

IX Series

Video Door Station

IX-DV, IX-DVF,
IX-DVF-2RA, IX-DVF-RA,
IX-DVF-P, IX-DVF-L

Door Station

IX-SSA, IX-SSA-2RA,
IX-SSA-RA, IX-SS-2G

Operation Manual

Software version 3.00 or later



IX-DV



IX-DVF



IX-DVF-2RA



IX-DVF-RA



IX-DVF-P



IX-DVF-L



IX-SSA



IX-SSA-2RA



IX-SSA-RA



IX-SS-2G

! Important

- Read this "Operation Manual" prior to use to ensure safe and correct operation. Keep this in a safe place for future reference.
- The illustrations used in this manual may differ from the actual ones.

Literature information

The important information concerning correct operation and what you should observe is marked with the following symbols.

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

- Terms and button names displayed on the station and PC screens are indicated as [XXXX].
- Page reference are shown as "[Title \(→ page XX\)](#)", [\(→ page XX\)](#), or [page XX](#).
- The illustrations and images used in this manual may differ from the actual items.
- The illustrations shown in this manual for explanatory purposes use the IX-DV as an example.
- In this document, Video Door Stations (IX-DV and IX-DVF(-*)) and Door Stations without cameras (IX-SSA(-*) and IX-SS-2G) are referred to collectively as "Door Stations."
- "Video Door Station" is used when describing the operation and explanation of Video Door Stations (IX-DV and IX-DVF(-*)).
- VoIP Phones and IX system stations are referred to collectively as "Stations."

Precautions



Warning

Negligence could result in death or serious injury.



If there is smoke, abnormal odor, abnormal sound, or if the station is damaged, immediately disconnect the LAN cable from the station.

This may result in fire or electrical shock.



Do not, under any circumstances, open the station.

Voltage within some internal components may cause electrical shock.



Do not disassemble or modify the station.

This may result in fire or electrical shock.



Caution

Negligence could result in injury to people or damage to property.



Do not attempt to cover, insulate, or coat the station in any way.

This may result in fire or malfunction.



Do not put your ear close to the speaker when using the station.

May cause harm to the ear if a sudden loud noise is emitted.

Precautions on operation

Requests

- Keep the unit more than 1m (3.3') away from radio or TV set.
- Keep the station at least 20 cm (7-7/8") away from wireless devices such as wireless routers, or cordless telephones. These devices may cause the image or sound distortion.
- When installing or using the station, give consideration to the privacy rights of subjects, as it is the responsibility of the system owner to post signs or warnings in accordance with local ordinances.
- In order to prevent sensitive information stored in the station from being lost or stolen, it is the customer's responsibility to delete settings, recorded video/audio, and other information stored in the station, when discarding, transferring, or returning the station. Refer to the relevant page of this document for information on how to clear information. ([→page 85](#))
- As to other 3rd party devices (such as sensor, detectors, door releases) used with this system, comply with the Specifications and Warranty conditions that the manufacturers or venders present.
- Although this product is designed to be splash-proof, prevent sprinkling water from making direct contact. It may cause a malfunction.
- Be sure to receive and store the setting file from the person who configured the system. If the setting file is lost, recovery may not be possible and creating a new setting file may be required.
- When making hands-free calls, talk within 30cm (12") or less from the station. If you stand too far away, it may be difficult for the other person to hear the communication.

Notices

- Aiphone is not to be held responsible for any and all damages resulting from content or specifications of this product.
- Aiphone is not to be held responsible for any and all damages resulting from malfunctions, defects, or misuse of this product.
- This station cannot be used during power outages.
- If the station is used in areas where there are business-use wireless devices such as a transceiver or mobile phones, it may cause malfunction.
- This station is not meant to protect lives or property. Aiphone is not to be held responsible for any and all resulting serious accidents, disaster accidents, or physical damage.
- This station is for installations on walls and vertical surfaces only.
- Aiphone assumes no responsibility for corruption of saved information (such as changes to or deletion of saved information). Be aware of this in advance.
- Freezing during winter could make it difficult to see images or stop the call button on the door station working.
- Station may be unoperable while updating the system settings.
- If communication becomes congested or calls are made from multiple Video Door Stations in the system, the audio could drop, become delayed, or otherwise not operate normally.
- Aiphone assume no responsibility for damages as a result of delayed or unusable services, which were due to failures in network equipment, communication services by Internet and cellular phone companies, line interruptions, communication failures, or inaccuracies or omissions in transmission unit.
- Aiphone is not to be held responsible for any damages resulting from customer PINs or other transmitted information being leaked due to interception, unauthorized access, or other reasons along the communication path through the Internet.
- Available functions and services are limited according to the specifications of the installed system.
- The illustrations used in this manual may differ from the actual ones.
- Hands-free calls are a method of automatically switching between the transmitter and receiver so that the louder of the two is prioritized, making it audible by the quieter of the two. If the surrounding area is loud, the call may be interrupted, making it difficult to respond.
- During communication, the voice may not come through clearly when speaking before the other party has finished talking. Communication will proceed smoothly when waiting until the other party has finished before speaking.
- The noise reduction function may determine that certain tones are noise and cut transmission of those tones. This is not a malfunction.
- It is the customer's responsibility to ensure that their computer is secure. Aiphone is not liable for security failures.
- If there is no power for 30 minutes or more, the date and time return to default.
- When putting a hearing aid into T-mode and approaching IX-DVF-L, the intercom system may be affected by radio frequency interference etc., depending on the installation environment.

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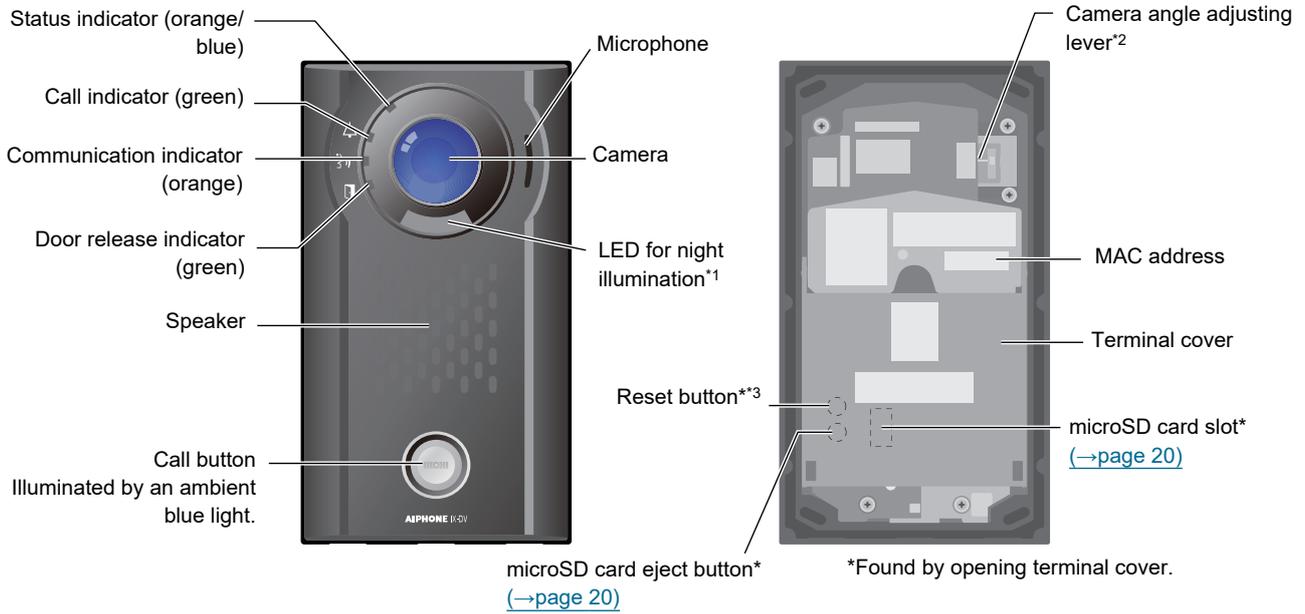
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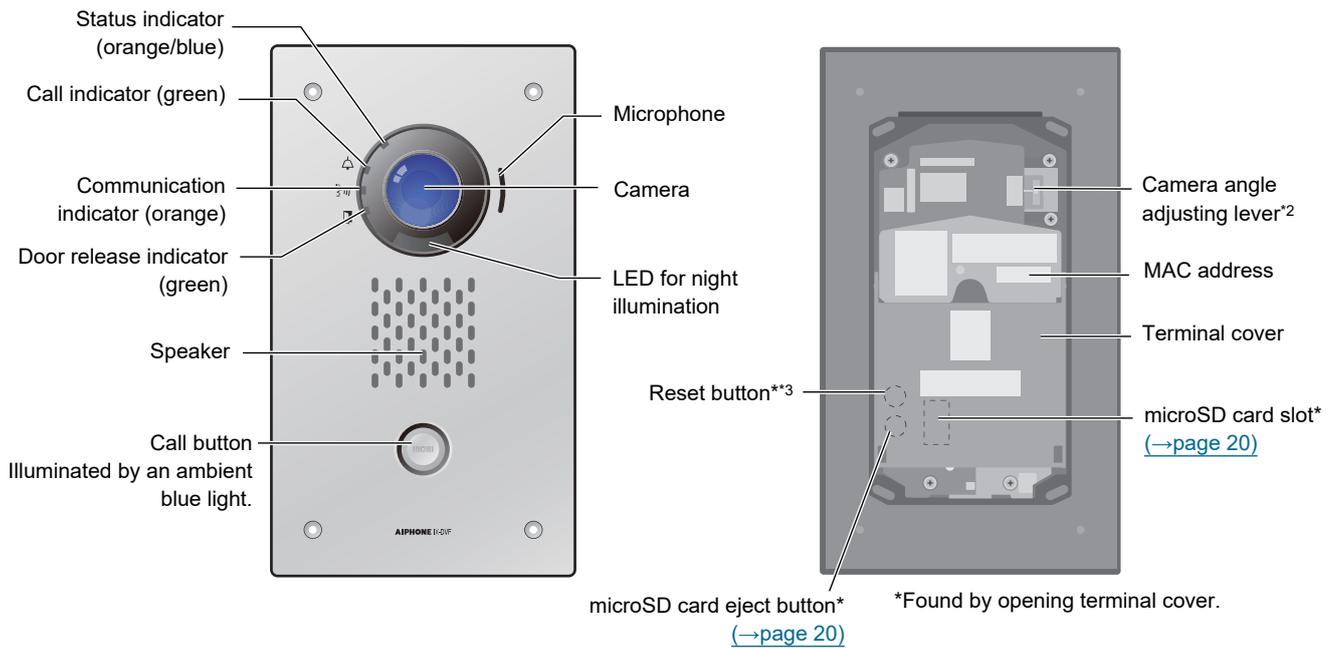
Part Names

Video Door Station IX-DV



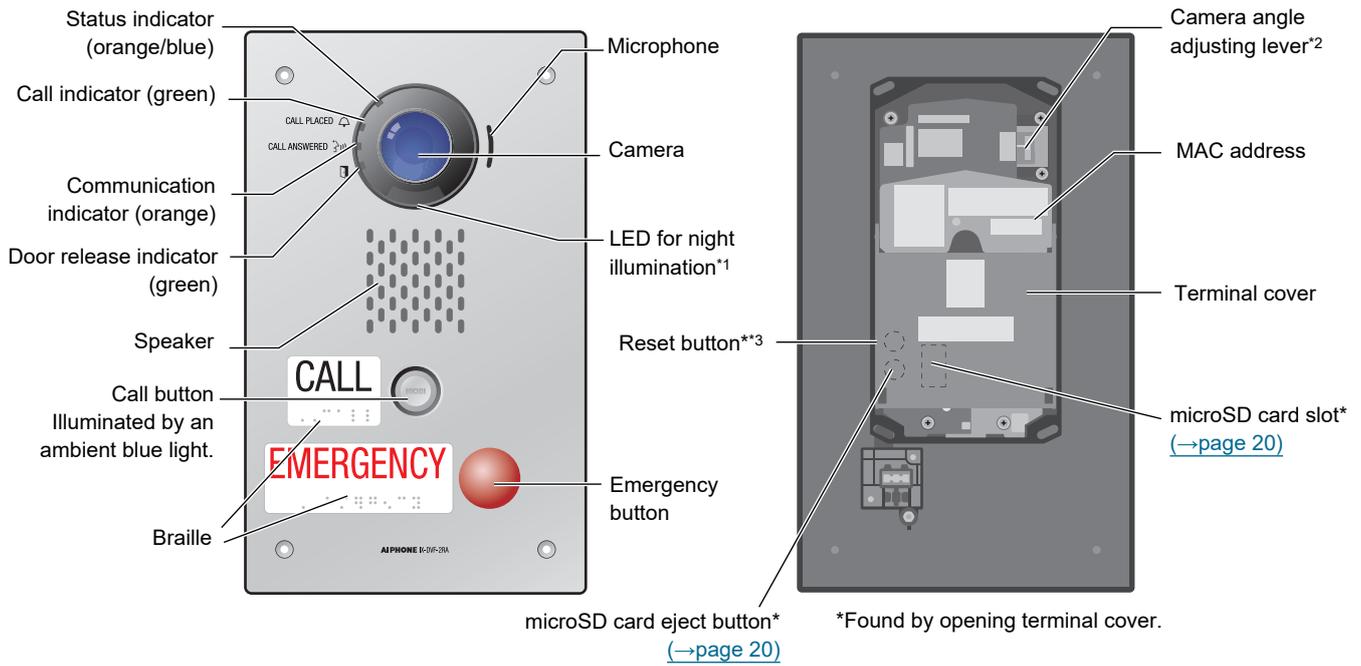
- *1 Pressing the **[Call]** button at night will turn the light ON, and when the communication ends the light will turn back OFF. The light will also turn ON when being monitored by the Master Station. There may be times when the light will not turn ON due to settings.
- *2 The angle of the camera can be adjusted up and down.
- *3 This is for station service only. Do not press.

