-down menu appears, choose blank, "U," or "M."
Blank: Station will not be registered in the group.
U: Station will be registered in the group. When the group is paged, audio is transmitted as unicast.
M: Station will be registered in the group. When the group is paged, audio is transmitted as multicast.

6) When done, click Update.

- When clicking Update, the data entered in the shared group will be registered to each Master Station, and will be removed from the Shared Group section.

7) Click OK.

Point

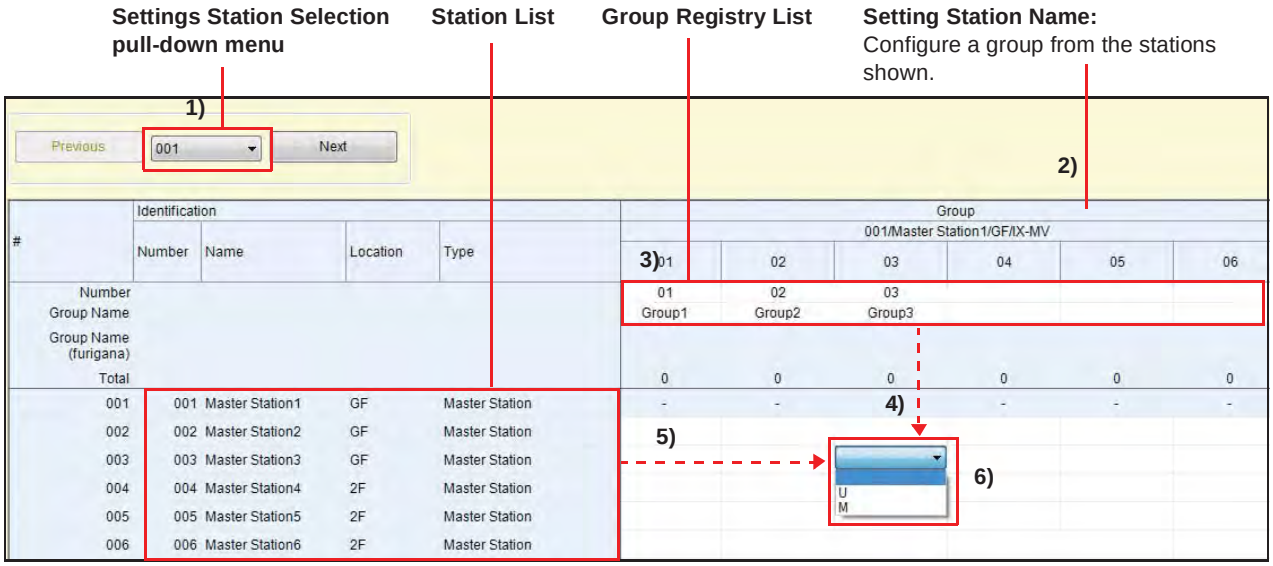
- No group is registered in the default settings.
- Register up to 50 groups for each Master Station.
- When choosing "M," configure "2.4. Multicast Address" ➤ **P.210**.
- Group Name (furigana) is only accessible when using Japanese or Chinese language.

Important

"Shared Group" registration should be completed prior to individual Master Station group registration. If a "Shared Group" is configured using the same group number as a Master Station individual group, the individual group setting will be overwritten.

■ Individual Settings

Configure the group to be registered in each station.



1) Select the station number to be configured from Settings Station Selection pull-down menu.

2) Scroll to the right using the scroll bar at the bottom of the screen to show the settings station to be configured.

3) Enter the "Number" and "Group Name" of the group to be set in the Group Registry.
Number: 01 through 99 (2 digits)
Group Name: 1-24 alphanumeric characters

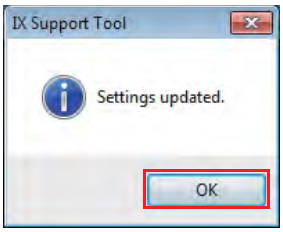
4) Identify the group to be configured in "Group Registry List" section (01 through 50).

5) Identify the stations to be registered to the group in "Station List."

6) Click the cells that correspond to **4)** and **5)**. As the pull-down menu appears, choose blank, "U," or "M."
U: Station will be registered in the group. When the group is paged, audio is transmitted as unicast.
M: Station will be registered in the group. When the group is paged, audio is transmitted as multicast.

7) When done, click Update.

8) Click OK.



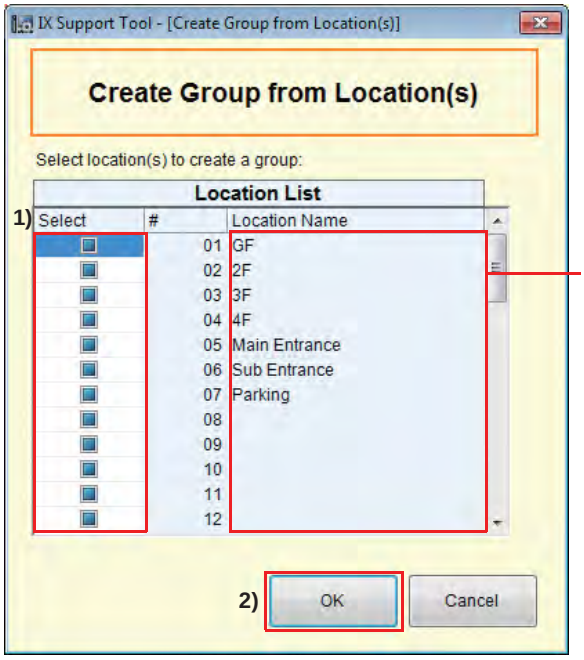
Point

- No group is registered in the default settings.
- The station preceding and following the station selected will be shown.
  For example, if "003" is selected, "002," "003," and "004" are all shown.
- Register up to 50 Groups for each Master Station.
- When choosing "M," configure "2.4. Multicast Address" ➤ **P.210**.
- Group Name (furigana) is only accessible when using Japanese or Chinese language.

■ Create Group from Location(s)

Create a group with the stations configured for an identical location.

Click Create Group from Location(s), the following window will be shown.



The locations registered in "1.1.2. Location Registry" ➤ **P.111** will be shown.

1) Check the check box of the location for which a group is to be created.

2) Click OK.

Stations belonging to the selected location will be registered in the "Shared Group" section.

- For further steps, refer to "■Shared Group Settings" ➤ **P.230**.

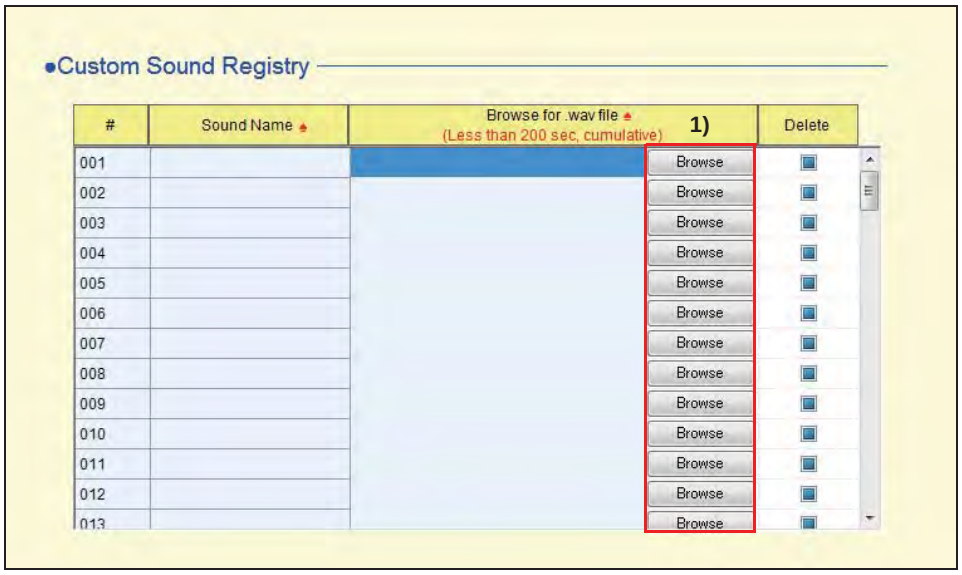
3.4. Custom Sound Registry

Register the audio files to be used for a ringtone.

For each station, up to 100 files can be registered (total length of approximately 200 seconds/ approximately 3.2 MB).

Supported file format

- File format: .wav
- Audio sample size: 16 bits
- Audio sample rate: 8 kHz
- Number of channels: One (monaural)



■ Custom Sound Registry

Description	Register the audio files to be used for a ringtone. Up to 100 files can be registered.
Settings	• Sound Name: File name of the registered file. • File Attachment: Total of 100 files, and total length of approximately 200 seconds Supported file format - File format: .wav - Audio sample size: 16 bits - Audio sample rate: 8 kHz - Number of channels: One (monaural)
Default values	-

How to register an audio file

1) Click Browse at the end of the row for the station for which the file is to be registered.

2) Select the audio file to register, and click Open.

3) The file name of the selected file will be shown in "Sound Name."
The name of the sound will be shown when configuring a ringtone.

4) When done, click Update.

5) Click OK.

Point

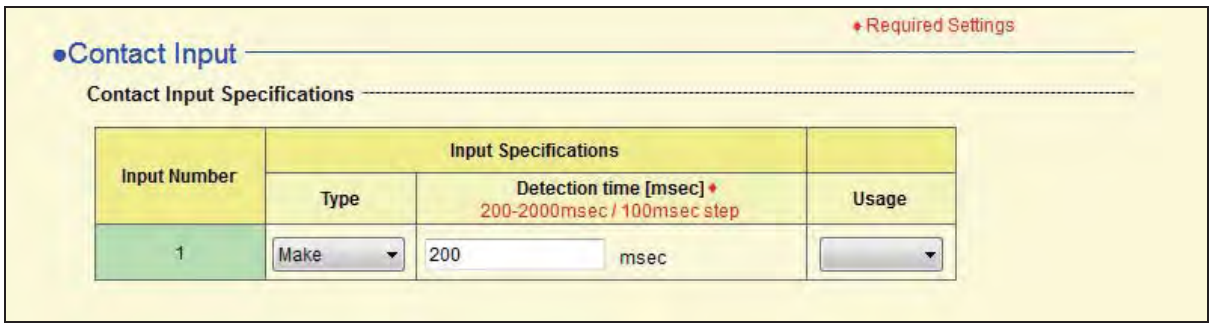
- When using the file for a ringback tone, a ringtone, or a network camera event tone, set up the silent time for the source.
- To delete a registered audio file, check the file and click Update. The file will be deleted after the unit is updated.
- A DVD-ROM with sample files is included in the package for Master Station. Use the files in it as audio source.

4. Contact / Audio Output Settings

4.1. Contact Input

Configure the settings for Contact Input of each station.

4.1.1. Contact Input Specifications



■ Type

Description	Set the type of general input for each station.
Settings	• Make (N/O) • Break (N/C)
Default values	Make

■ Detection time [msec] ♦

Description	Set the detection time of contact input for each station.
Settings	200-2000 msec (by 100 msec)
Default values	200 msec

■ Usage

Description	Set the usage of contact input for each station.
Settings	• Blank: Not used • Call: A call will be originated when a contact input comes in.
Default values	Blank
Remarks	When set to "Call," configure "6.2. Contact Input Call" ➤ P.249.

4.2. Output Specifications

Configure the settings for output specifications of each station.

4.2.1. Relay Output Specifications

■ Output Time [msec / sec] ♦

Description	Set the output time of the relay output for each station. The entry is identical to "■Output Time [msec / sec] ♦" ➤ **P.248**. When the setting is changed, "■Output Time [msec / sec] ♦" ➤ **P.248** will be changed as well.
Settings	• 0 (Momentary): Delivers output while Master Station presses "Door Release" button. • 200-2000 msec (by 200 msec) • 3-300 sec (by 1 sec)
Default values	200-2000 msec, 400 msec

■ Usage

Description	Set the usage of relay output for each station. The entry is identical to "■Usage" ➤ **P.248**. When the setting is changed, "■Usage" ➤ **P.248** will be changed as well.
Settings	• Blank: Not used • Door Release: Output to release the door. • Paging Control (Door Station only): Output while paging. Regardless of "■Output time" setting, the output is active for the duration of paging audio. • Contact Input Call / Communication State (Door Station only): Delivers output during a call or communication triggered by the contact input.
Default values	Blank

Point

If "New System" is chosen from "Login and registration of the station," the settings for "■Usage" will be "Door Release" when "Automatically configure door release for all stations?" is enabled.