Video Door Station IX-DVF



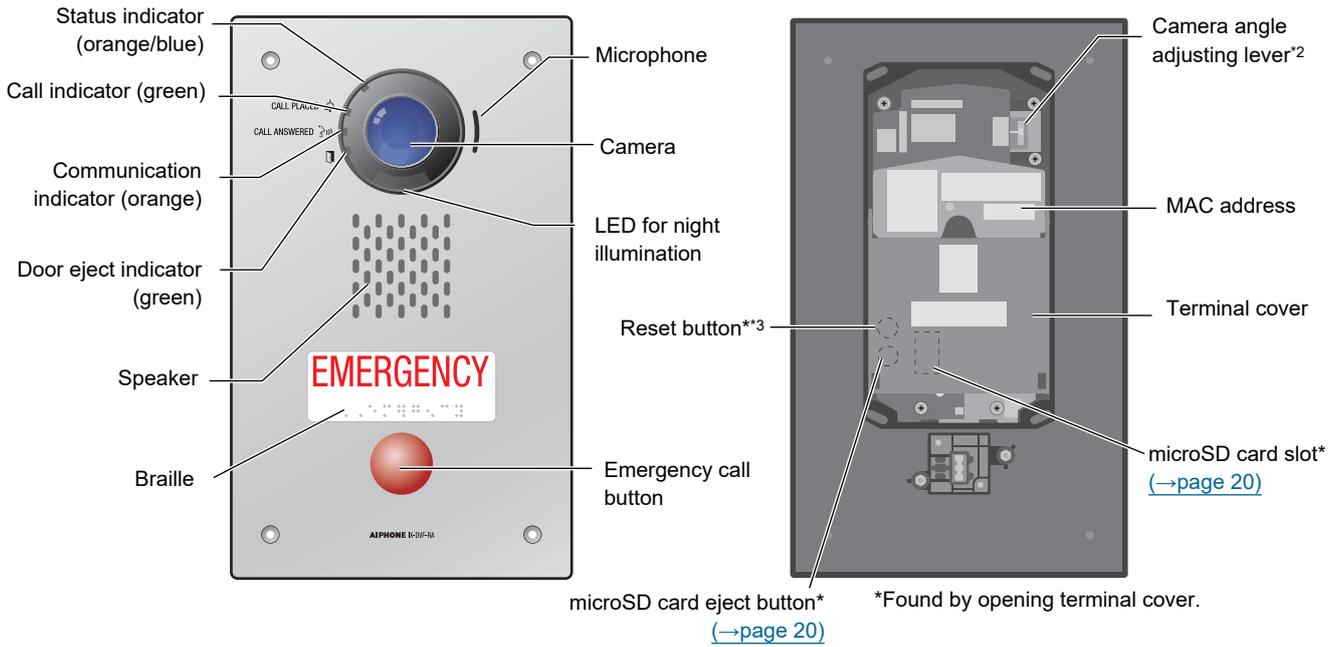
- *1 Pressing the **[Call]** button at night will turn the light ON, and when the communication ends the light will turn back OFF. The light will also turn ON when being monitored by the Master Station. There may be times when the light will not turn ON due to settings.
- *2 The angle of the camera can be adjusted up and down.
- *3 This is for station service only. Do not press.

Video Door Station IX-DVF-2RA



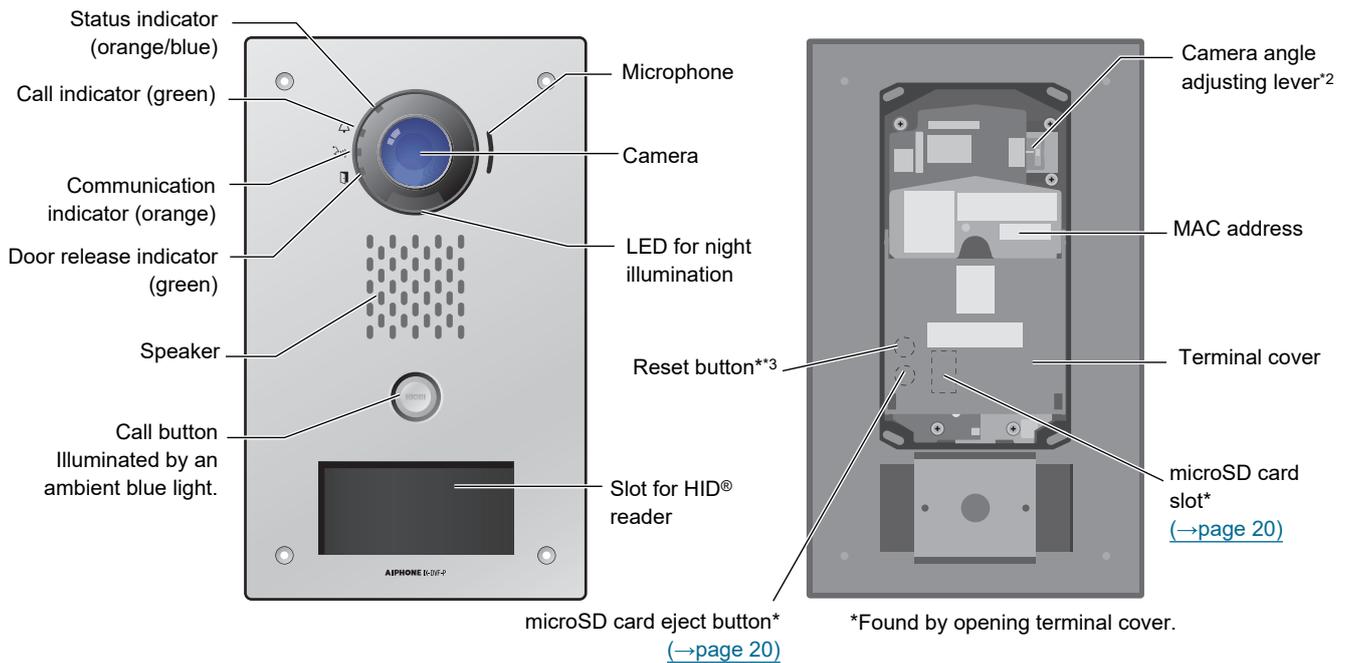
- *1 Pressing the **[Call]** button at night will turn the light ON, and when the communication ends the light will turn OFF. The light will also turn ON when being monitored by the Master Station. There may be times when the light will not turn ON due to settings.
- *2 The angle of the camera can be adjusted up and down.
- *3 This is for station service only.

Video Door Station IX-DVF-RA



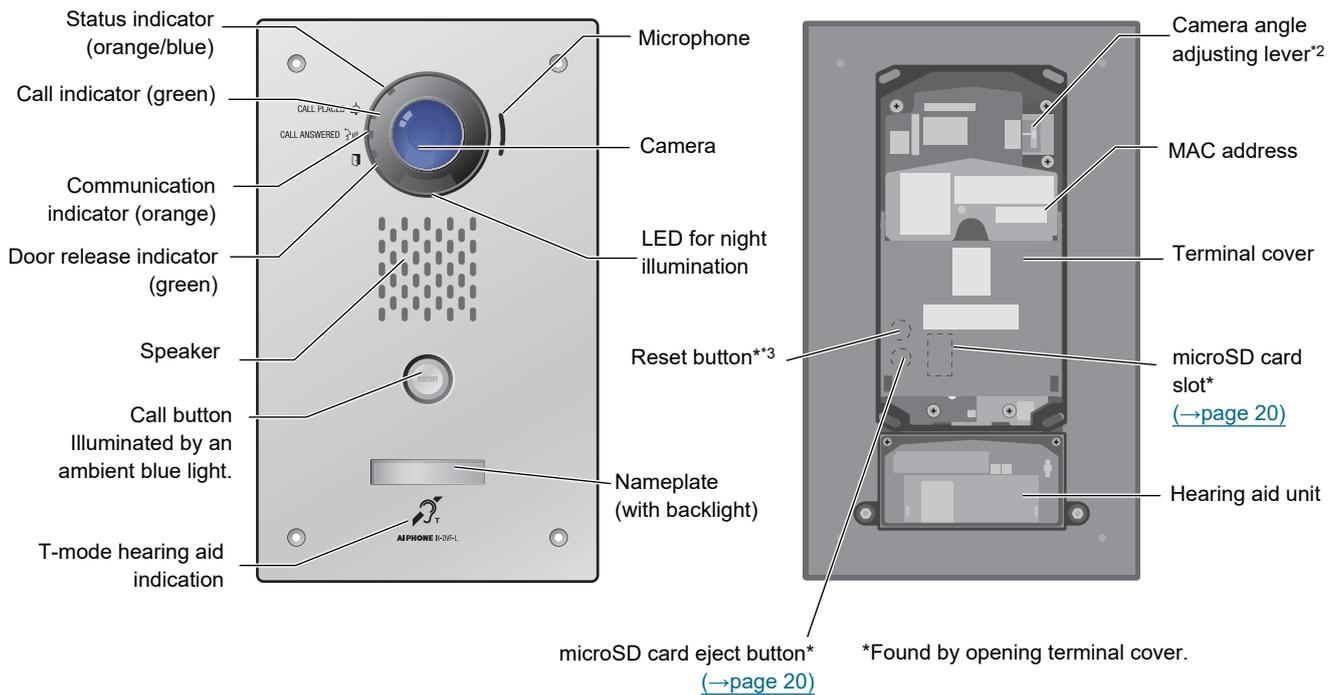
- *1 Pressing the **[Call]** button at night will turn the light ON, and when the communication ends the light will turn back OFF. The light will also turn ON when being monitored by the Master Station. There may be times when the light will not turn ON due to settings.
- *2 The angle of the camera can be adjusted up and down.
- *3 This is for station service only. Do not press.