4.2.2. Audio Output Specifications (Door Station only)

■ Audio Output

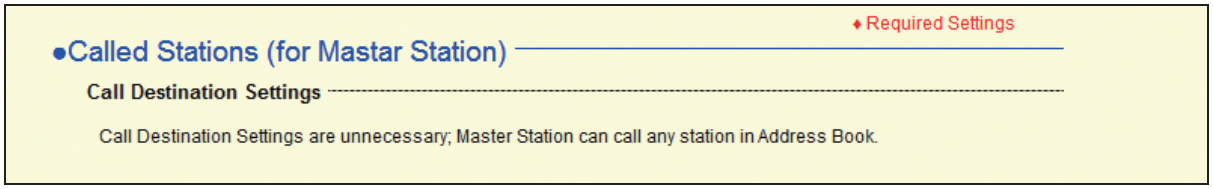
Description	Set how audio is to be delivered. The entry is identical to "■Paging Audio Output (same as Contact / Audio Output Settings)" ➤ P.257. When the setting is changed, "■Paging Audio Output (same as Contact / Audio Output Settings)" ➤ P.257 will be changed as well.
Settings	• Built-in Speaker for communication and paging • Audio Output for communication and paging • Built-in Speaker for communication, Audio Output for paging
Default values	Built-in Speaker for communication and paging

5. Call Settings

5.1. Called Stations (for Master Station)

5.1.1. Call Destination Settings

A call destination does not have to be set up. Any station registered in the Address Book can be called.



5.2. Called Stations (for Door Station)

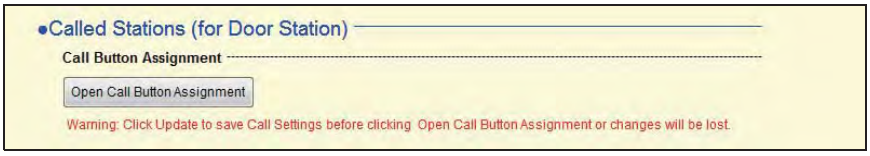
Configure the settings for Call Destination of Door Station.

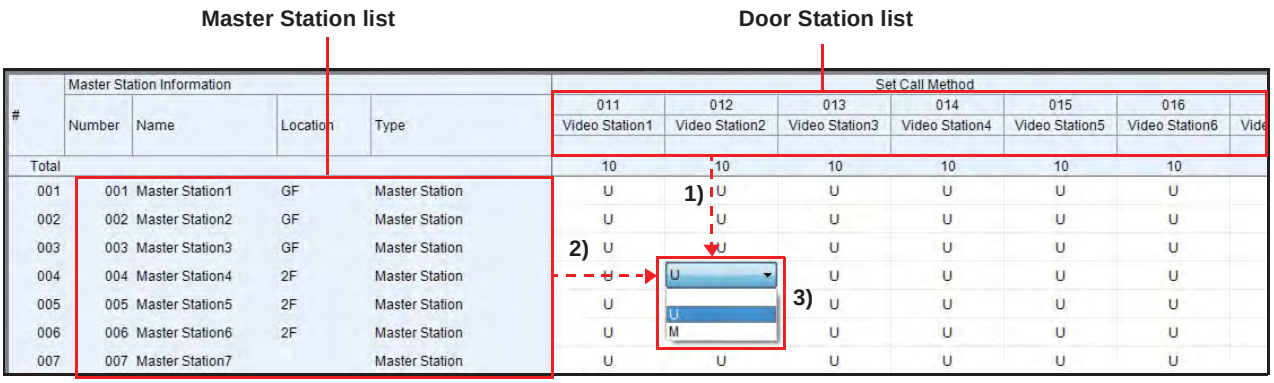
5.2.1. Call Button Assignment

Configure the stations to be called from Door Stations.

Select up to 20 Master Stations registered in the system.

Click Open Call Button Assignment, the "Called Stations" window will be shown.





How to select Call Destination

Register the Master Stations in the Master Station list for the call destination for each Door Station in the Door Station list.

1) Identify the Door Station to be configured using "Door Station list."

2) Identify the Master Station to be registered using "Master Station list."

3) Click the cells that correspond to **1)** and **2)**. As the pull-down menu appears, choose blank, "U," or "M."
Blank: The selected station will not be registered.
U: The station will be registered in the call destination. An outgoing call is transmitted as unicast.
M: Station will be registered in the call destination. Video is transmitted as multicast for an outgoing call. (Video Door Station only)

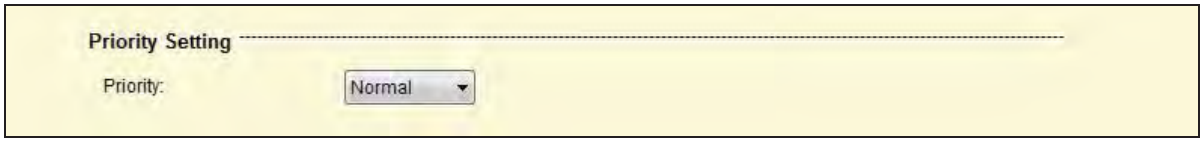
4) When done, click Update.

5) Click OK.

Point

"U" (Unicast) is the default setting.

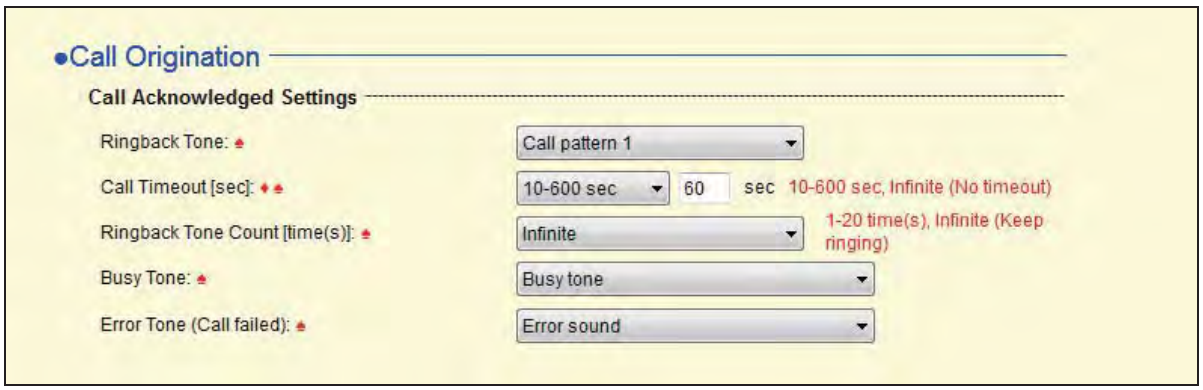
5.2.2. Priority Setting



■ Priority

Description	Set the priority of a call when Call button is pressed.
Settings	• Normal • Priority • Urgent
Default values	Normal

5.3. Call Origination (Door Station only)



5.3.1. Call Acknowledged Settings

■ Ringback Tone ♠

Description	Select the ringback tone (tone heard at calling station when a call is placed).
Settings	• Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.234
Default values	Call pattern 1

■ Call Timeout [sec] ♦♠

Description	Set the call timer for an outgoing call.
Settings	• 10-600 sec (by 1 sec) • Infinite: Ringing continues until the recipient responds
Default values	10-600 sec, 60 sec

■ Ringback Tone Count [time(s)] ♠

Description	Set the count of ringback tone.
Settings	• 1-20 times • Infinite: Ringback tone continues until the recipient responds.
Default values	Infinite

■ Busy tone ♠

Description	Select the tone that will be heard at the calling station when the called station is busy.
Settings	• Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.234
Default values	Busy tone

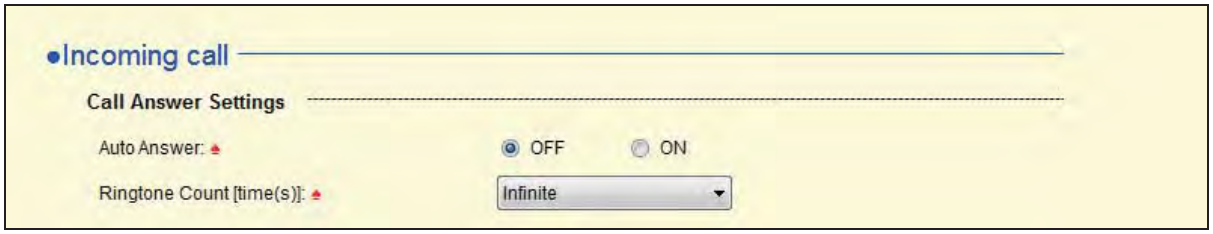
■ Error Tone (Call failed) ♠

Description	Select the tone that will be heard when a call fails.
Settings	• Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.234
Default values	Error sound

5.4. Incoming call (Master Station only)

Configure the settings for an incoming call.

5.4.1. Call Answer Settings



■ Auto Answer ♠

Description	Set auto answer feature for an incoming individual call. Auto answer: When a call comes in, it is automatically connected.
Settings	• ON • OFF
Default values	OFF

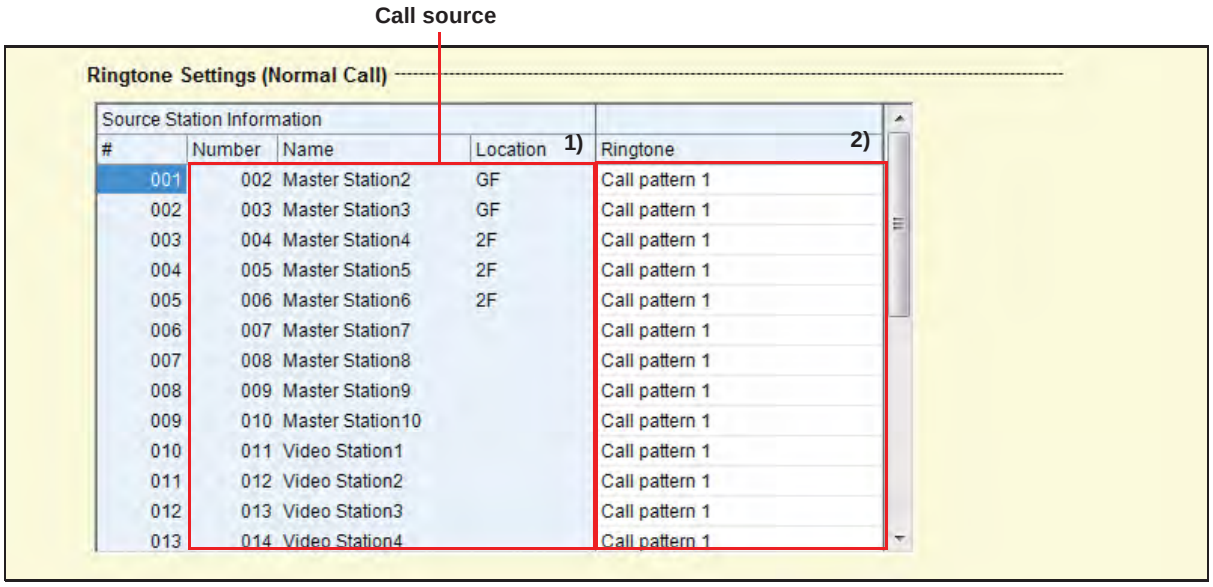
■ Ringtone Count [time(s)] ♠

Description	Set the ringtone count for an incoming call.
Settings	• Infinite: Ringtone continues until the recipient responds or the call ends. • 1-20 times
Default values	Infinite

5.4.2. Ringtone Settings (Normal Call)

Set the ringtone for an incoming call when the unit is operated.

Set a different ringtone for each source.



#	Number	Name	Location	Ringtone
001	002	Master Station2	GF	Call pattern 1
002	003	Master Station3	GF	Call pattern 1
003	004	Master Station4	2F	Call pattern 1
004	005	Master Station5	2F	Call pattern 1
005	006	Master Station6	2F	Call pattern 1
006	007	Master Station7		Call pattern 1
007	008	Master Station8		Call pattern 1
008	009	Master Station9		Call pattern 1
009	010	Master Station10		Call pattern 1
010	011	Video Station1		Call pattern 1
011	012	Video Station2		Call pattern 1
012	013	Video Station3		Call pattern 1
013	014	Video Station4		Call pattern 1

How to configure the ringtone

1) Identify the station to be registered in "Call source."

2) Choose a ringtone from "Ringtone."
Call Patterns 1 through 6, Tremolo sound, Busy tone, On-hold tone, Operation sound, Error sound, and Sound registered in "3.4. Custom Sound Registry" ➤ P.234

3) When done, click Update.

4) Click OK.

Point

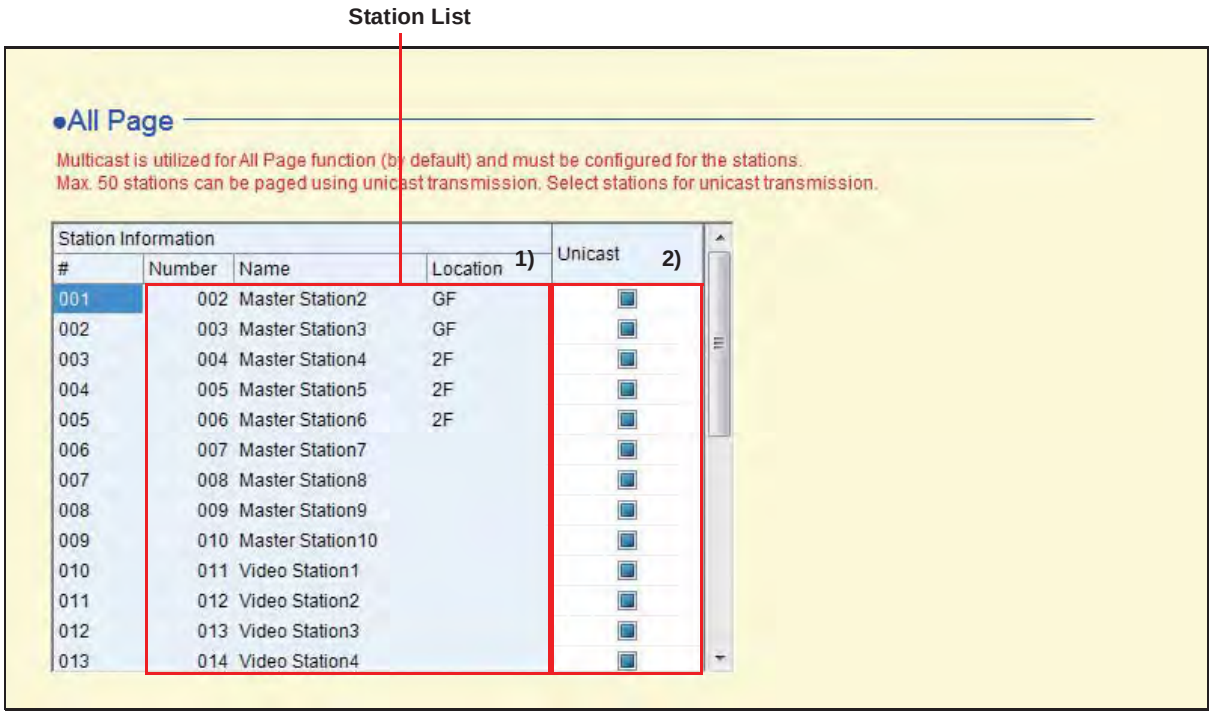
"Call Pattern 1" is the default setting.

5.5. All Page

When paging all stations, the default setting is multicast. When paging the stations in unicast is required, configure the following settings.

Unicast can transmit up to 50 stations.

When paging stations in multicast, configure "2.4. Multicast Address" ➤ P.210.



How to configure

1) Identify the station to be configured from "Station list."

2) Check ☐ of "Unicast."

- Checked ☑: Unicast transmission
- Unchecked ☐: Multicast transmission

3) When done, click Update.

4) Click OK.

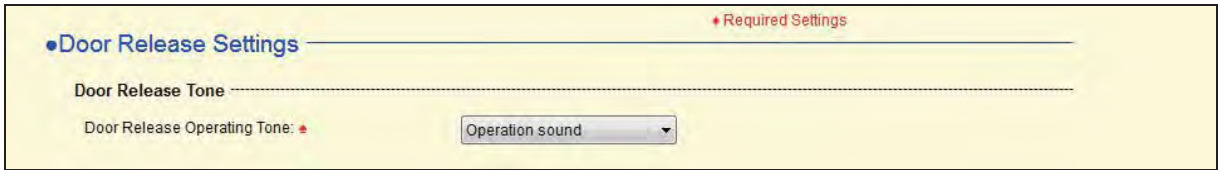
Point

☐ (multicast) is the default setting.

6. Function Settings

6.1. Door Release Settings

6.1.1. Door Release Tone (Door Station only)



■ Door Release Operating Tone ♠

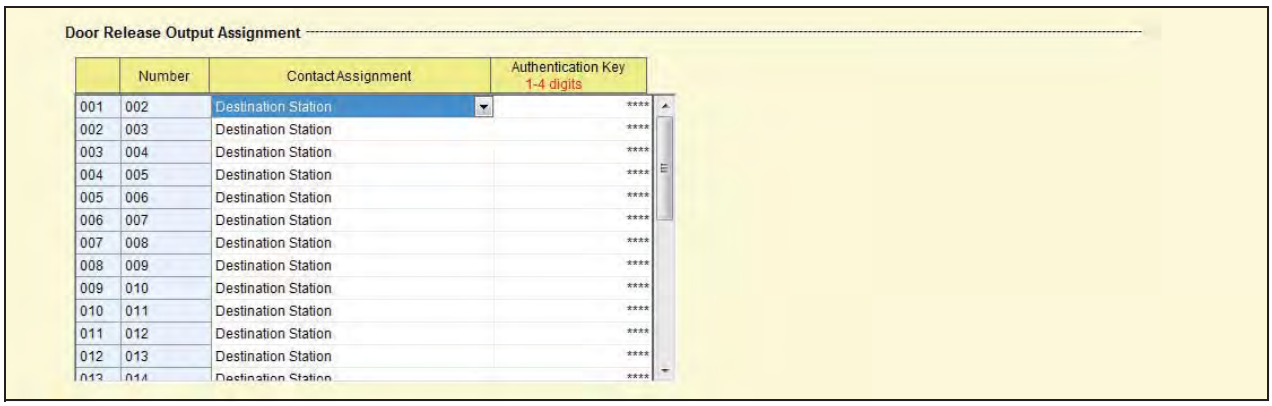
Description	Set the tone which comes out of the station when the door is released.
Settings	• None • Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.234
Default values	Operation sound

6.1.2. Door Release Authorization

■ Authentication Key ♠

Description	Set the authentication key to authenticate the release of the door. Authentication key: When this matches the key of the station, the release will be permitted.
Settings	1-4 digits
Default values	-

6.1.3. Door Release Output Assignment



■ Contact Assignment

Description	Set which door is to be released when a user tries to release a door for an outgoing or incoming call or during monitoring.
Settings	• Originating Station: Door connected to the originating station is released. • Destination Station: Door connected to this is released.
Default values	Destination Station

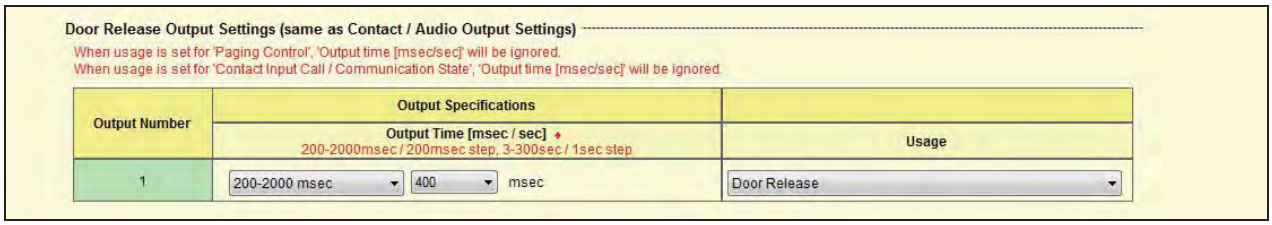
■ Authentication Key

Description	When "Destination Station" is chosen in "■Contact Assignment," set the authentication key to be used when releasing the door. This should match the authentication key of the destination station.
Settings	1-4 digits
Default values	****

Point

- "Authentication Key" will be displayed as "****" on the screen.
- If "New System" is chosen from "Login and registration of the station," the settings for "■Authentication Key" will generate a random string of four letters and assign this when "Automatically configure door release for all stations?" is enabled.

6.1.4. Door Release Output Settings (same as Contact / Audio Output Settings)



■ Output Time [msec / sec] ♦

Description	Set the output time of the relay output for each station. The entry is identical to "■Output Time [msec / sec] ♦" ➤ **P.237**. When the setting is changed, "■Output Time [msec / sec] ♦" ➤ **P.237** will be changed as well.
Settings	• 0 (Momentary): Delivers output while Master Station presses "Door Release" button. • 200-2000 msec (by 200 msec) • 3-300 sec (by 1 sec)
Default values	200-2000 msec, 400 msec

■ Usage

Description	Set the usage of relay output for each station. The entry is identical to "■Usage" ➤ **P.237**. When the setting is changed, "■Usage" ➤ **P.237** will be changed as well.
Settings	Blank: Not used • Door Release • Paging control (Door Station only): Output while paging. Regardless of "■Output time" setting, the output is active for the duration of paging audio. • Contact Input Call / Communication State (Door Station only): Delivers output during a call or communication triggered by the contact input.
Default values	Blank

Point

If "New System" is chosen from "Login and registration of the station," the settings for "■Usage" will be "Door Release" when "Automatically configure door release for all stations?" is enabled.

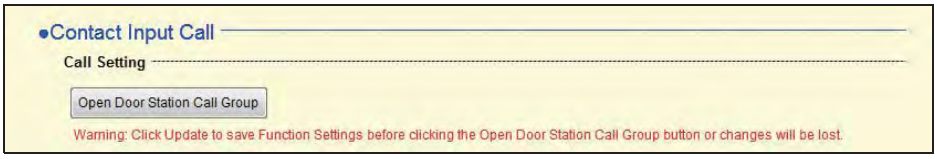
6.2. Contact Input Call

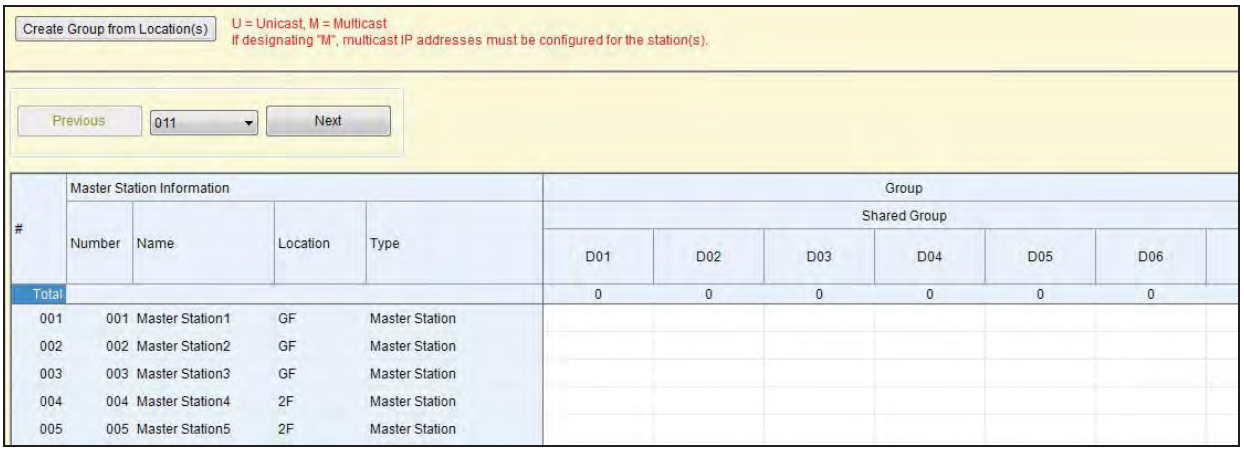
Configure the settings for a call when a Contact Input Call is made.

When choosing "Call," configure "■Usage" ➤ P.236.

6.2.1. Call Setting (Door Station only)

Click Open Door Station Call Group, the "Door Station Call Group" window will be shown.

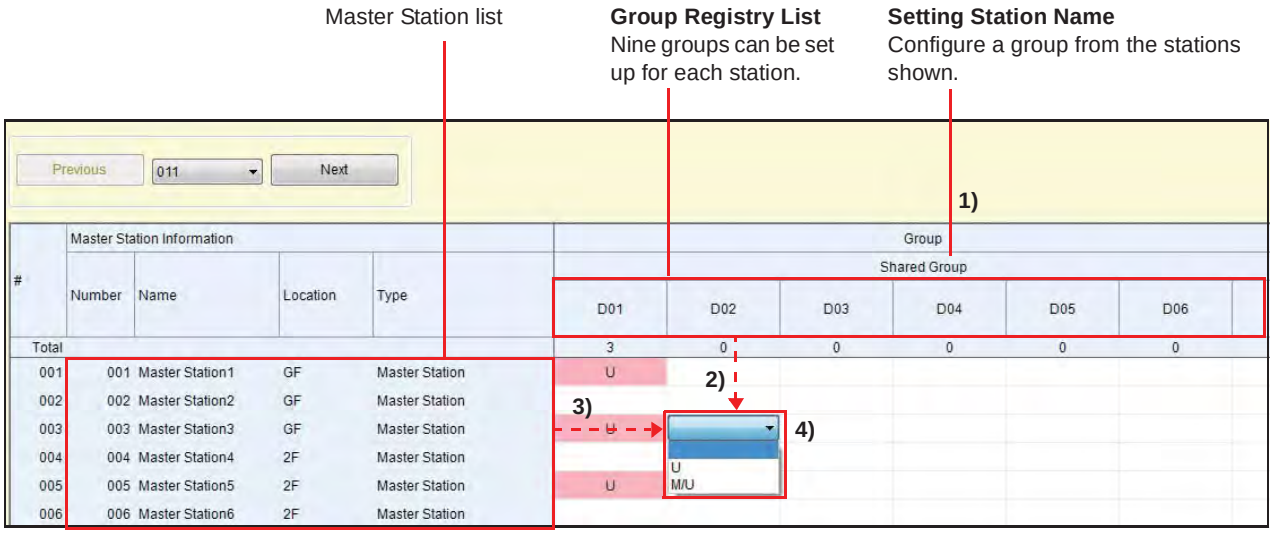




■ How to create a Called Station Group

● Shared Called Group Settings

A group registered in the shared group settings will be applied to all Master Stations.