Video Door Station IX-DVF-P



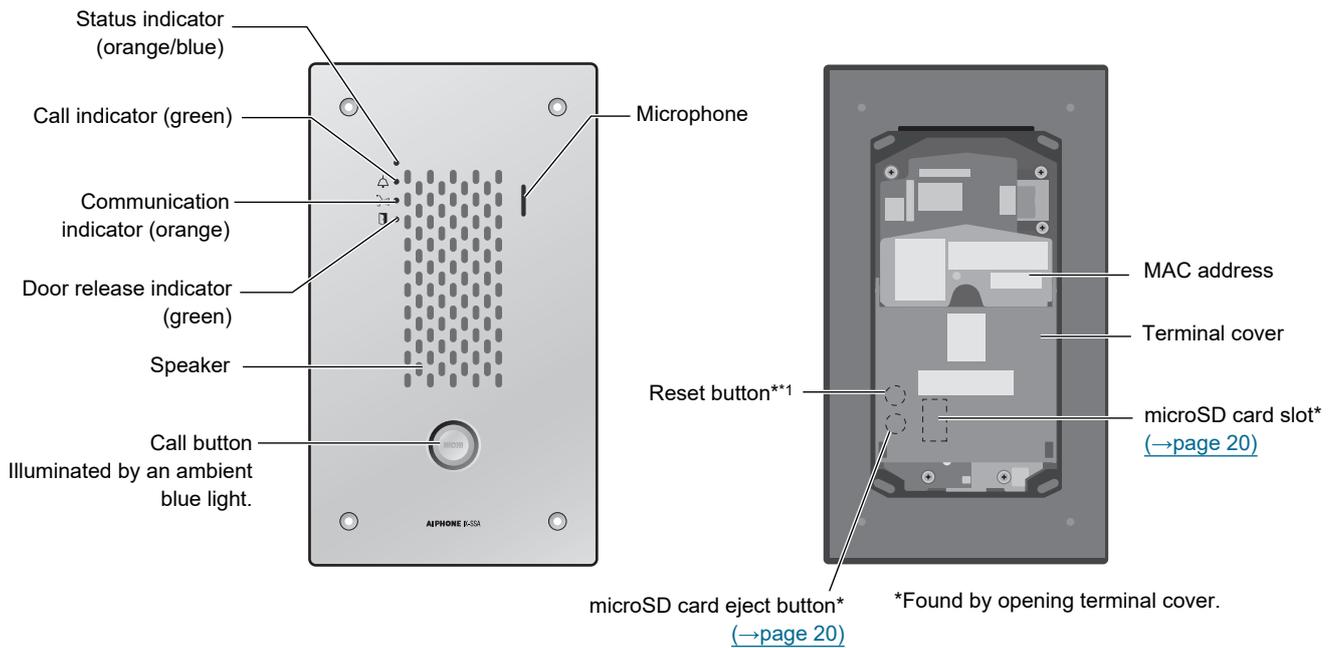
- *1 Pressing the **[Call]** button at night will turn the light ON, and when the communication ends the light will turn OFF. The light will also turn ON when being monitored by the Master Station. There may be times when the light will not turn ON due to settings.
- *2 The angle of the camera can be adjusted up and down.
- *3 This is for station service only. Do not press.

Video Door Station IX-DVF-L



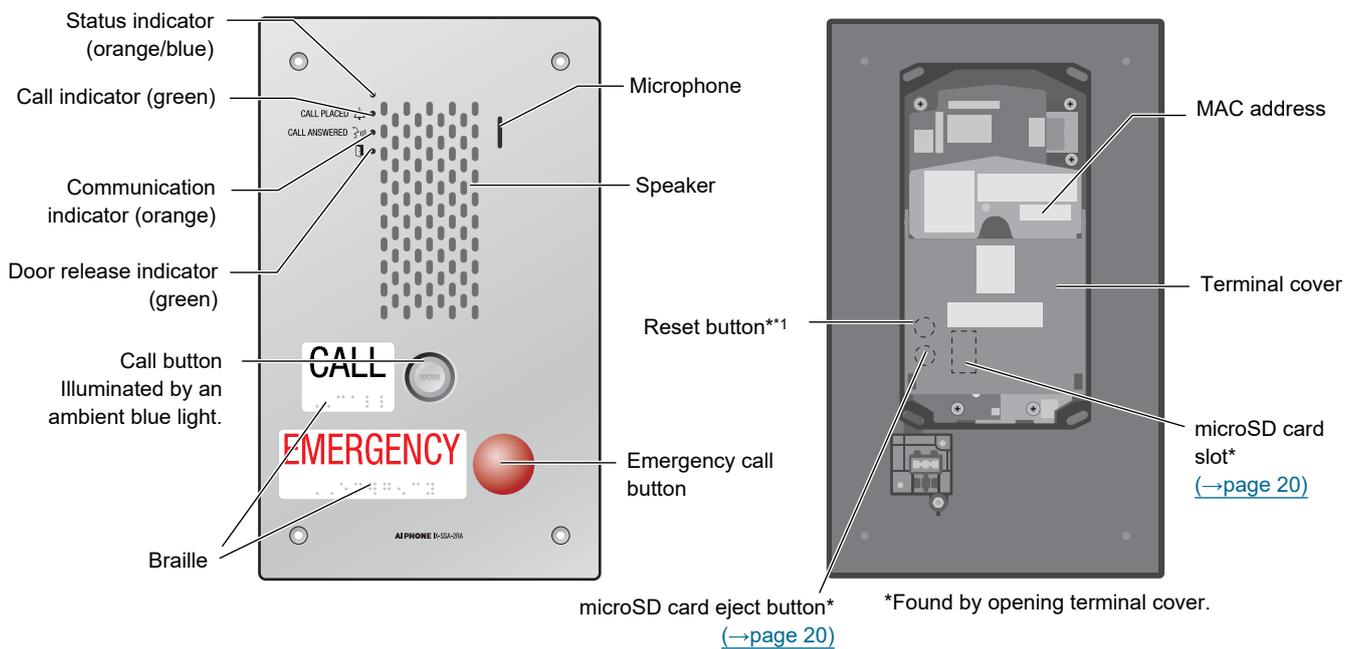
- *1 Pressing the **[Call]** button at night will turn the light ON, and when the communication ends the light will turn OFF. The light will also turn ON when being monitored by the Master Station. There may be times when the light will not turn ON due to settings.
- *2 The angle of the camera can be adjusted up and down.
- *3 This is for station service only. Do not press.
- *4 This station emits an electromagnetic field for hearing aids equipped with T-mode to produce clear audio.

Audio Only Door Station IX-SSA



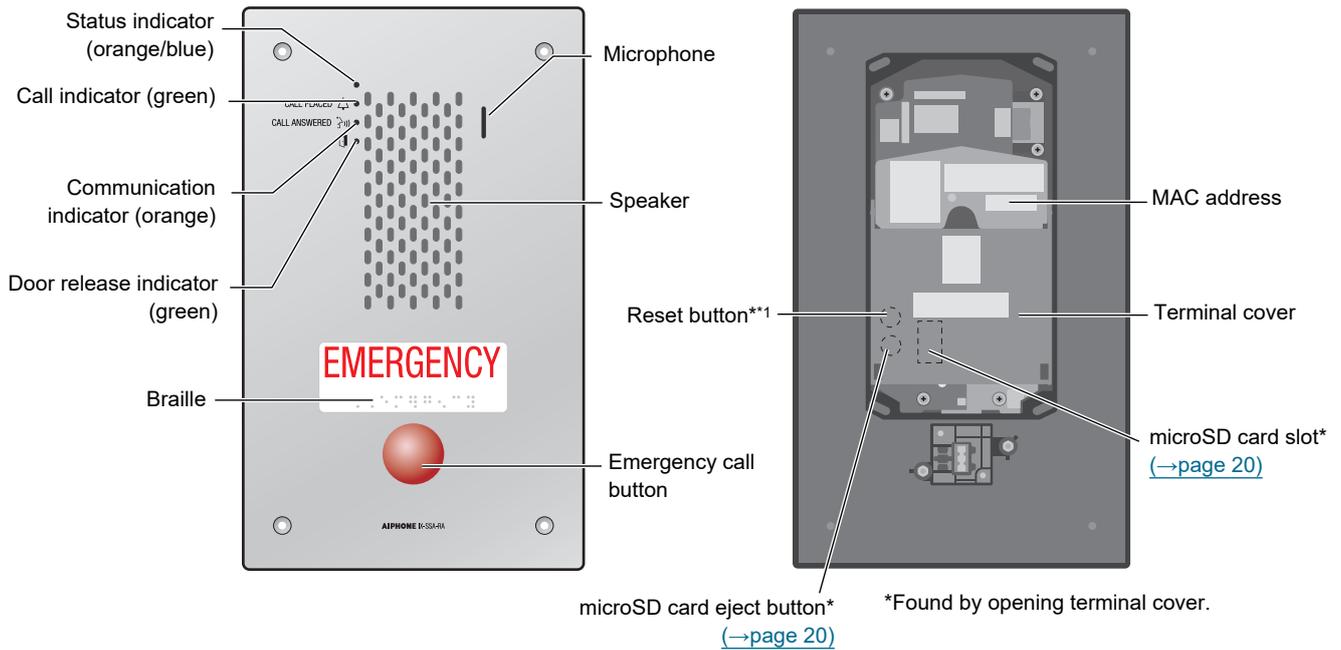
*1 This is for station service only. Do not press.

Audio Only Door Station IX-SSA-2RA



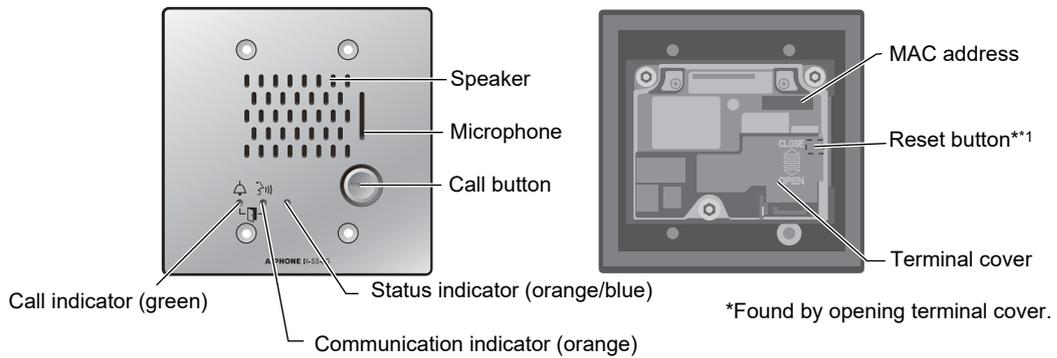
*1 This is for station service only. Do not press.

Audio Only Door Station IX-SSA-RA



*1 This is for station service only. Do not press.

Audio Only Door Station IX-SS-2G



*1 This is for station service only. Do not press.

Status Indicators

IX-DV, IX-DVF, IX-DVF-2RA, IX-DVF-RA, IX-DVF-P, IX-DVF-L

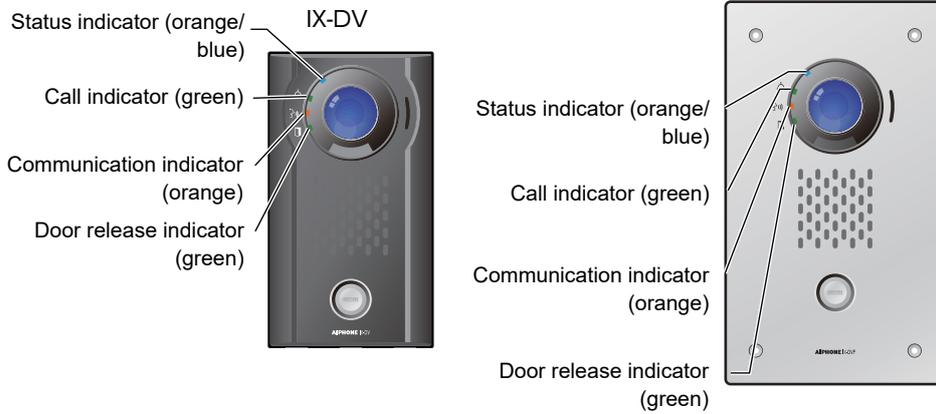


Illustration shown is the IX-DVF.

☀: On, □: Off

Name	Status (Pattern)	Description	
Status indicator	Orange flashing	Booting	
	☀-0.75 sec → □0.75 sec	Device error, startup error	
	☀-0.25 sec → □0.25 sec	Communication failure	
	☀-0.5 sec → □4 sec	Firmware version upgrading	
	☀-1 sec → □0.25 sec → ☀0.25 sec → □0.25 sec → ☀0.25 sec → □0.25 sec	Mounting/unmounting microSD card	
	☀-2sec → □0.25sec → ☀-0.25sec → □0.25sec	Initializing	
	☀-1sec → □0.25sec → ☀-0.25sec → □0.25sec	Standby	
	Blue light	☀	
	Blue flashing	☀1sec → □1sec (Repeat 3 times, then turn on) → ☀	Calling destination busy
		☀0.25sec → □0.25sec → ☀0.25sec → □0.75sec	Incoming Call
☀2sec → □2sec		Incoming Page	
☀2sec → □1sec		Being monitored (may be disabled)	
Call indicator	Green flashing	Outgoing Call	
Communication indicator	Orange light	In communication	
Door release indicator	Green flashing	Door Release*1	

*1 Flashes when the door release contact is triggered. If door release timeout is set to 3 seconds or less, it will flash at a 3 second interval.

IX-SSA, IX-SSA-2RA, IX-SSA-RA

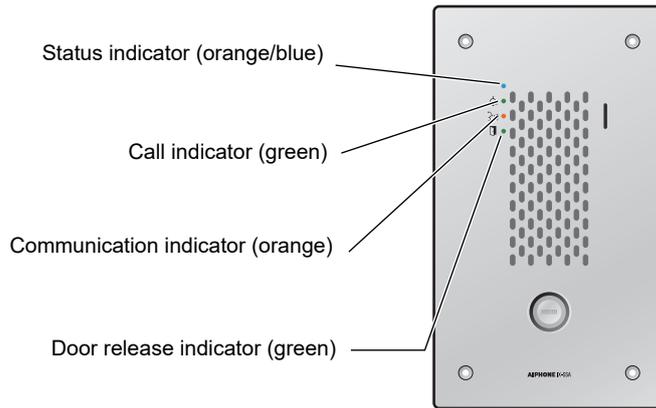
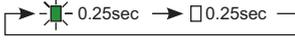
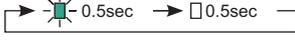


Illustration shown is the IX-SSA.

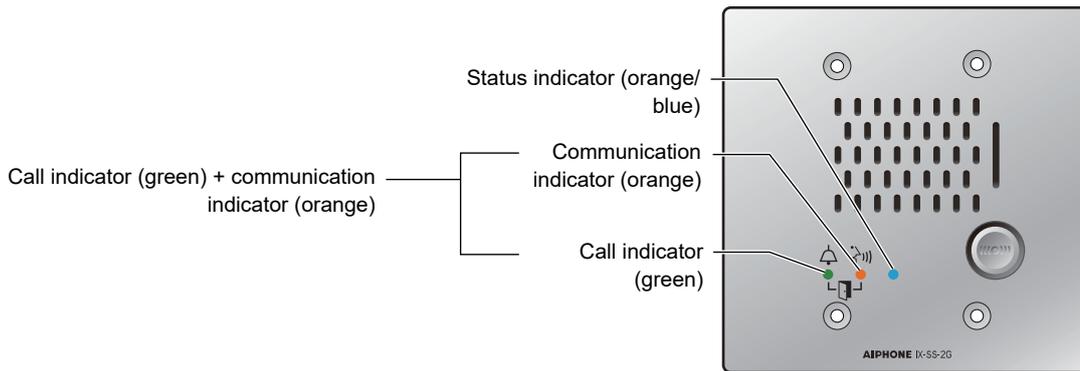
☀: On, ◻ : Off

Name	Status (Pattern)	Description
Status indicator		Booting
		Device error, startup error
		Communication failure
		Firmware version updating
		Mounting/unmounting microSD card
		Initializing
Blue light		Standby
Blue flashing		Calling destination busy
		Incoming Call
		Incoming Page
		Being monitored (may be disabled)

Name	Status (Pattern)	Description
Call indicator	Green flashing 	Outgoing Call
Communication indicator	Orange light 	In communication
Door release indicator	Green flashing 	Door Release* ¹

*1 Flashes when the door release contact is triggered.
 If door release timeout is set to 3 seconds or less, it will flash at a 3 second interval.

IX-SS-2G



☀: On, □ : Off

Name	Status (Pattern)	Description		
Status indicator	Orange flashing	<p>☀ 0.75 sec → □ 0.75 sec</p> <p>☀ 0.25 sec → □ 0.25 sec</p> <p>☀ 0.5 sec → □ 4 sec</p> <p>☀ 1 sec → □ 0.25 sec → ☀ 0.25 sec → □ 0.25 sec → ☀ 0.25 sec → □ 0.25 sec</p> <p>☀ 1sec → □ 0.25sec → ☀ 0.25sec → □ 0.25sec</p>	<p>Booting</p> <p>Device error, startup error</p> <p>Communication failure</p> <p>Firmware version updating</p> <p>Initializing</p>	
	Blue light	☀	Standby	
	Blue flashing	☀ 1sec → □ 1sec → ☀ (Repeat 3 times, then turn on)	Calling destination busy	
		☀ 0.25sec → □ 0.25sec → ☀ 0.25sec → □ 0.75sec	Incoming Call	
		☀ 2sec → □ 2sec	Incoming Page	
		☀ 2sec → □ 1sec	Being monitored (may be disabled)	
	Call indicator	Green flashing	☀ 0.25sec → □ 0.25sec	Outgoing Call
	Communication indicator	Orange light	☀	In communication
	Call indicator + Communication indicator	Green flashing + Orange flashing	☀ 0.5sec → □ 0.5sec	Door Release*1

*1 Flashes when the door release contact is triggered.
If door release timeout is set to 3 seconds or less, it will flash at a 3 second interval.

microSD Cards (IX-SSA(-*), IX-DV, and IX-DVF(-*))

microSD cards that can be used with this station (sold separately)

Standard	Storage capacity	Format	Speed class
microSDHC memory cards	4 GB to 32 GB	FAT32	SD speed class 10

Important

- A microSD card is not included with this station.
- Some microSD cards may not operate properly.
- If the card contains data other than video/audio files, it may not have enough space to record video/audio recordings.

Note

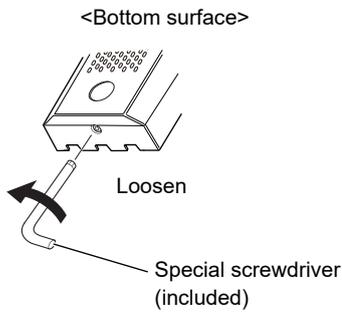
- A maximum of 999 video/audio files can be saved. However, this may vary depending on the size of the video/audio files and the capacity of the microSD card.
- Aiphone is not to be held responsible in any way for microSD cards.

Inserting/Removing microSD Cards

Inserting a microSD card

1. Remove the front cover.

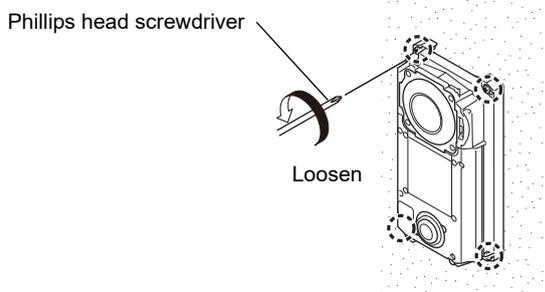
- For IX-DV



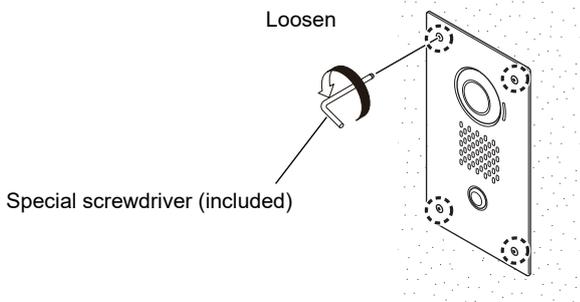
- For IX-DVF(-*) or IX-SSA(-*), proceed to Step 2.

2. Remove the unit from the mounting surface.

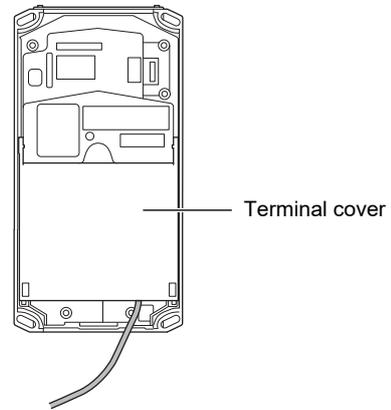
- For IX-DV



- For IX-DVF(-*) or IX-SSA(-*)

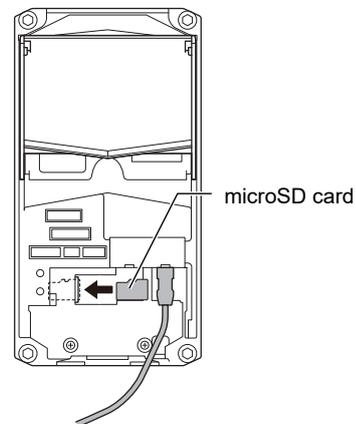


3. Slide the terminal cover on the rear of the unit downward to open it.



4. Insert a microSD card into the unit.

- Push it in until you hear it click into place.
- The status indicator will flash orange while mounting the microSD card.



5. Close the terminal cover, and place the unit and front cover to their original positions.

Important

- Calls and other operations cannot be performed while the microSD card is being mounted.
- Be sure to close the terminal cover when done. If left open, condensation or water may enter and cause damage.

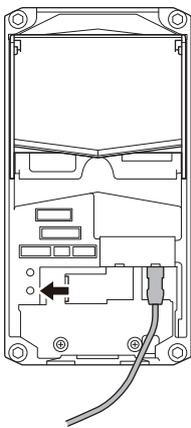
Removing the microSD card

1. Detach the unit.

- Refer to Steps 1 through 3 in "Inserting a microSD card" for instructions.

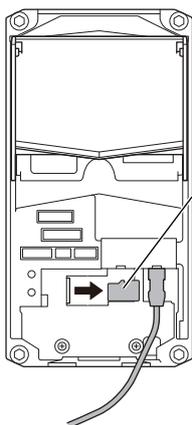
2. Press the [microSD card eject] button on the back of the main unit one time.

- The status indicator flashes orange. Do not remove the microSD card while it is flashing.



Press the [microSD card eject] button one time

3. Push the microSD card until you hear it click, and then remove it.



microSD card

4. Close the terminal cover, and place the unit and front cover to their original positions.

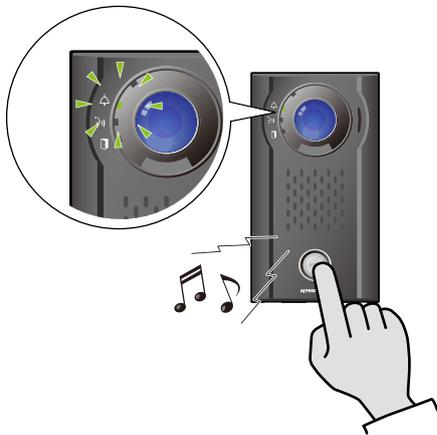
! Important

- Calls and other operations cannot be performed while the microSD card is being unmounted.
- Removing the microSD card while it is being unmounted (while the status indicator is flashing orange) could cause data corruption.
- Be sure to close the terminal cover when done. If left open, condensation or water may enter and cause damage.

Placing a call (except IX-DVF-RA and IX-SSA-RA)

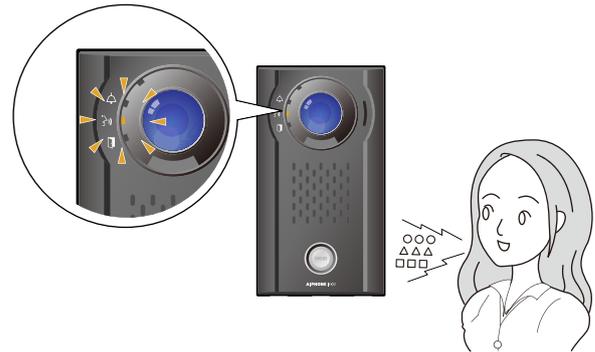
1. Press the [Call] button

- The ringback tone will play from the speaker.
- The call indicator will flash.
- Video from the camera is displayed at the call destination station (Video Door Station only).
- The LED illumination will turn ON in low ambient lighting. (Video Door Station only)
- Depending on the setting (administrator), the outgoing call may be ended by pressing the [CALL] button once again.