1) Verify that the "Shared Group" table is shown.
If "Shared Group" is not visible, scroll the screen all the way to the left.

2) Identify the called group to be configured in "Group Registry List."

3) Identify the station to be registered in the group in "Master Station list."

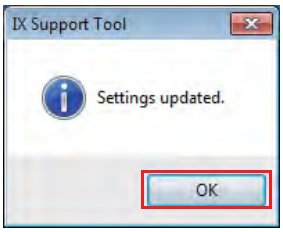
4) Click the cells that correspond to **2)** and **3)**. As the pull-down menu appears, choose blank, "U," or "M/U."

- Blank: The selected station will not be registered.
- U: Station will be registered in the group. A call is transmitted in unicast transmission.
- M/U: Station will be registered in the group. When called, Video Door Station is transmitted in multicast and Audio Only Door Station in unicast.

5) When done, click Update.

- When clicking Update, the data entered in the shared called group will be registered to each Master Station, and will be removed from the shared called group section.

6) Click OK.



Point

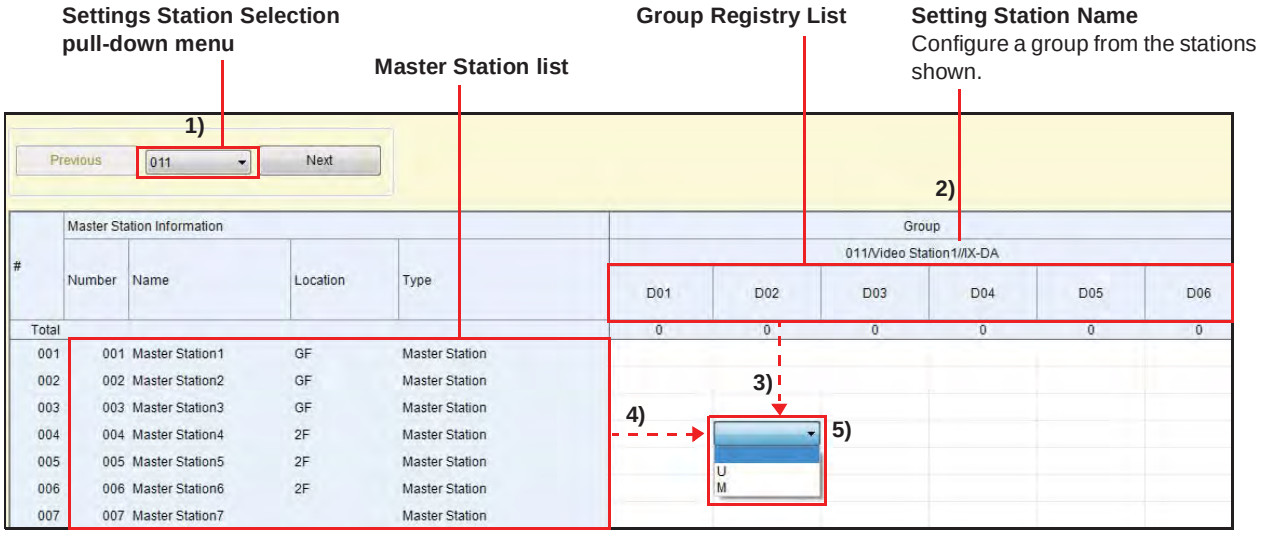
- No group is registered in the default settings.
- Register up to nine groups for each station. For each group, register up to 20 Master Stations.
- When choosing "M/U," configure "2.4. Multicast Address" ➤ P.210.

Important

If using Shared Group settings, use a set of numbers different from the one used for the Shared Group for each station.

● Individual Settings

Configure the group to be registered in each station.



1) Select the station number to be configured from Settings Station Selection pull-down menu.
- The station preceding and following the station selected will be shown.
  For example, if "003" is selected, "002," "003," and "004" groups are shown.

2) Scroll to the right using the scroll bar at the bottom of the screen to show the settings station to be configured.

3) Identify the group to be configured in "Group Registry List."

4) Identify the station to be registered in the group in "Master Station list."

5) Click the cells that correspond to **3)** and **4)**. As the pull-down menu appears, choose blank, "U," or "M."

- Blank: The selected station will not be registered.
- U: Station will be registered in the group. A call is transmitted as unicast.
- M: Station will be registered in the group. Video is transmitted as multicast. (Video Door Station only)

6) When done, click Update.

7) Click OK.

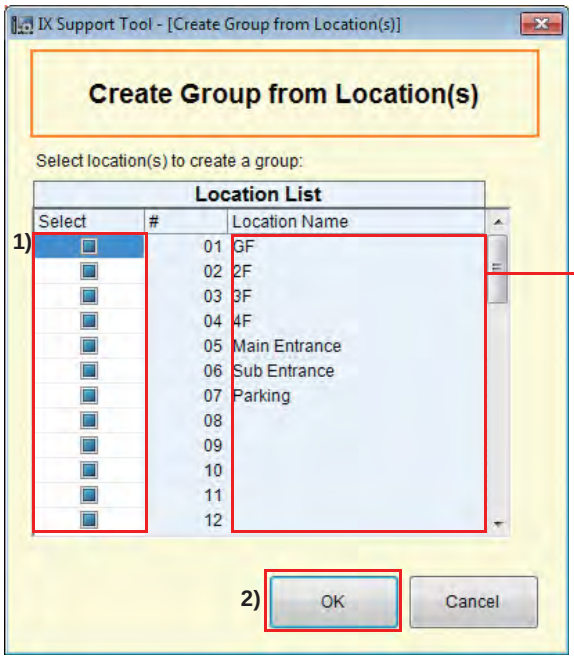
Point

- No group is registered in the default settings.
- Register up to nine groups for each station. For each group, register up to 20 Master Stations.
- When choosing "M," configure "Multicast Address" in "Network Settings."

■ Create Group from Location(s)

Create a group with the stations configured for an identical location.

Click [Create Group from Location(s)], the following window will be shown.



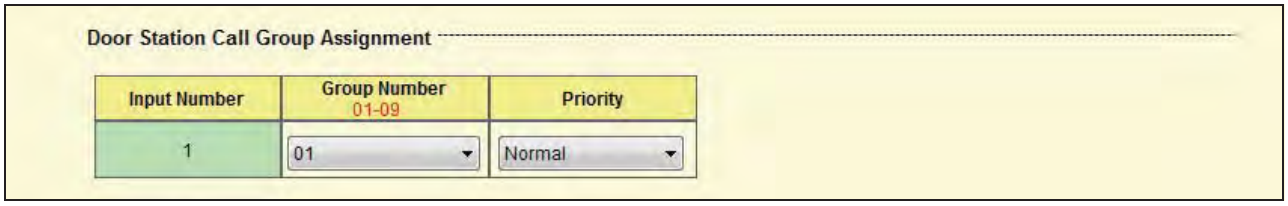
The locations registered in "1.1.2. Location Registry" ➤ **P.111** will be shown.

1) Check the check box of the location for which a group is to be created.

2) Click [OK].

- A group of the stations which belong to the selected location will be registered in the shared group with a serial number and smaller figures.
- For further steps, refer to "●Shared Called Group Settings" ➤ **P.250**.

6.2.2. Door Station Call Group Assignment (Door Station only)



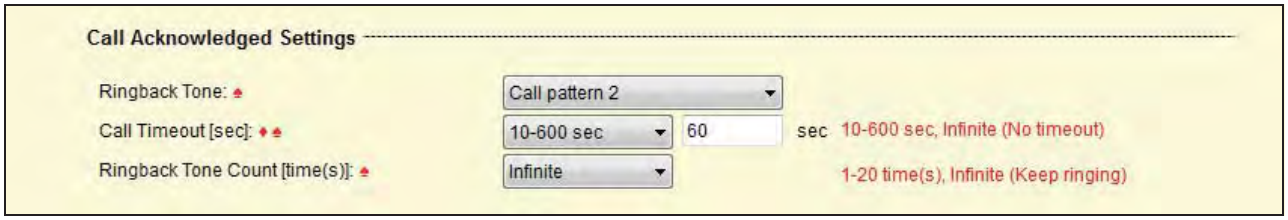
■ Group Number

Description	Set the group number of the group to be called when a contact input is triggered on the Door Stations. Create a Group in "6.2.6. Door Station Group List (Door Station only)" ➤ P.169.
Settings	01-09
Default values	01

■ Priority

Description	Set the priority of the call when a contact input is triggered on the Door Stations.
Settings	• Normal • Priority • Urgent
Default values	Normal

6.2.3. Call Acknowledged Settings



■ Ringback Tone ♠ (Door Station only)

Description	Select the Ringback tone when a Contact Input is triggered on the Door Station.
Settings	• Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.234
Default values	Call pattern 2

■ Call Timeout [sec] ♦♠

Description	Set the call ring timer for a contact input call.
Settings	• 10-600 sec (by 1 sec) • Infinite: Ringing continues until the caller stops or the recipient responds.
Default values	10-600 sec, 60 sec

■ Ringback Tone Count [time(s)] ♠ (Door Station only)

Description	Set the count of ringback tone.
Settings	• Infinite: Ringing continues until the recipient responds • 1-20 times
Default values	Infinite

6.2.4. Master Station Call Group Assignment (Master Station only)

■ Group Number

Description	Set the group number of the group to be called when a contact input is triggered on the Master Station. Enter the group number directly, or click Open Group List to choose a group. Create a group in "6.2.5. Master Station Group List (Master Station only)" ➤ P.168.
Settings	01-99
Default values	-

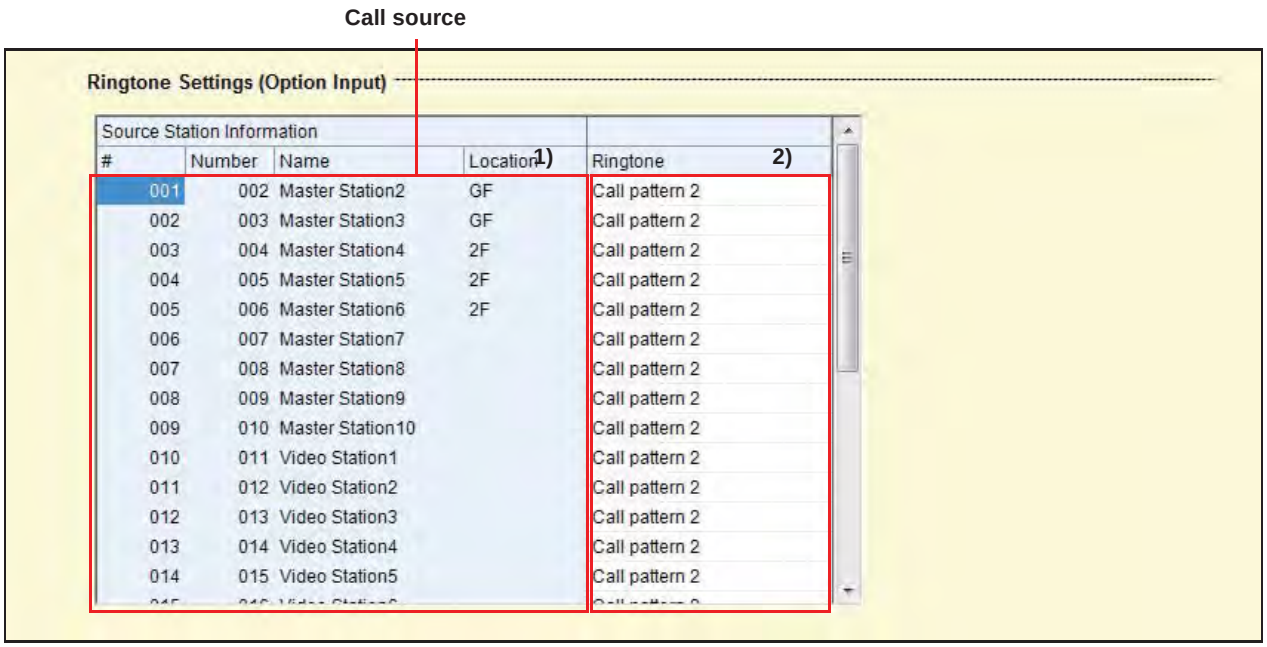
■ Priority

Description	Set the priority of the call when a contact input is triggered on the Master Station.
Settings	• Normal • Priority • Urgent
Default values	Normal

6.2.5. Ringtone Settings (Option Input)

Select the ringtone for an incoming contact input call.