2. Speak when the other party answers

- The call indicator will turn OFF, and the communication indicator will turn ON.



3. Communication ends when the other party ends the call.

- The communication indicator will turn OFF.
- Depending on the setting, the call may be ended by pressing the [Call] button.



Note

- The call is placed using the priority that was set during programming.
- The call ring timer and the ringback tone count may vary depending on the settings.
- When calling a VoIP Phone, this will be the shorter time of the time set for "Call Timeout" and the call duration set on the IP-PBX.
- A call tone may not sound, depending on the settings.
- Depending on the settings, communication sounds may play from separately installed speakers.
- A call start notification tone or message may play when the call starts, depending on the settings.
- If the call duration set on this station elapses, the call will automatically end. A notification tone will play approximately 10 seconds prior to the call ending. The notification tone may not play, depending on the settings.
- If a page with a higher priority is received from another station while making an outgoing call or during communication, the outgoing call or call will be interrupted and the station will switch to the page.
- If Change Destination by Time Delay or a schedule is set, outgoing calls will be placed according to the setting. ([→page 52](#))
- If call recipients include a VoIP Phone configured to automatically take the call, that VoIP Phone will answer.

Placing an Urgent Call (IX-DVF-2RA, IX-DVF-RA, IX-SSA-2RA, and IX-SSA-RA)

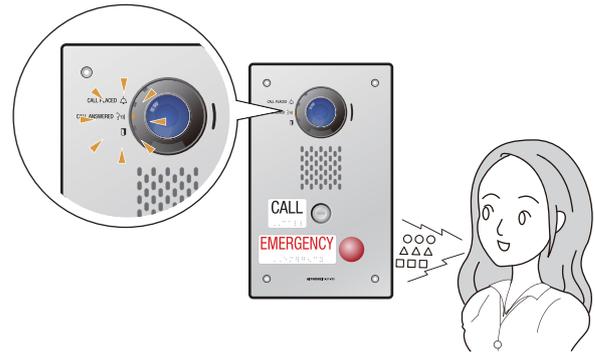
1. Press the [EMERGENCY] button.

- The ringback tone will play from the speaker.
- The call indicator will flash.
- Video from the camera is displayed at the call destination. (Video Door Station only).
- The LED illumination will turn ON in low ambient lighting. (Video Door Station only)



2. Speak when the other party answers

- The call indicator will turn OFF, and the communication indicator will turn ON.



3. Communication ends when the other party ends the call.

- The communication indicator will turn OFF.

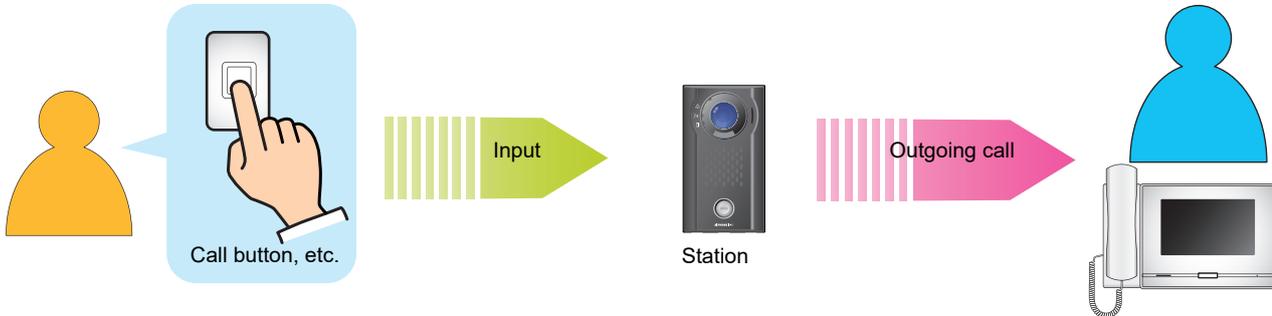


Note

- The call is placed using the priority that was set during programming.
- The call ring timer and the ringback tone count may vary depending on the settings.
- When calling a VoIP Phone, this will be the shorter time of the time set for "Call Timeout" and the call duration set on the IP-PBX.
- A call tone may not sound, depending on the settings.
- Depending on the settings, communication sounds may play from separately installed speakers.
- A call start notification tone or message may play when the call starts, depending on the settings.
- If the call duration set on this station elapses, the call will automatically end. A notification tone will play approximately 10 seconds prior to the call ending. The notification tone may not play, depending on the settings.
- If a page with a higher priority is received from another station while making an outgoing call or during communication, the outgoing call or call will be interrupted and the station will switch to the page.
- If Change Destination by Time Delay or a schedule is set, outgoing calls will be placed according to the setting. ([→page 52](#))
- If call recipients include a VoIP Phone configured to automatically take the call, that VoIP Phone will answer.

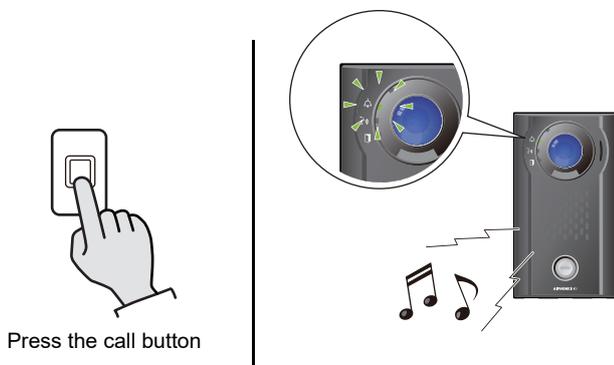
Use an external device to place a call

Use an external device (sensor, call button, etc.) to place a call to a pre-determined location.



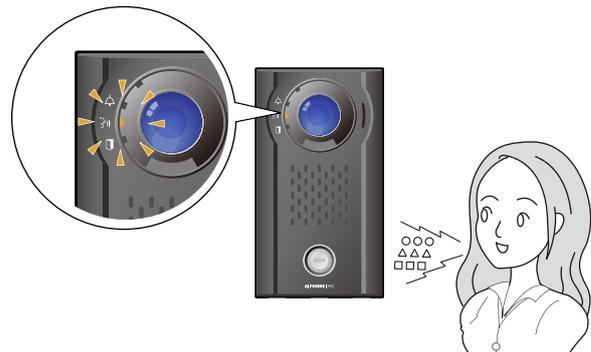
1. Activate the external device

- The ringback tone will play from the device speaker.
- The call indicator on this device will flash.
- Video from the camera is displayed to the call destination. (Video Door Station only)
- The LED illumination will turn ON in low ambient lighting. (Video Door Station only)



2. Speak when the other party answers

- The call indicator on the device will turn OFF, and the communication indicator will turn ON.



3. Communication ends when the other party ends the call.

- The communication indicator will turn OFF.



Note

- The call is placed using the priority that was set during programming.
- The call ring timer and the ringback tone count may vary depending on the settings.
- When calling a VoIP Phone, this will be the shorter time of the time set for "Call Timeout" and the call duration set on the IP-PBX.
- The ringback tone may not be played, depending on the settings.
- Depending on the settings, communication sounds may play from separately installed speakers.
- A call start notification tone or message may play when the call starts, depending on the settings.
- If the call duration set on this station elapses, the call will automatically end. A notification tone will play approximately 10 seconds prior to the call ending. The notification tone may not play, depending on the settings.
- If a page with a higher priority is received from another station while making an outgoing call or during a communication, the outgoing call or call will be interrupted and the station will switch to the page.
- If call recipients include a VoIP Phone configured to automatically take the call, that VoIP Phone will answer.

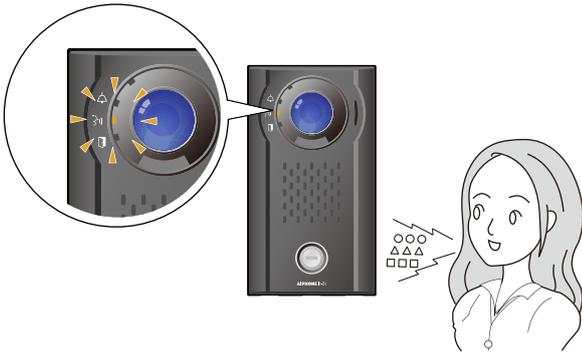
Answering a call

Answering automatically

When there is an incoming call, the ringtone will sound and the Door Station will answer automatically.

1. Begin speaking when the incoming call

- The communication indicator turns ON.



2. Communication ends when the other party ends the call.

- The communication indicator will light OFF.

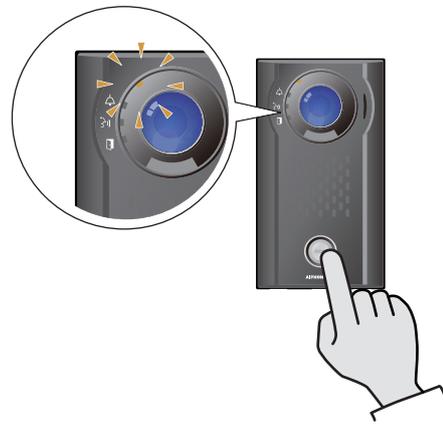
Answering with the [Call] button (except IX-DVF-RA and IX-SSA-RA)

When receiving a call, the ringtone sounds and the status indicator flashes blue.

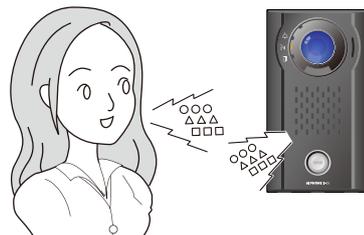
This can be used if Auto Answer (→page 59) is "OFF" and answering with the [Call] button is enabled via programming.

1. When an incoming call is received, press the [Call] button.

- The status indicator will turn ON, and the communication indicator will turn ON.

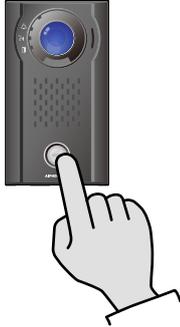


2. Speak with the other party



3. When the communication ends, press the **[Call]** button.

- The communication indicator will turn OFF.



Note

- If Auto Answer ([→page 59](#)) is "ON," the device will automatically answer when it receives a call.
- Depending on the settings, communication sounds may play from separately installed speakers.
- A separate switch or the like may be used to answer, depending on the settings.
- A call start notification tone or message may play when the call starts, depending on the settings.
- If the call duration set on the other station (for calls with a VoIP Phone, the shorter of the call durations set on the device and the VoIP Phone) elapses, the call will automatically end. A notification tone will play approximately 10 seconds prior to the call ending. The notification tone may not play, depending on the settings.
- If a page with a higher priority is received from another station during a communication, the call will be interrupted and the station will switch to the page.
- If a page or a call with a higher priority is received from another station while making an outgoing call, the outgoing call will be interrupted and the station will switch to the page or call with a higher priority.
- The ringtone and ringtone count may differ, depending on the settings.
- The ringtone may not sound, depending on the settings.

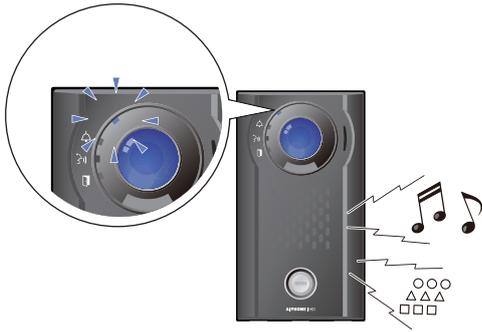
Receiving a page

Paging will begin after the paging pretone.

Receiving a page

1. The paging pretone will ring, then paging will begin.

- The status indicator will flash blue.



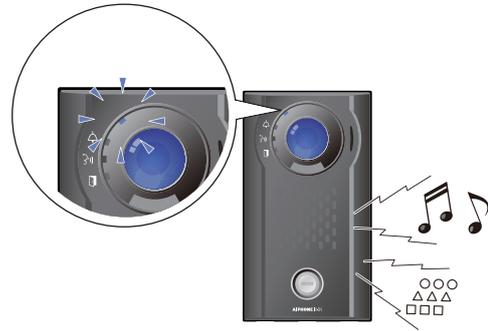
-
2. Paging complete.
-

Answering a page with the [Call] button (except IX-DVF-RA and IX-SSA-RA)

This feature must be configured when programming.