Set a different ringtone for each source.



How to configure the ringtone

1) Identify the station to be registered in "Call source."

2) Choose a ringtone from "Ringtone."
Call Patterns 1 through 6, Tremolo sound, Busy tone, On-hold tone, Operation sound, Error sound, and Sound registered in "3.4. Custom Sound Registry" ➤ P.234

3) When done, click Update.

4) Click OK.

Point

"Call Pattern 2" is the default setting.

6.3. Paging Settings

6.3.1. Paging Pretone Setting

■ Pretone ♠

Description	Choose to enable/disable the Pretone function when the station is paged.
Settings	• ON • OFF
Default values	ON

6.3.2. Paging Time Setting (Master Station only)

■ Paging Timeout [sec] ♦♠

Description	Set maximum time for a page.
Settings	10-600 sec (by 1 sec)
Default values	30 sec

6.3.3. Paging Output Setting (Door Station only)

■ Paging Audio Output (same as Contact / Audio Output Settings)

Description	Set how audio is to be delivered. The entry is identical to "■Audio Output" ➤ **P.238** and "■Paging Audio Output (same as Contact / Audio Output Settings)" ➤ **P.258**. When the setting is changed, "■Audio Output" ➤ **P.238** and "■Paging Audio Output (same as Contact / Audio Output Settings)" ➤ **P.258** will be changed as well.
Settings	• Built-in Speaker for communication and paging • Audio Output for communication and paging • Built-in Speaker for communication, Audio Output for paging
Default values	Built-in Speaker for communication and paging

6.4. Paging Output Setting (Door Station only)

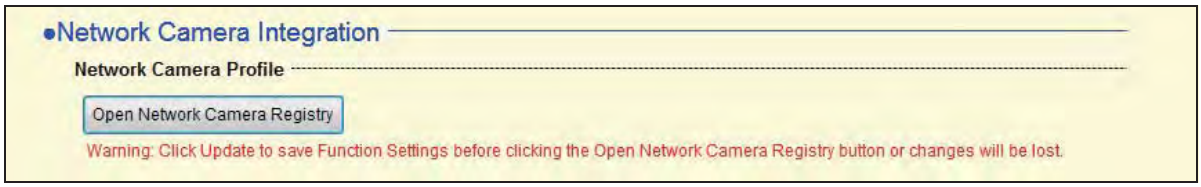
6.4.1. Paging Audio Output (same as Contact / Audio Output Settings)

■ Paging Audio Output (same as Contact / Audio Output Settings)

Description	The entry is identical to "■Audio Output" ➤ **P.238** and "■Paging Audio Output (same as Contact / Audio Output Settings)" ➤ **P.257**. The settings configured in "■Audio Output" ➤ **P.238** and "■Paging Audio Output (same as Contact / Audio Output Settings)" ➤ **P.257** will be shown.
Settings	• Built-in Speaker for communication and paging • Audio Output for communication and paging • Built-in Speaker for communication, Audio Output for paging
Default values	Built-in Speaker for communication and paging

6.5. Network Camera Integration (Master Station only)

6.5.1. Network Camera Profile



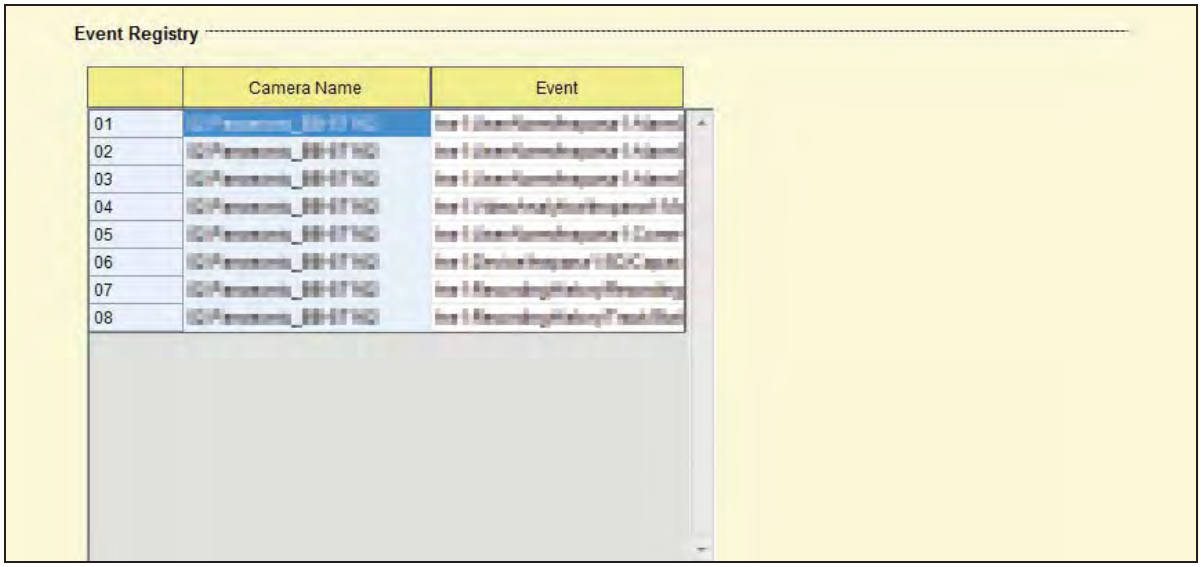
■ Network Camera Registry

For how to register a network camera, refer to "3.2.2. Network Camera List" ➤ P.224.

6.5.2. Event Registry

Register the events from the network cameras. When an event is received, the event tone will sound and monitoring is started.

To configure the settings, register a network camera in "■Network Camera Registry" ➤ P.138.



■ Camera Name

Description	Select the network camera for which an event is to be registered. This is enabled when a network camera is registered in "3.2.2. Network Camera List" ➤ P.224.
Settings	-
Default values	-

■ Event

Description	Select the content of the event for the network cameras. This is enabled when a network camera is registered in"3.2.2. Network Camera List" ➤ P.224 and the event information can be obtained from it. The Event is automatically obtained when a camera is registered in the network camera list. For details of the Event, refer to the manual of the network camera.
Settings	-
Default values	-

■ Network Camera Event Tone ♠

Description	Select the event tone for the network cameras.
Settings	• Call pattern 1 • Call pattern 2 • Call pattern 3 • Call pattern 4 • Call pattern 5 • Call pattern 6 • Tremolo sound • Busy tone • On-hold tone • Operation sound • Error sound • Sound registered in "3.4. Custom Sound Registry" ➤ P.234
Default values	Call pattern 3

■ Event Tone Count [time(s)] ♠

Description	Set the Event Tone Count for the network cameras.
Settings	• Infinite: Ringing continues until the event is terminated. • 1-20 times
Default values	1

6.6. E-mail Settings

Configure this section when e-mail notification of station operation is required.

When configuring this section, also configure "2.2. DNS" ➤ P.209.

6.6.1. Server Settings

■ SMTP Server ♠

Description	Set the SMTP server. When choosing IPv4 address, enter IP address or the host name. When choosing IPv6 address, enter the host name.
Settings	1-255 alphanumeric characters
Default values	-

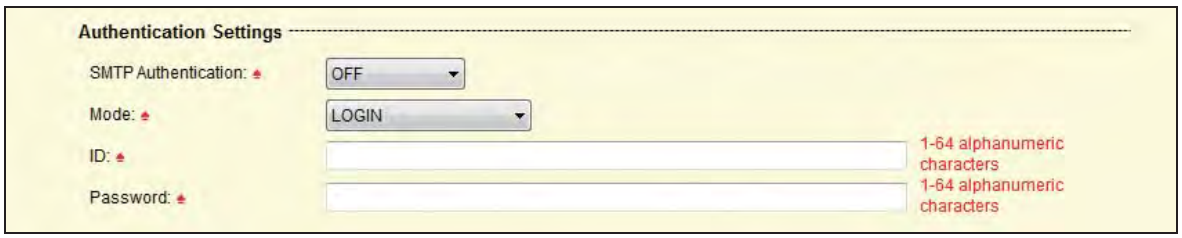
■ SMTP Port ♦♠

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

■ SMTP Encryption ♠

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

6.6.2. Authentication Settings



■ SMTP Authentication ♠

Description	Enable SMTP authentication.
Settings	• OFF • ON
Default values	OFF

■ Mode ♠

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

■ ID ♠

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

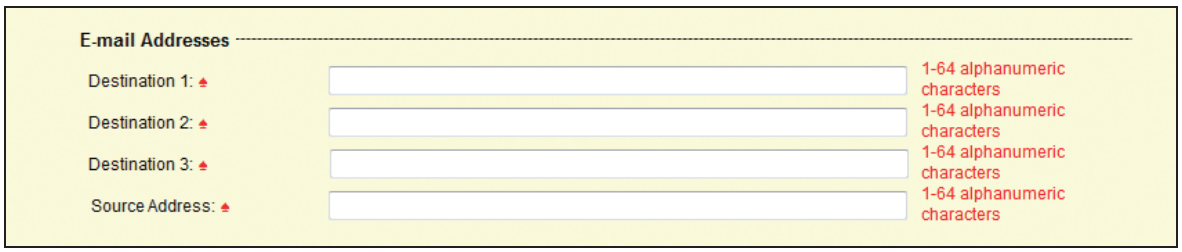
■ Password ♠

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

Point

"■Password" will be displayed as "*****" on the screen.

6.6.3. E-mail Addresses



■ Destination 1 ♠

Description	Set the e-mail address.
Settings	1-64 alphanumeric characters
Default values	-

■ Destination 2 ♠

Description	Set the e-mail address.
Settings	1-64 alphanumeric characters
Default values	-

■ Destination 3 ♠

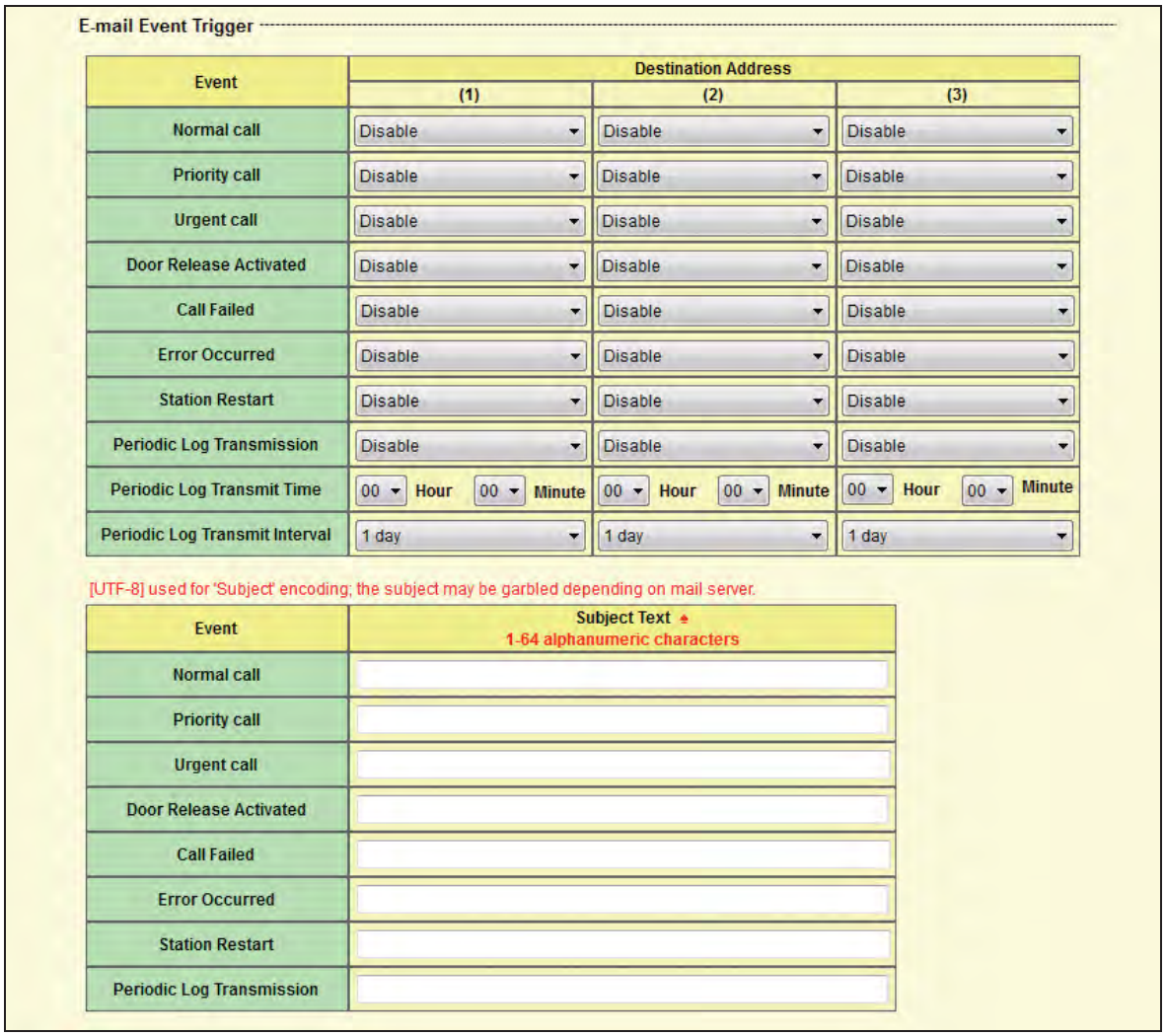
Description	Set the e-mail address.
Settings	1-64 alphanumeric characters
Default values	-

■ Source Address ♠

Description	Set the source e-mail address.
Settings	1-64 alphanumeric characters
Default values	-

6.6.4. E-mail Event Trigger

Set the e-mail event trigger which initiates a message sending process. Configure the e-mail event trigger for each Destination Address.