1. The paging pretone will ring, then paging will begin.

- The status indicator will flash blue.

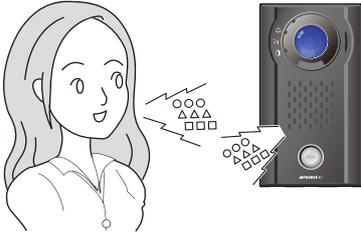


-
2. Press the [Call] button during paging.

- The communication indicator turns ON.

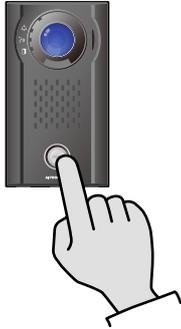


3. Speak with the other party



4. When the communication ends, press the **[Call]** button.

- The communication indicator will turn OFF.



Note

- If an outgoing call is made during paging, paging may be canceled when the outgoing call is placed, depending on the priority.
- The paging pretone may not sound, depending on the settings.
- Depending on the settings, the paging pretone and the paging audio may play from separately installed speakers.
- A contact input trigger may be used to answer, depending on the settings.
- A call start notification tone or message may play when the call starts, depending on the settings.
- If the call duration that was previously set on this station elapses, the call will automatically end. A notification tone will play approximately 10 seconds prior to the call ending. The notification tone may not play, depending on the settings.
- If a page with a higher priority is received from another station during a call or page, the call or page will be interrupted and the station will switch to the page with the higher priority.
- Depending on the IX-MV7-* settings, it may be impossible to answer an urgent page.
- If a paging pretone with a long duration is set, the initial paging tone may be cut short.

Play Video/Audio Recordings using a PC

Insert the microSD card into the microSD card slot on the PC or an microSD card reader connected to the PC to play video/audio files recorded to the microSD card on the PC.

- Video/audio files can be played using a media player that supports the AVI format.

Note

- Depending on the communication status when recording video/audio, the recorded data may not be saved properly and may be unable to be played back properly.

- System for video/audio files saved to microSD cards

- File format: AVI

- File location:

- /record**

- File name format:

001_001_2018_11_21_10_15.avi

Video/audio recording start time

Date (YYYYMMDD) video/audio was recorded

File split number (starting from 001)

* This will be 001 only if the file is not split.

Video/audio recording number (starting from 001)

Configuring the station sound a tone on a schedule

Configure the station to play a chime tone on the configured schedule.
Refer to "[Chime \(→page 74\)](#)" to configure chimes.

< Example schedule >
Monday to Friday: 8:30 am
Monday to Friday: 5:30 pm
Sunday: 12:00 am



Chime plays

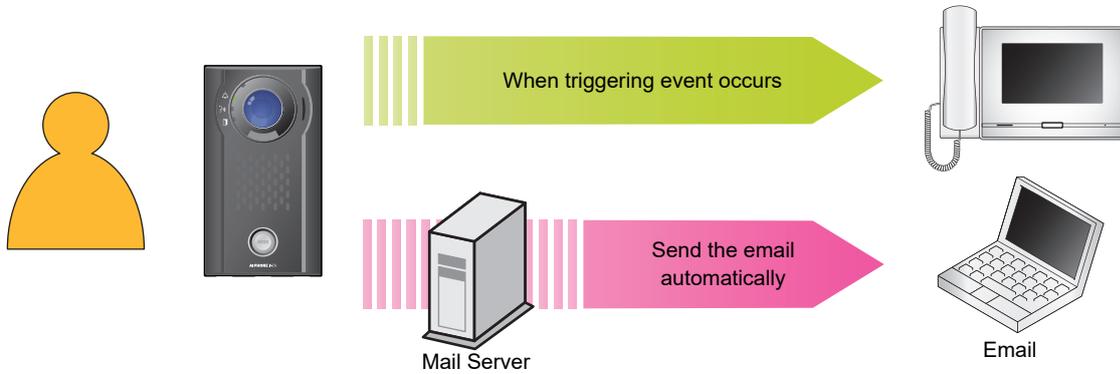


Note

- If a call or page is received while the chime is playing, the chime will be canceled.
- The chime will not play when placing a call, receiving a call, receiving a page, or communication.

Sending an email

An email can be sent to pre-registered email addresses using Email Event Trigger. For how to configure email settings, refer to ["Email \(→page 65\)"](#).



Example of sending email:

When performing an outgoing call from this station (station number "001") belonging to group number "01" by pressing the Call button with this station (station number: 003, station name: Video Door Station 3, location: North Entrance) set to priority "Urgent"

Source	△△△△@△△△△△.com
Date and time	11/20/2018 7:22
To CC	xxxx@xxxxx.com
Subject	003 Video Door Station 3 Urgent Outgoing Call
Description	A call was made at [20181120 07:21:40]. Source Station Number: [003] Source Station Name: [Video Door Station 3] Source Station Location: [North Entrance] Call Priority: [Urgent] Destination group number: [01] Destination Group Name: [Call Button] Destination Station Number: [001]

Note

- "UTF-8" is used to encode the "Subject." Characters may display incorrectly depending on the email client. To avoid this, set the encoding method to "UTF-8."
- If the call is placed from a Video Door Station, the email will include an image (JPEG).

Station Programming

Connect to the same network as the Door Station and manage the settings from PC web browser. If the Expanded System setting has been set to "Enable" in the Admin Settings, the setting cannot be set using a PC.

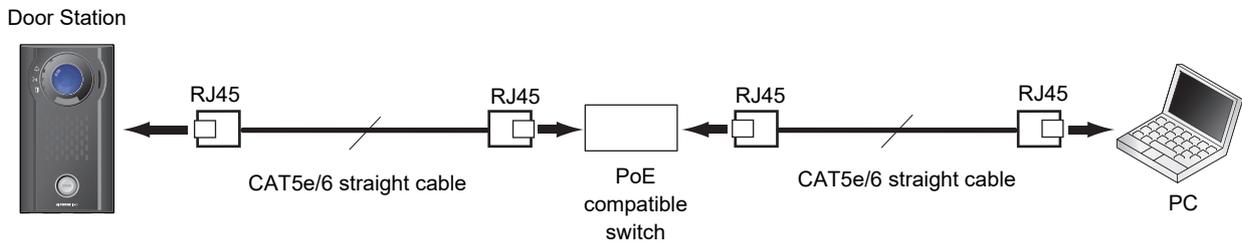
System requirements

The programming PC must meet the following requirements to proceed.

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

Connecting to a PC

Using a Cat5e/6 "Straight-Through" cable, connect the station and PC to the same PoE switch or injector.



Login to this station

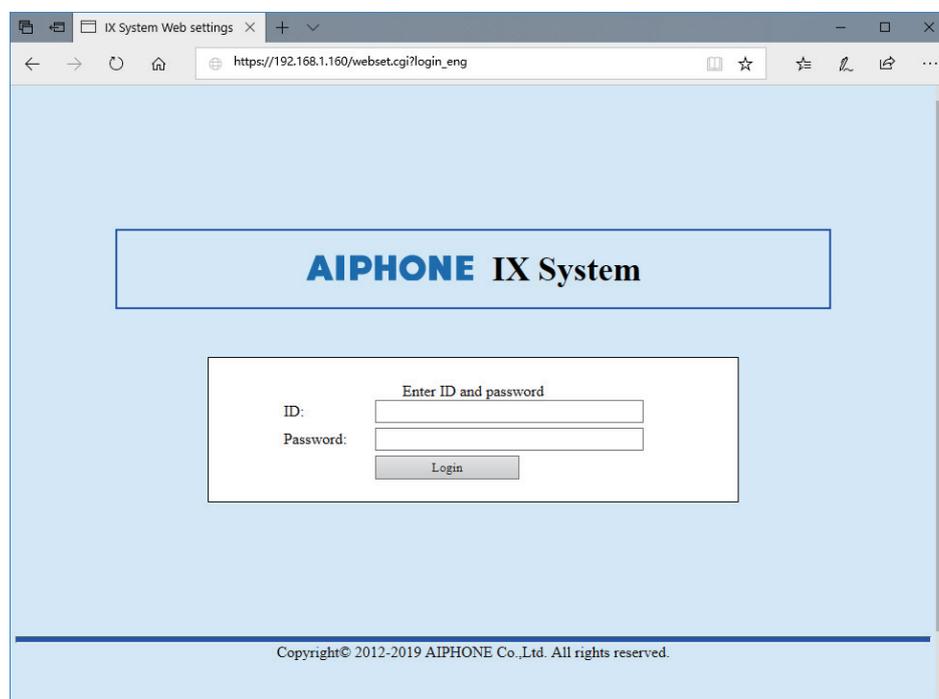
1. Start the PC and open one of the before mentioned web browsers.
2. Enter the address below into the web browser address bar.
 - IPv4 example - <https://IP address of this device/webset.cgi?login>
 - IPv6 example - [https://\[IP address of this device\]/webset.cgi?login](https://[IP address of this device]/webset.cgi?login)
 - If a certificate error window is displayed, click **[Go on to the webpage]**. To prevent it from appearing, the administrator will need to disable it. Contact your system administrator.
 - Language selection window will be displayed.

3. Select a language

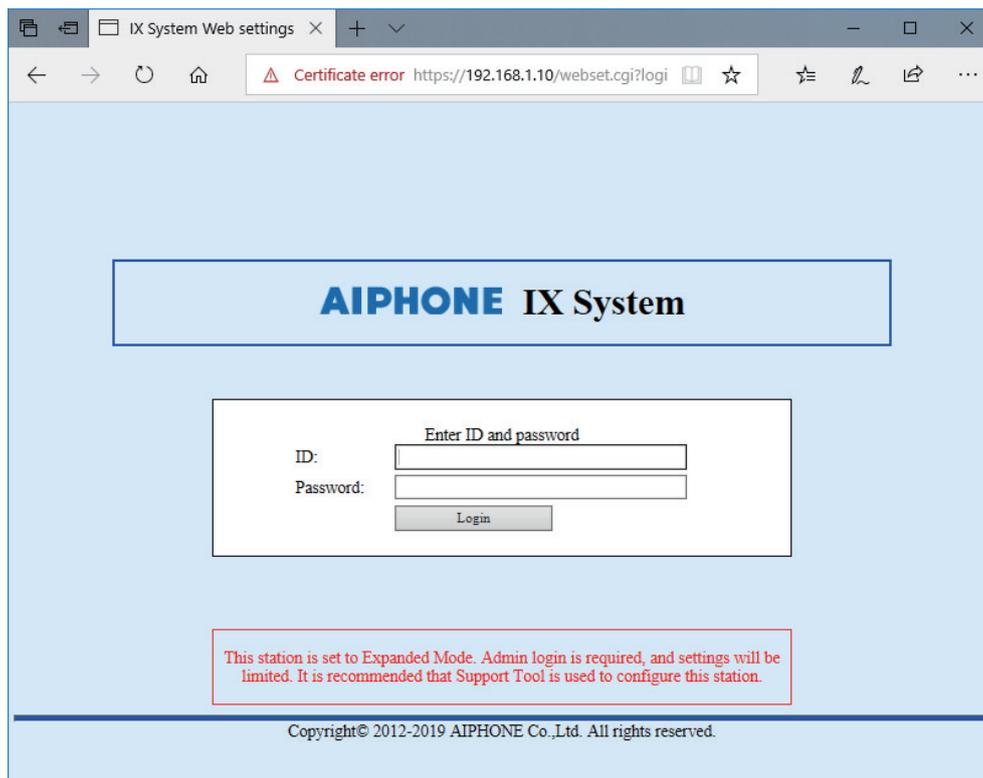


4. Enter the ID and password, and click [Login]

- Default values
 - ID: user
 - Password: user



- If the Expanded System setting is set to “Enable,” the following is displayed on the Login screen.



- This indicates the setting window.

Note

- Do not login multiple times using multiple browsers at one time on the same PC.
- The default IP address and Subnet mask values are:
 - IP Address: 192.168.1.160
 - Subnet Mask: 255.255.255.0
- Contact the system administrator if the IP address or subnet mask for the device is not known.

Setting window

When accessing the web server of the station, the following setting window will appear. The station can be configured in this window.

- Depending on PC and OS being used, the window may be slightly different.
- After configuring the station, confirm its operation by referring to the "Operation Manual (this document)."
- IX-DV screen shots are shown in this manual.

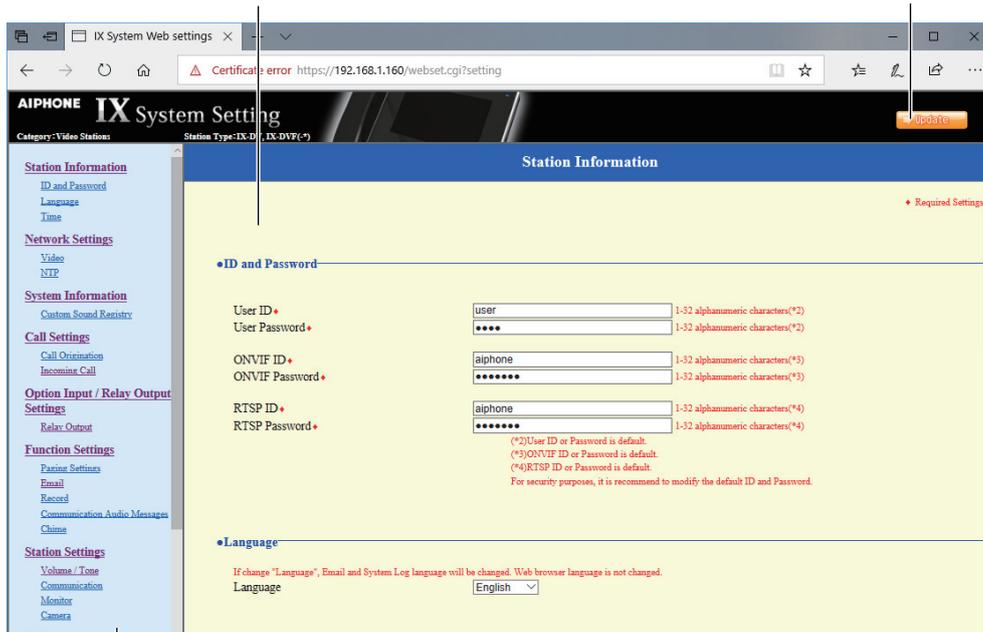
<Setting window example>

Setting window:

This indicates the setting window of the title selected.

Update button

Click this button to update the station settings.



Setting menu:

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

How to configure

1. Click the title to configure in the setting menu
 - The setting window for that particular title will be shown.
2. Configure each setting item
3. When you are done making changes, click **[Update]** to update the settings
 - When the settings are updated, **[Settings updated.]** will be shown at the top left corner in the window. If this fails, an error message will be shown.
 - To cancel any changes, click another title in the setting menu.
 - Do not remove power to the station while updating.
4. Repeat the steps 1 to 3 for other settings
 - To log out of the station, click **[Log out]** in the settings menu.



Note

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

List of settings

Entry	Reference page
Station Information	
ID and Password	
User ID	page 44
User Password	page 44
ONVIF ID (for IX-DV and IX-DVF(-*))	page 44
ONVIF Password (for IX-DV and IX-DVF(-*))	page 44
RTSP ID	page 44
RTSP Password	page 44
Language	
Language	page 45
Time	
Time Zone	
Select time zone	page 45
Daylight Savings Time	
Enable automatic daylight savings time	page 46
Date and Time	
Set date and time	page 46
Network Settings	
Video (for IX-DV and IX-DVF(-*))	
Video Encoder 1	
Resolution	page 47
Frame Rate [fps]	page 47
Select Profile	page 47
I-picture interval	page 47
Bit rate [kbps]	page 47
Video Encoder 2	
Second Video Encoder	page 48
Video Codec	page 48
Resolution	page 48
Frame Rate [fps]	page 48
Select Profile [H.264 / AVC]	page 48
I-picture interval [H.264/AVC]	page 48
Bit rate [kbps] [H.264 / AVC]	page 48
Select Quality [Motion-JPEG]	page 48
NTP	
Enable NTP	page 49

Entry	Reference page
System Information	
Custom Sound Registry	page 50
Call Settings	
Call Origination	
Call origination advanced settings	
Call Method	page 52
Ringback Tone	page 53
Call Timeout	page 53
Ringback Tone Count [time(s)]	page 53
Standard Mode Settings	page 54
Destination by Time Delay Settings	page 54
Schedule Settings	page 55
Tone Settings	
Busy Tone	page 57
Error Tone (Call Failed)	page 58
Call Restart Function	page 58
Incoming Call	
Call Answer Settings	
Auto Answer	page 59
Ringtone	
Ringtone	page 59
Ringback Tone Count [time(s)]	page 59
VoIP Phone	
VoIP Phone Call Priority	page 60
Option Input / Relay Output Settings	
Relay Output	
Relay Output advanced settings	
Door Release Authorization	page 62
Sound Settings	page 62
Option Relay Control Authentication Key	page 63
Function Settings	
Paging Settings	
Paging Pretone	page 64
Email	
Email Addresses	
Destination 1	page 65
Destination 2	page 65
Destination 3	page 65

Entry	Reference page
Email Event Trigger	
Outgoing Normal Call	page 65
Incoming Normal Call	page 65
Outgoing Priority Call	page 65
Incoming Priority Call	page 65
Outgoing Urgent Call	page 66
Incoming Urgent Call	page 66
Call Failed	page 66
Latch Reset	page 66
Error	page 66
Station Restarted	page 66
SD Card Error (except IX-SS-2G)	page 66
Recording Memory Full (except IX-SS-2G)	page 66
Subject	page 66
Periodic Log Transmission	
Periodic Log Transmission	page 67
Periodic Log Transmit Time	page 67
Periodic Log Transmit Interval	page 67
Periodic Log Transmission Subject	page 67
Send Test Email	page 68
Additional Settings (for IX-DV and IX-DVF(-*))	
Attach Image	page 68
Image Filename	page 68
Record (except IX-SS-2G)	
Record Mode	page 69
Record Event	page 69
Prevent Overwrite	page 69
Video Recording File Length	page 70
Audio Recording(for IX-DV and IX-DVF(-*))	page 70
Schedule Settings	
Weekly Schedule	page 71
Communication Audio Messages	
Start Communication	page 72
Code Received	
Code	page 73
Message	page 73

Entry	Reference page
Chime	
Weekly Schedule	
Start Time	page 74
Chime	page 75
Daily Schedule	
Start Time	page 77
Chime	page 77
Station Settings	
Volume / Tone	
Volume	
Transmit	page 78
Receive(except IX-SS-2G)	page 78
Receive (for IX-SS-2G)	page 78
VoIP Phone Volume Adjustment	page 78
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Key Received	page 80
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Communication	
Talk Timeout [sec]	page 82
Communication Start Tone	page 82
Monitor	
Monitored Notification Tone	page 83
Monitored LED Notification	page 83
Camera (for IX-DV and IX-DVF(-*))	
Adjustment	
Backlight Compensation	page 84
Low Light Sensitivity	page 84
White LED	
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Monitored	page 84
Maintenance	
Initialization	page 85

Station Information

ID and Password

ID and Password

User ID 1-32 alphanumeric characters(*2)
 User Password 1-32 alphanumeric characters(*2)

ONVIF ID 1-32 alphanumeric characters(*3)
 ONVIF Password 1-32 alphanumeric characters(*3)

RTSP ID 1-32 alphanumeric characters(*4)
 RTSP Password 1-32 alphanumeric characters(*4)

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

Entry	Description	Settings	Default values
User ID*1	Set the ID of the user account for logging in to the Web System Setting Server.	1 - 32 alphanumeric characters	user
User Password*1	Set the Password of the user account for logging in to the Web System Setting Server.	1 - 32 alphanumeric characters	user
ONVIF ID (for IX-DV and IX-DVF(-*)) ¹	Set the ID to access this station from 3rd party products using ONVIF.	1 - 32 alphanumeric characters	aiphone
ONVIF Password (for IX-DV and IX-DVF(-*)) ¹	Set the Password to access this station from 3rd party products using ONVIF.	1 - 32 alphanumeric characters	aiphone
RTSP ID*1	Set the ID to access this station from 3rd party products using RTSP.	1 - 32 alphanumeric characters	aiphone
RTSP Password *1	Set the Password to access this station from 3rd party products using RTSP.	1 - 32 alphanumeric characters	aiphone

*1 Indicates a required field. Use the default values, unless a change is necessary.

Note

- The ONVIF port number is "10080" and the RTSP port number is "554."
- Refer to "[Viewing video from IX-DV or IX-DVF\(-*\) with 3rd party products \(ONVIF\) \(→page 86\)](#)" for information on connecting IX-DV and IX-DVF(-*) with a 3rd party product.
- The "Administrator ID" (administrator setting) and "User ID" cannot be identical.
- "User Password," "ONVIF Password," and "RTSP Password " are displayed as "*****" on the screen.

Language

•Language

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

Language

Entry	Description	Settings	Default values
Language	Select the language for email and system log language. <ul style="list-style-type: none"> Language used for various settings (including the station name) Language used for email and system log 	<ul style="list-style-type: none"> Japanese English French Spanish Dutch Traditional Chinese Simplified Chinese 	English

Note

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

Time

•Time

Time Zone

Select time zone

Daylight Savings Time

Enable automatic daylight savings time Yes No

Date and Time

Update button does not set station time. Please press "Apply" button.

Set date and time Year Month Day Hour Minute Second

Important

- If the power is turned off for at least 30 minutes, the time and date will revert back to the default setting. If this happens, set the time and date again.

Time Zone

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

 **Note**

• When logging in to web configuration with the station in its default state at the first time, this will be set as follows depending on the language selected when logging in.

Japanese: (GMT+09:00) Osaka, Sapporo, Tokyo

English: (GMT-08:00) Pacific Standard Time (US), Tijuana

French: (GMT+01:00) Brussels, Madrid, Copenhagen, Paris

Spanish: (GMT+01:00) Brussels, Madrid, Copenhagen, Paris

Dutch: (GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm

Traditional Chinese: (GMT+08:00) Taipei

Simplified Chinese: (GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi

■ Daylight Savings Time

Entry	Description	Settings	Default values
Enable automatic daylight savings time	The daylight saving time is set automatically according by region selected in "Select time zone".	<ul style="list-style-type: none"> • Yes • No 	No

■ Date and Time

Clicking **[Update]** will not update the date and time settings on this station.

Instead, press **[Apply Time to Station]** to update.

Entry	Description	Settings	Default values
Set date and time	Set the current time for the station. This is a required setting.	00:00:00/1/1/2018 - 3:59:59/ 12/31/2037 [Sync with PC]: Set to the current time setting of the PC.	The time from 00:00:00/1/1/2018 with the time difference set in "Select time zone" applied

Network Settings

Video (for IX-DV and IX-DVF(-*))

■ Video Encoder 1

Configure the video encoder for transmission between IX stations. The coding system used is H.264 / AVC.

• Video

Video Encoder 1

Resolution 320x240(QVGA) 640x480(VGA)

Frame Rate [fps]

Select Profile

I-picture interval 1-100

Bit rate [kbps]

! Important

- When the "Frame Rate" is set to 7.5, 10, 15, 20 or, 30 fps, after approximately 10 minutes following the start of an outgoing call, the frame rate will automatically drop to 5 fps.

💡 Note

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

Entry	Description	Settings	Default values
Resolution	Select the video resolution of Video Encoder 1.	<ul style="list-style-type: none"> • 320×240 (QVGA) • 640×480 (VGA) 	640×480 (VGA)
Frame Rate [fps]	Set the Frame Rate [fps] of Video Encoder 1.	1, 2, 3, 5, 7.5, 10, 15, 20, 30	15
Select Profile	Select the H.264/AVC Profile of Video Encoder 1.	<ul style="list-style-type: none"> • Baseline • Main • High 	Main
I-picture interval*1	Set the interval to send H.264/AVC I-picture of Video Encoder 1.	1 - 100	15
Bit rate [kbps]	Set the H.264/AVC Bit Rate of Video Encoder 1.	32, 64, 128, 256, 384, 512, 768, 1024, 2048	1024

*1 Indicates a required field. Use the default values, unless a change is necessary.

Video Encoder 2

Set when transmitting video using ONVIF.