■ Normal call

Description	An e-mail message will be sent when a normal call is made.
Settings	• Enable • Disable
Default values	Disable

■ Priority call

Description	An e-mail message will be sent when a priority call is made.
Settings	• Enable • Disable
Default values	Disable

■ Urgent call

Description	An e-mail message will be sent when an urgent call is made.
Settings	• Enable • Disable
Default values	Disable

■ Door Release Activated (Master Station only)

Description	An e-mail message will be sent when the door is released.
Settings	• Enable • Disable
Default values	Disable

■ Call Failed

Description	An e-mail message will be sent when a call fails.
Settings	• Enable • Disable
Default values	Disable

■ Error Occurred

Description	An e-mail message will be sent when a data communication error occurs.
Settings	• Enable • Disable
Default values	Disable

■ Station Restart

Description	An e-mail message will be sent when the station is restarted.
Settings	• Enable • Disable
Default values	Disable

■ Periodic Log Transmission

Description	System log will be regularly sent via e-mail.
Settings	• Enable • Disable
Default values	Disable

■ Periodic Log Transmit Time

Description	Set when to send out the log via e-mail.
Settings	00:00-23:59
Default values	00:00

■ Periodic Log Transmit Interval

Description	Set how often the log will be sent via e-mail.
Settings	Every 1-7 days
Default values	1 day

■ Subject Text

Description	Set the subject text of e-mail message for each trigger.
Settings	1-64 alphanumeric characters
Default values	-

Caution

UTF-8 encoding is used for the "Subject Text." Depending on the e-mail client, the characters may appear incorrectly.

6.6.5. Additional Settings (Video Door Station only)

■ Attach Image ♠

Description	Choose to attach an image file captured with Video Door Station camera to the e-mail message when a Normal/Priority/Urgent call triggers "6.6.4. E-mail Event Trigger" ➤ P.264.
Settings	• Enable • Disable
Default values	Disable

■ Attachment Image Filename ♠

Description	Set the name of the image file when "■Attach Image" is enabled.
Settings	1-64 alphanumeric characters
Default values	-

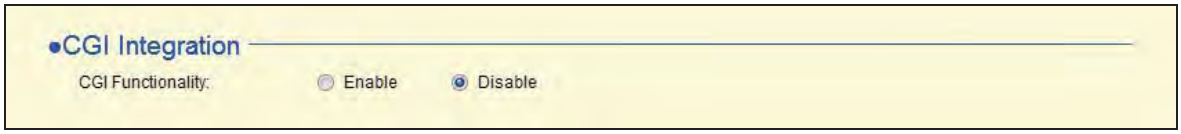
Caution

UTF-8 encoding is used for the "■Attachment Image Filename." Depending on the e-mail client, the characters may appear incorrectly.

6.7. CGI Integration

CGI integration allows 3rd party hardware / software to control basic functionality of the IX devices.

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



■ CGI Functionality

Description	Enable CGI functionality.
Settings	• Enable • Disable
Default values	Disable

6.8. SIF Integration

SIF protocol allows event data to be sent directly to 3rd party hardware / software.

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

■ SIF Functionality

Description	Enable SIF functionality.
Settings	• Enable • Disable
Default values	Disable

6.8.1. SIF Communication Settings (sif.ini)

Description	Upload/Download SIF communication settings. Upload:Click Browse, select a file, and click Upload. Download:Click Download to save the file.
Settings	-
Default values	-

6.8.2. SIF Parameter Settings (sif_conf.ini)

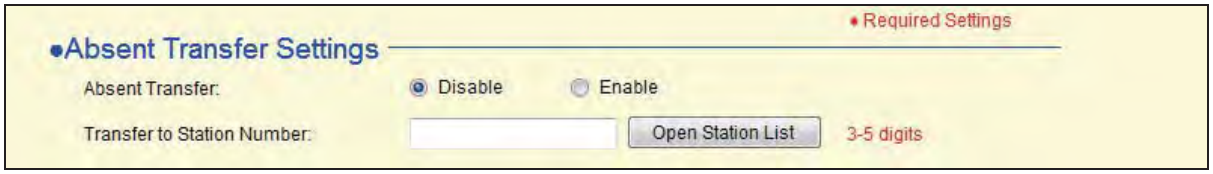
Description	Upload/Download SIF parameter settings. Upload:Click Browse, select a file, and click Upload. Download:Click Download to save the file.
Settings	-
Default values	-

7. Transfer Schedule

7.1. Absent Transfer Settings (Master Station only)

Configure the settings for absent transfer.

Absent transfer: A call can be automatically transferred to another station when absent.



■ Absent Transfer

Description	Enable absent transfer feature. If "■Transfer Destination," is not set, this feature cannot be enabled. Change the settings by pressing "Transfer" button on Master Station.
Settings	• Disable • Enable
Default values	Disable

■ Transfer to Station Number

Description	Set the transfer destination. Enter the station number, or click Open Station List to choose one.
Settings	3-5 digits
Default values	-

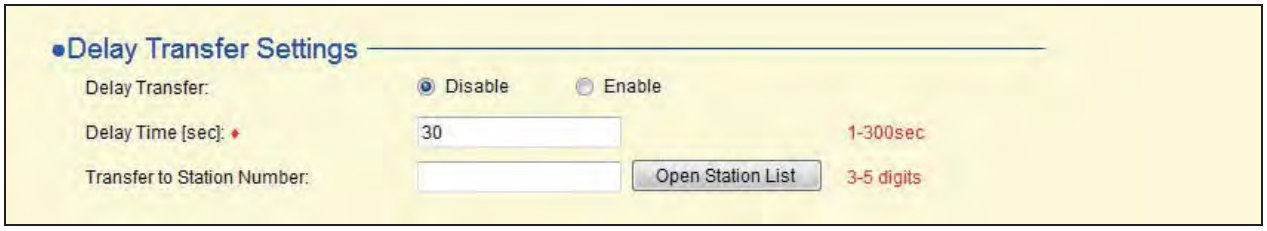
Caution

The "Transfer to Station Number" can be set to a door station, however only an individual master to master call can be transferred. Door station calls cannot be transferred to another door station.

7.2. Delay Transfer Settings (Master Station only)

Configure the settings for delay transfer.

Delay transfer: A call can be automatically transferred to another station after a certain period of time (delay time) elapses.



■ Delay Transfer

Description	Enable delay transfer feature. If "■Transfer Destination," is not set, this feature cannot be enabled.
Settings	• Disable • Enable
Default values	Disable

■ Delay Time [sec] ♦

Description	Set the delay time for transferring a call when delay transfer is enabled.
Settings	1-300 sec (by 1 sec)
Default values	30 sec

■ Transfer to Station Number

Description	Set the destination station (station number) for a delayed transfer. Enter the station number, or click Open Station List to choose one.
Settings	3-5 digits
Default values	-

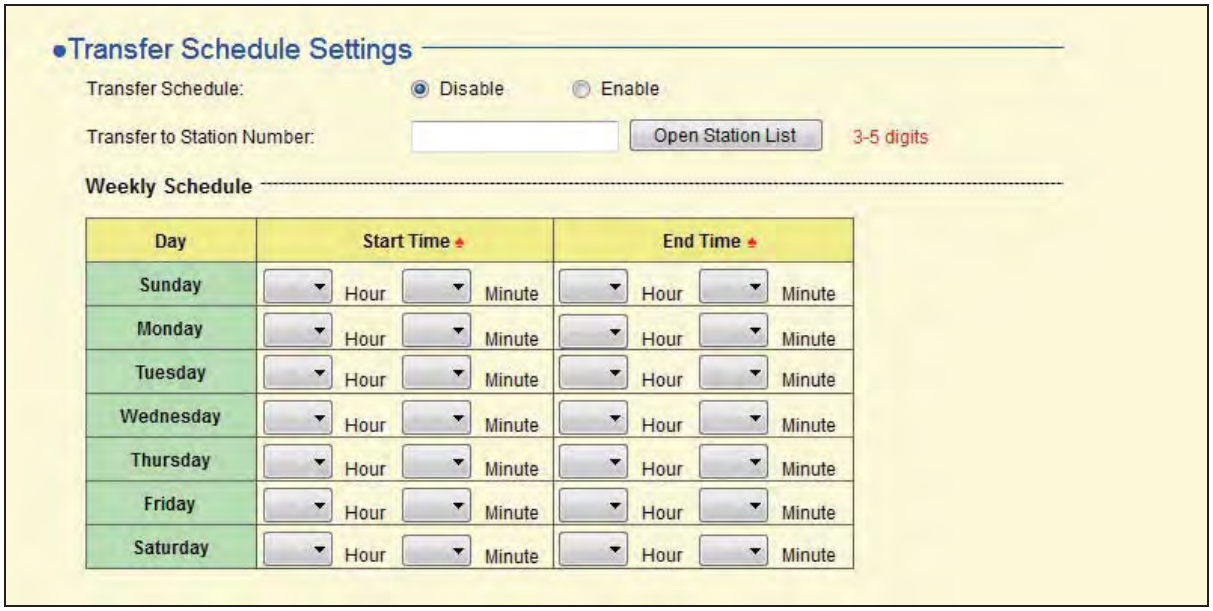
Caution

The "Transfer to Station Number" can be set to a door station, however only an individual master to master call can be transferred. Door station calls cannot be transferred to another door station.

7.3. Transfer Schedule Settings (Master Station only)

Configure the settings for transfer schedule.

Transfer schedule: A call can be automatically transferred to another station when a call comes in during the time period set up in the weekly schedule.



■ Transfer Schedule

Description	Enable transfer schedule feature. If "■Transfer Destination," is not set, this feature cannot be enabled.
Settings	• Disable • Enable
Default values	Disable

■ Transfer to Station Number

Description	Set the destination station (station number) for a scheduled transfer. Enter the station number, or click Open Station List to choose one.
Settings	3-5 digits
Default values	-

Caution

The "Transfer to Station Number" can be set to a door station, however only an individual master to master call can be transferred. Door station calls cannot be transferred to another door station.

7.3.1. Weekly Schedule

■ From Sunday through Saturday

Description	Set the schedule for transfer schedule feature. A call is transferred when placed during this time.
Settings	Each day of the week 00:00-23:59 * Depending on how the time is chosen, the time period may cover two days of the week. Example:Monday 22:00-8:00 This means the transferring is enabled for the time period between 22:00 Monday and 8:00 Tuesday.
Default values	-

8. Station Hardware Settings

8.1. Speed Dial Button Settings (Master Station only)

8.1.1. Destination Assignment

Configure the settings for Speed Dial buttons of Master Station.

■ Mode Selection

Description	Select the calling mode to be assigned to each Speed Dial button.
Settings	• Blank: Not used • Group call • Individual Call • Group page • All Page
Default values	Blank

■ Group Number

Description	When selecting "Group call" or "Group page" in "■Mode Selection," a group number must be set. Enter the group number, or click Open Group List to choose one.
Settings	01-99
Default values	-

■ Station Number

Description	When selecting "Individual Call" in "■Mode Selection," a station number must be set. Enter the station number, or click Open Station List to choose one.
Settings	3-5 digits
Default values	-

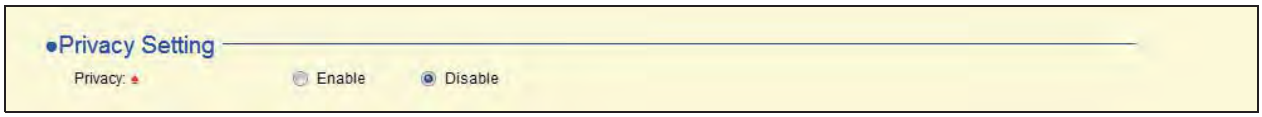
■ Priority

Description	Select the Priority to be assigned to each Speed Dial button.
Settings	• Normal • Priority (When selecting "Group page" or "All Page" in "■Mode Selection," this option cannot be selected.) • Urgent
Default values	-

8.2. Privacy Setting (Master Station only)

Configure the settings for privacy.

Privacy: This feature prevents outgoing audio from being heard when automatic answering feature is enabled.



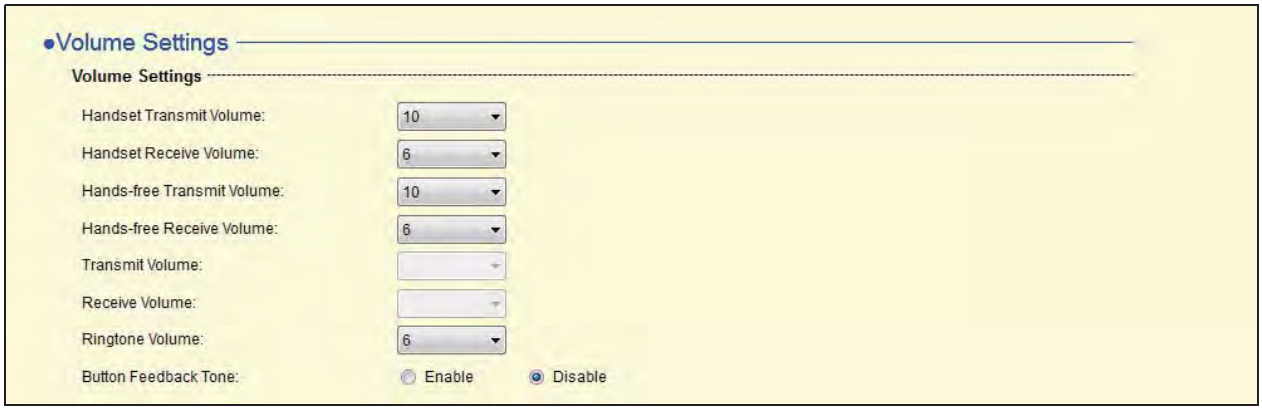
■ Privacy ♠

Description	Enable privacy. Change the settings by pressing "Privacy" button on Master Station.
Settings	• Enable • Disable
Default values	Disable

8.3. Volume Settings

8.3.1. Volume Settings

Configure the settings for Volume.



■ Handset Transmit Volume (Master Station only)

Description	Set the transmit volume of the handset for communication or paging.
Settings	1 (Low) - 10 (High)
Default values	10

■ Handset Receive Volume (Master Station only)

Description	Set the receive volume of the handset for communication.
Settings	1 (Low) - 10 (High)
Default values	6

■ Hands-free Transmit Volume (Master Station only)

Description	Set the hands-free transmit volume for communication or paging.
Settings	1 (Low) - 10 (High)
Default values	10

■ Hands-free Receive Volume (Master Station only)

Description	Set the hands-free receive volume for communication. The volume for ringback tone will be changed as well.
Settings	1 (Low) - 10 (High)
Default values	6

■ Transmit Volume (Door Station only)

Description	Set the audio volume for communication or monitoring.
Settings	1 (Low) - 10 (High)
Default values	10

■ Receive Volume (Door Station only)

Description	Set the receive volume for communication or paging. The volume for ringback tone will be changed as well.
Settings	1 (Low) - 10 (High)
Default values	10

■ Ringtone Volume

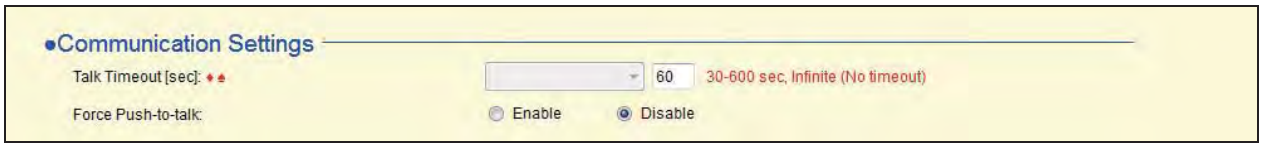
Description	Set the ringtone and pretone volume.
Settings	0 (Off), 1 (Low) - 10 (High)
Default values	Master Station: 6; Door Station: 10

■ Button Feedback Tone (Master Station only)

Description	Enable tone when a button is pressed. Disable tone when the "Ringtone Volume" is set "0".
Settings	• Enable • Disable
Default values	Disable

8.4. Communication Settings

Configure the settings for a call.



■ Talk Timeout [sec] ♦♠

Description	Set the talk timeout.
Settings	• Infinite (Door Station only): Communication continues until the communication is terminated. • 30-600 sec (by 1 sec)
Default values	60

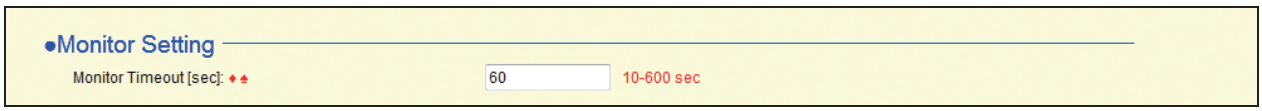
■ Force Push-to-talk (Master Station only)

Description	Enable the force push-to-talk feature.
Settings	• Enable • Disable
Default values	Disable

8.5. Monitor Setting (Master Station only)

Configure the settings for the monitor function.

Monitor function: Monitor video and audio of Door Stations, and a network camera from Master Station.

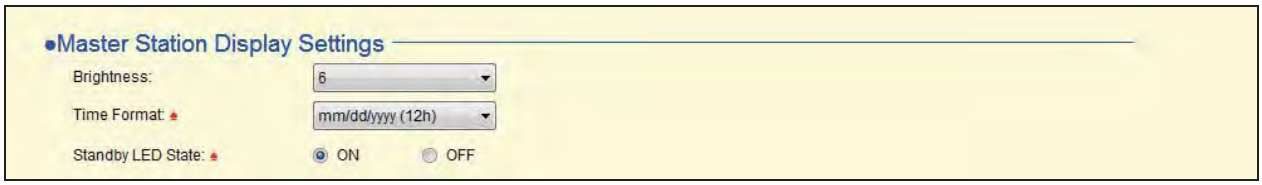


■ Monitor Timeout [sec] ♦♠

Description	Set the monitor timeout.
Settings	10-600 sec (by 1 sec)
Default values	60

8.6. Master Station Display Settings (Master Station only)

Configure the settings for Master Station display.



■ Brightness

Description	Set the brightness of the monitor.
Settings	1 (Dark) - 10 (Bright)
Default values	6

■ Time Format ♠

Description	Select the time format for the display on the station.
Settings	• mm/dd/yyyy (12h) • mm/dd/yyyy (24h) • dd/mm/yyyy (12h) • dd/mm/yyyy (24h) • yyyy/mm/dd (12h) • yyyy/mm/dd (24h)
Default values	mm/dd/yyyy (12h)

■ Standby LED State ♠

Description	Set to keep the Status indicator on while the station is in standby.
Settings	• ON • OFF
Default values	ON

8.7. Camera settings (Video Door Station only)

Configure the settings for Video Door Station camera.

8.7.1. Environmental Settings

■ Backlight Compensation Adjustment ♠

Description	Enable the backlight compensation adjustment. When "ADJUST" button of Master Station is pressed during a call or monitoring, the setting will be changed.
Settings	• Enable • Disable
Default values	Disable

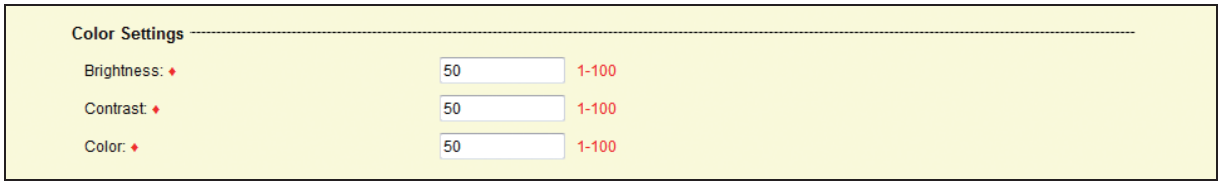
■ Low Light Sensitivity Adjustment ♠

Description	Enable the automatic low light sensitivity adjustment function when the ambient lighting is dark. When "ADJUST" button of Master Station is pressed during a call or monitoring, the setting will be changed.
Settings	• Enable • Disable
Default values	Disable

8.7.2. Color Settings

Caution

If these settings are changed while video is displayed, the changes will not be reflected until the video is accessed again.



■ Brightness ♦

Description	Set the brightness of the picture.
Settings	1 (Dark) to 100 (Bright)
Default values	50

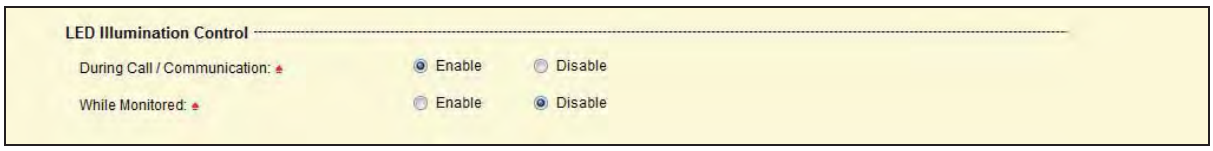
■ Contrast ♦

Description	Set the contrast of the picture.
Settings	1 (Weak) to 100 (Strong)
Default values	50

■ Color ♦

Description	Set the color of the picture.
Settings	1 (Weak) to 100 (Strong)
Default values	50

8.7.3. LED Illumination Control



■ During Call / Communication ♠

Description	Activate LED illumination during communication when the ambient lighting is dark.
Settings	• Enable • Disable
Default values	Enable

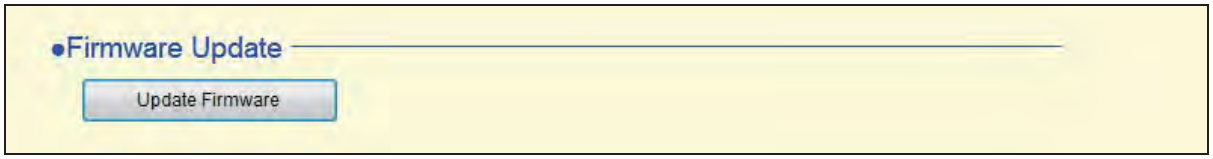
■ While Monitored ♠

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

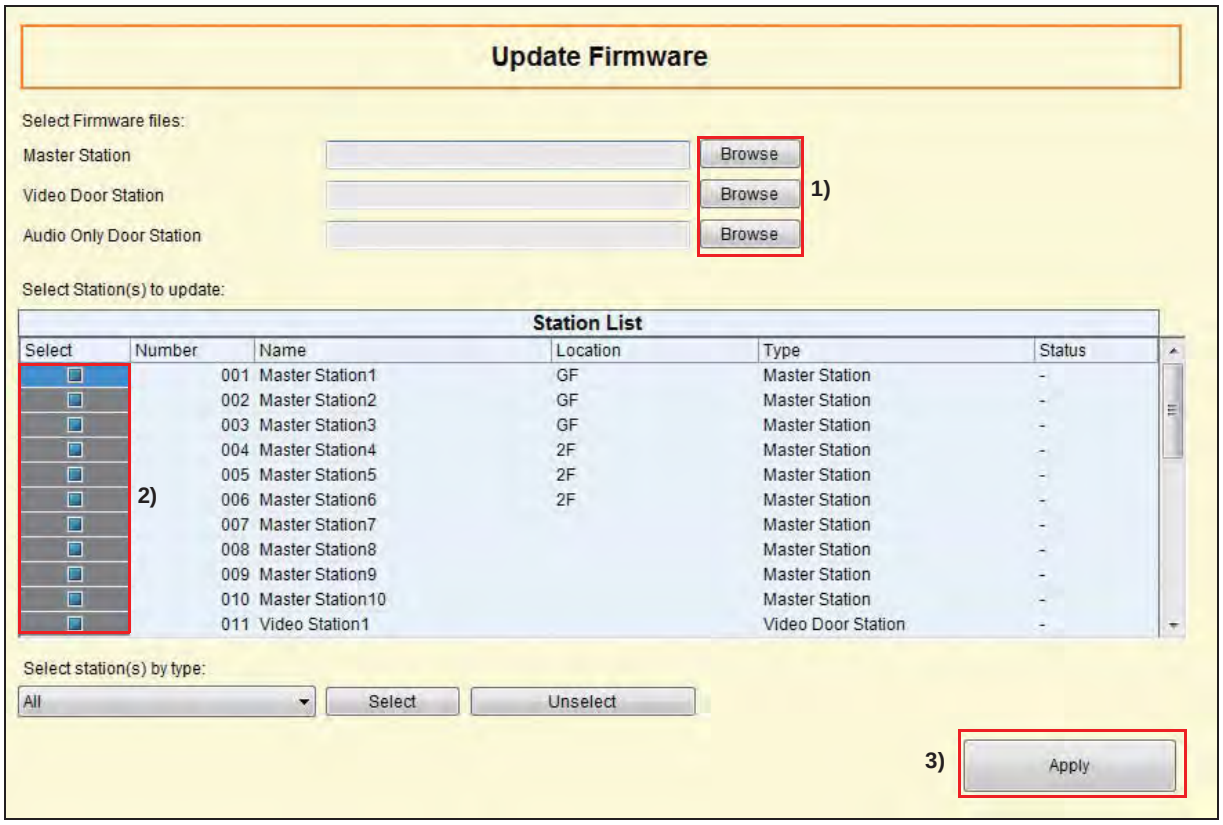
9. Maintenance

9.1. Firmware Update

Access our Web site "http://www.aiphone.net/" to download the latest version of the firmware. For how to download, refer to our Web site.



Click Update Firmware, the "Firmware Update" window will be shown.



How to update the firmware

1) Click Browse and select the firmware file to be downloaded for each station.

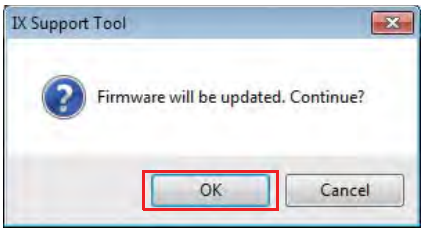
2) Check the station whose firmware is to be updated.

- To select or unselect the stations in a batch, choose the station type for a batch selection and click Select or Unselect.

3) Click Apply.

- The firmware update may take approximately ten minutes per station.

4) Click OK.



Caution

- **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 be automatically restarted.**

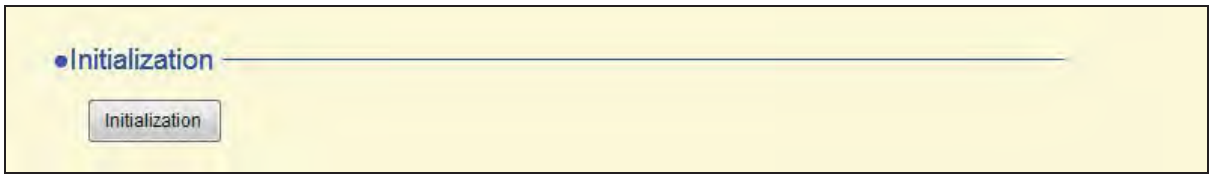
Point

If updating fails, repeat the procedure.

9.2. Initialization

When initializing the station, all settings go back to the default values, and the system log and incoming/outgoing call history are erased.

Stations are also deleted from the settings in IX Support Tool.



How to initialize the station

Click Initialization, the initialization will be started.

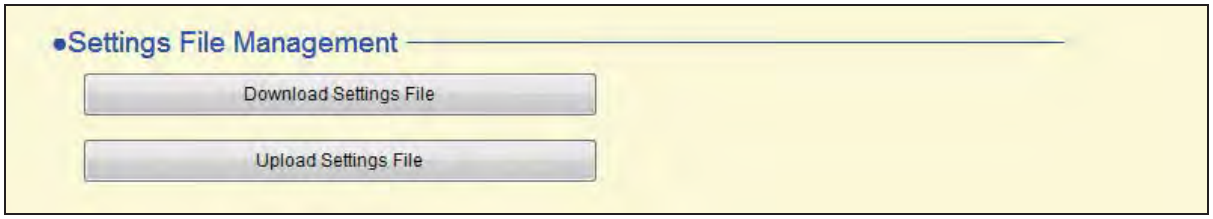
Caution

In some cases, it may take around 10 minutes for the station to start up after initialization.

The station will be inoperable until restarting is completed.

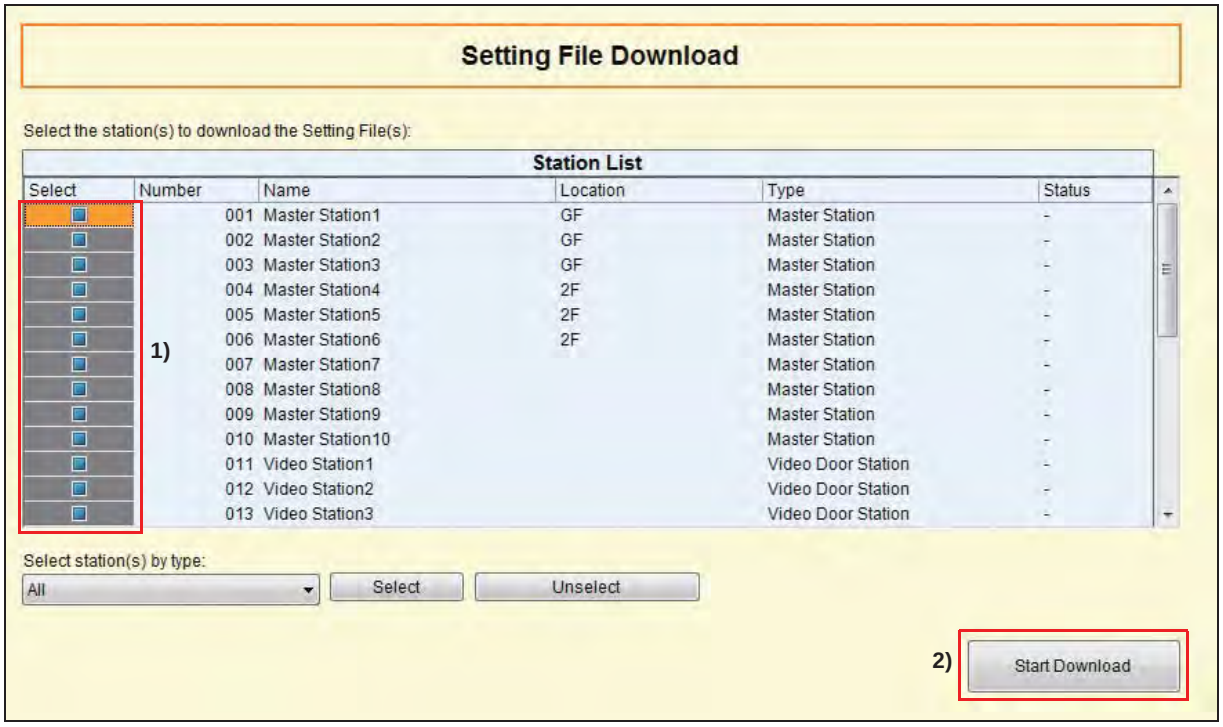
9.3. Settings File Management

This feature downloads or uploads the setting data from or to a station.



9.3.1. Setting File Download

Click Download Settings File, the "Setting File Download" window will be shown.



How to store the Settings File

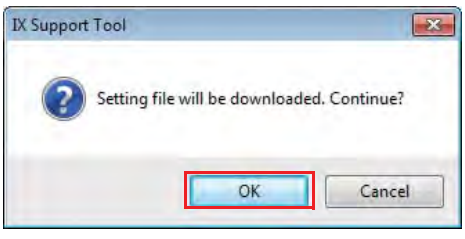
1) Check the station whose settings are to be stored.

- To select or unselect the stations in a batch, choose the station type for a batch selection and click Select or Unselect.

2) Click Start Download.

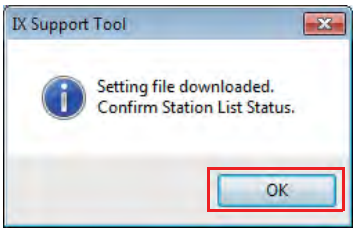
3) Click OK.

- When clicking Cancel, the screen goes back to "Setting File Download."



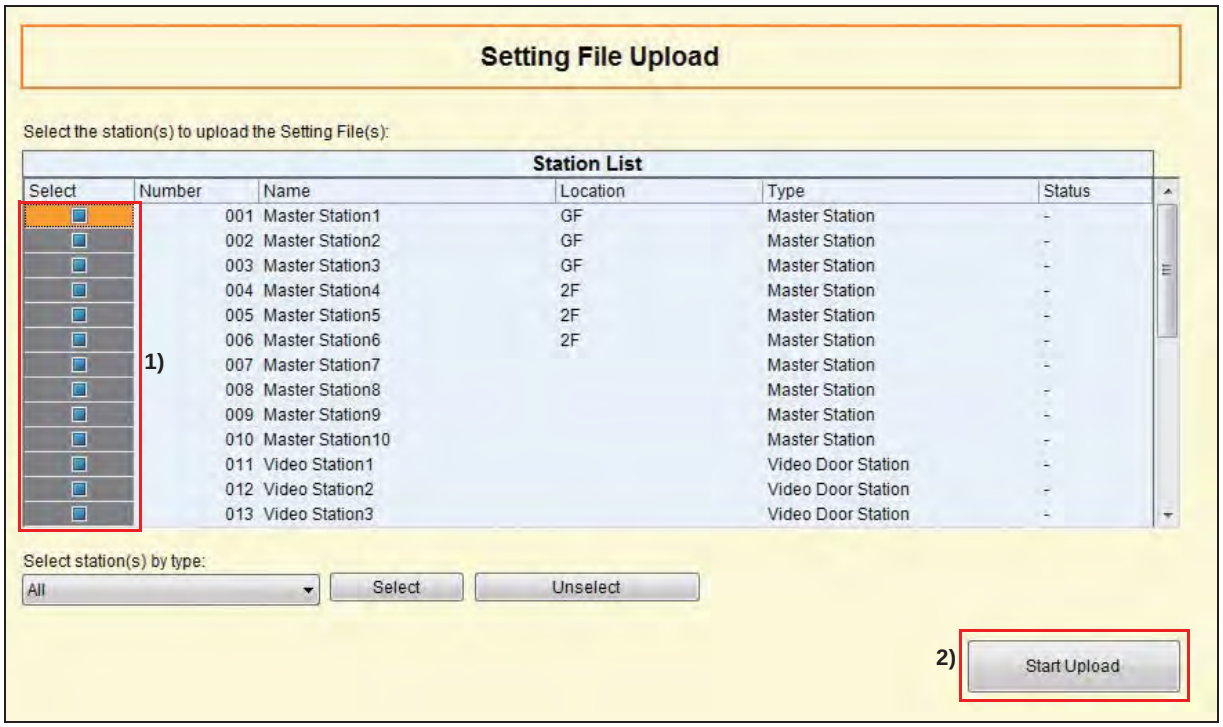
4) Click OK.

- The downloaded files are stored at "SupportTool" > "SystemData" > "(System name chosen)" > "Setting_ForUser" as "Config-(Station Number)-(yyyy.mm.dd.hh.mm.ss).txt" for each station.



9.3.2. Setting File Upload

Click Upload Settings File, the "Setting File Upload" window will be shown.



How to upload the Settings File

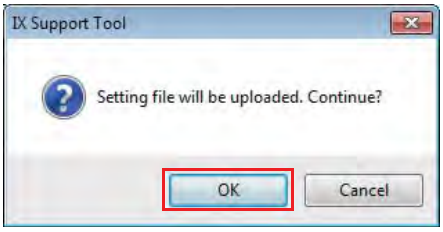
1) Check ☑ of the station whose settings file is to be uploaded in "Station List."

- To select or unselect the stations in a batch, choose the station type for a batch selection and click Select or Unselect.
- A station which is not associated cannot be selected. "4.2. Association Settings" ➤ P.97.

2) Click Start Upload.

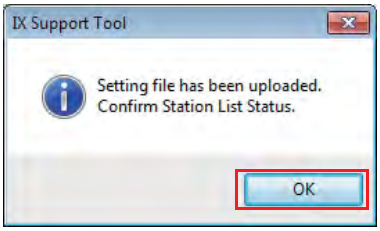
3) Click OK.

- When clicking Cancel, the screen goes back to "Setting File Upload" without uploading the file.



4) Click OK.

- The result will be shown in "Status" in "Station List."
  Uploading: The Setting File is in the process of uploading.
  Success: Upload is completed.
  Failed: Upload failed.



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