To view video from IX-DV or IX-DVF(-*) with a 3rd party product, refer to [“Viewing video from IX-DV or IX-DVF\(-*\) with 3rd party products \(ONVIF\) \(→page 86\)”](#).

Important

- Settings may need to be changed when connected to 3rd party products. For details, refer to the manual of those products.

Note

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

Video Encoder 2

Second Video Encoder Enable Disable

Video Codec H.264/AVC Motion-JPEG

Resolution 1280x720(HD)

Frame Rate [fps] 10

Select Profile [H.264 / AVC] Main

I-picture interval [H.264/AVC]*1 10 1-100

Bit rate [kbps] [H.264 / AVC] 2048

Select Quality [Motion-JPEG] 6

Entry	Description	Settings	Default values
Second Video Encoder	Select Enable / Disable for Second Video Encoder. Set to "Enable" to send the video using ONVIF.	<ul style="list-style-type: none"> Enable Disable 	Enable
Video Codec	Select the Video Codec of Video Encoder 2.	<ul style="list-style-type: none"> H.264 / AVC Motion-JPEG 	H.264 / AVC
Resolution	Select the video resolution of Video Encoder 2.	<ul style="list-style-type: none"> 320×240 (QVGA) 640×480 (VGA) 800×480(WVGA) 1280×720(HD) 1280×960(SXVGA) 	1280x720(HD)
Frame Rate [fps]	Set the Frame Rate [fps] of Video Encoder 2.	1, 2, 3, 5, 7.5, 10, 15, 20, 30	10 fps
Select Profile [H.264 / AVC]	Select the H.264/AVC Profile of Video Encoder 2.	<ul style="list-style-type: none"> Baseline Main High 	Main
I-picture interval [H.264/AVC]*1	Set the interval to send H.264/AVC I-picture of Video Encoder 2.	1 - 100	10
Bit rate [kbps] [H.264 / AVC]	Set the H.264/AVC Bit Rate of Video Encoder 2.	32, 64, 128, 256, 384, 512, 768, 1024, 2048, 4096, 8192	2048 kbps
Select Quality [Motion-JPEG]	Select the Quality of Motion-JPEG of Video Encoder 2.	1 (low) to 10 (high)	6

*1 Indicates a required field. Use the default values, unless a change is necessary.

NTP

•NTP

Enable NTP Yes No Use

■ Enable NTP

Entry	Description	Settings	Default values
Enable NTP	Select Yes / No Use to synchronize the time with an NTP server. An NTP server must be configured separately if using an NTP server. Contact your system administrator.	<ul style="list-style-type: none">• Yes• No Use	No Use

System Information

Custom Sound Registry

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

Supported file format

- File format: .wav
- File name: Within 41 characters (excluding extension)
- Audio sampling size: 16 bits
- Audio sampling rate: 8 kHz and 16 kHz
 8 kHz (when "Audio Codec" is set to "G.711 (μ-Law)" or "G.711 (A-Law)")
 16 kHz (when "Audio Codec" is set to "G.722")
 Contact the system administrator for information on the audio codec.
- Number of channels: One (mono)

 **Note**

- When using the acknowledged tone, provide a silence period for the sound source.
- Sample files of custom tones are provided on our website (<https://www.aiphone.net/support/>) for download. Use the files in it as audio sources.

Custom Sound Registry

Register the file with the sampling frequency of the codec (G.711: 8 kHz G.722: 16 kHz)
 specified in "Audio Codec" under "Network Settings".

#	Name	Browse for .wav file (Less than 200 sec, cumulative)	Delete
1		Browse...	<input type="checkbox"/>
2		Browse...	<input type="checkbox"/>
3		Browse...	<input type="checkbox"/>
4		Browse...	<input type="checkbox"/>
5		Browse...	<input type="checkbox"/>
6		Browse...	<input type="checkbox"/>
7		Browse...	<input type="checkbox"/>
8		Browse...	<input type="checkbox"/>
9		Browse...	<input type="checkbox"/>
10		Browse...	<input type="checkbox"/>
11		Browse...	<input type="checkbox"/>
12		Browse...	<input type="checkbox"/>
13		Browse...	<input type="checkbox"/>
14		Browse...	<input type="checkbox"/>
15		Browse...	<input type="checkbox"/>

Sound file format:
 File Type: .wav
 File Name: 1-41 alphanumeric characters (without file extensions)
 Sample Size: 16 bits
 Sample Rate: 8 or 16 kHz
 Channel: 1 (monaural)

How to upload

1. Click **[Browse]** on the row of the station with which to register the audio file.

2. Select the audio file, click **[Open]**.
 - Information of the selected audio file will be displayed.
 - Name: Shows the file name of the audio file. Up to 24 alphanumeric characters will be displayed. The name will be shown as the setting value when configuring the ringtone etc. If the file name of the audio file exceeds the character limit above, it will partially be shown. A different name from the original file name can be used.
 - Browse for .wav file: The audio file reference destination is shown.

3. Click **[Update]**.

How to delete

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

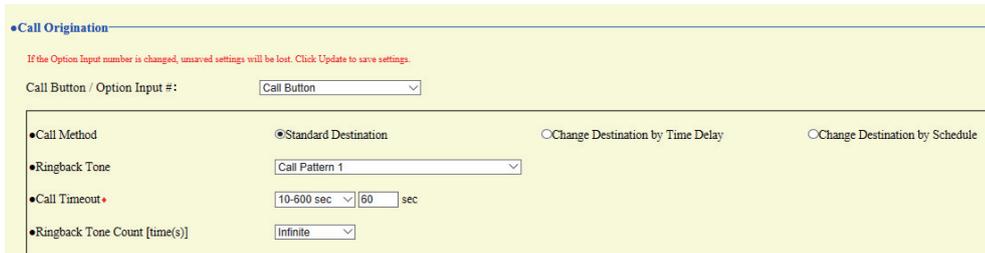
Call Settings

Call Origination

Click **[Call Origination]**.



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



■ Call Origination advanced settings

How to configure advanced Call Origination

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

Entry	Description	Settings	Default values
Call Method	Select the Call Method to change call destinations automatically by time delay or schedule. For details on how to configure the settings, refer to "How to configure Standard Destination (→page 54)" or later.	<ul style="list-style-type: none"> • Standard Destination: Do not change call destination automatically. • Change Destination by Time Delay: Switches on the timer configured with "Destination Dwell Time [sec]*1 (→page 54)". • Change Destination by Schedule: Change destination group by "How to configure Change Destination by Schedule (→page 55)". 	Standard Destination

Entry	Description	Settings	Default values
Ringback Tone	Select the sound to be played by the station when placing a call.	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry" (→page 50)". 	Call Button: Call Pattern 1 Option Input 1: Call Pattern 2 Option Input 2: Call Pattern 3 Option Input 3: Call Pattern 4 Option Input 4: Call Pattern 5 Option Input 5: Call Pattern 6 Option Input 6: Tremolo Sound
Call Timeout* ¹	Set the Call Timeout for outgoing call.	<ul style="list-style-type: none"> • 10 - 600 sec: Select to set between 10-600 sec (by 1 sec). • Infinite: Keep calling until call is answered. 	60sec
Ringback Tone Count [time(s)]	Set the play count of ringback tone for outgoing call.	<ul style="list-style-type: none"> • 1-20 times • Infinite: The ringback tone will continue for the amount of time configured in "Call Timeout." 	Infinite

*1 Indicates a required field. Use the default values, unless a change is necessary.



Note

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

How to configure Standard Destination

Configure the call group number and call priority when [“Call Method \(→page 52\)”](#) is set to **[Standard Destination]**.

•Standard Mode Settings

Call Destination	Priority
01	Normal

Entry	Description	Settings	Default values
Call Destination	Select the destination group.	01 to 10	Call Button: 01 Option input 1 - 5: - Option Input 6: 01
Priority	Select the priority.	<ul style="list-style-type: none"> • Normal • Priority • Urgent 	Call Button: Normal Option input 1 - 5: Normal Option Input 6: Urgent

How to configure Change Destination by Time Delay

Configure the call group to change the destination, and the priority when [“Call Method \(→page 52\)”](#) is set to **[Change Destination by Time Delay]**.

A maximum of eight groups can be configured. Groups will be switched in order at each configured Destination Dwell Time.

•Destination by Time Delay Settings

#	Call Destination	Priority
1		Normal
2		Normal
3		Normal
4		Normal
5		Normal
6		Normal
7		Normal
8		Normal

Destination Dwell Time [sec] • 30 10-600sec / 1 sec step

Entry	Description	Settings	Default values
Call Destination	Select the destination group.	01 to 10	-
Priority	Select the priority.	<ul style="list-style-type: none"> • Normal • Priority • Urgent 	Call Button: Normal Option input 1 - 5: Normal Option Input 6: Urgent
Destination Dwell Time [sec]**1	Select the delay time to change the call destination.	10-600 seconds (1 sec step)	30 sec

*1 Indicates a required field. Use the default values, unless a change is necessary.

How to configure Change Destination by Schedule

Configure this if "Call Method (→page 52)" is set to [Change Destination by Schedule].

● Weekly Schedule

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

●Schedule Settings

Weekly Schedule
Up to 12 schedules can be set per day.

#	Start Time		End Time		Call Destination	Priority	Start Time		H
	Hour	Minute	Hour	Minute			Hour	Minute	
1									H
2									H
3									H
4									H
5									H
6									H
7									H
8									H
9									H
10									H
11									H
12									H

How to configure the Weekly Schedule

1. Configure the "Start Time," "End Time," "Call Destination," and "Priority" for each day of the week.
2. Click [Update].

Entry	Description	Settings	Default values
Start Time	Set the time to start changing the call destination.	00:00 - 23:59	-
End Time	Set the time to stop changing the call destination. If this is set earlier than "Start Time," the end time will be for the following day.	00:00 - 23:59	-
Call Destination	Set the call destination to change within the schedule.	01 to 10	-
Priority	Set the priority of calls.	<ul style="list-style-type: none"> • Normal • Priority • Urgent 	-

How to delete the Weekly Schedule

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

● Daily Schedule

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

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

Calendar: << December, 2017 >>

Legend:
■ = Weekly
■ = Daily
■ = Today

0/12 Registered Schedules

Start Time: [Hour] [Minute] End Time: [Hour] [Minute] Call Destination: [] Priority: [] Add (*) Press "Add" button to register.

Sunday, December 31 Outgoing Call Schedule List (Daily, Weekly)

#	Type	Start Time	End Time	Call Destination	Priority	Delete
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						

Schedule List

How to configure the Daily Schedule

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

Entry	Description	Settings	Default values
Start Time	Set the time to start changing the call destination.	00:00 - 23:59	-
End Time	Set the time to stop changing the call destination. If this is set earlier than "Start Time," the end time will be for the following day.	00:00 - 23:59	-
Call Destination	Set the call destination to change within the schedule.	01 to 10	-
Priority	Set the priority of calls.	<ul style="list-style-type: none"> • Normal • Priority • Urgent 	-

How to delete Daily Schedule

1. Select the day to delete a schedule from "Calendar."
2. Schedules for the selected day are displayed in the "Schedule List."
 - If a weekly schedule is configured for the selected day of the week, it will also be displayed.

3. Click **[Delete]** for the schedule to delete, and click **[Update]**.
- Refer to [“How to delete the Weekly Schedule \(→page 55\)”](#) for information on deleting weekly schedules.

■ Tone Settings

Tone Settings

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

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

Entry	Description	Settings	Default values
Busy Tone	Select the sound to be played when call destination station is busy.	<ul style="list-style-type: none"> • None • Call Pattern 1 • Call Pattern 2 • Call Pattern 3 • Call Pattern 4 • Call Pattern 5 • Call Pattern 6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone 1 • Pre Tone 2 • Pre Tone 3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 50)”. 	Busy Response Tone

Entry	Description	Settings	Default values
Error Tone (Call Failed)	Select the sound to be played when outgoing call has failed.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry" (→page 50)". 	Error

■ Call Restart Function

Call Restart Function
 Call Restart Function Enable Disable

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

Incoming Call

•Incoming Call

Call Answer Settings

Auto Answer ON OFF

Ringtone

Ringtone Call Pattern 3

Ringback Tone Count [time(s)] Infinite

VoIP Phone

VoIP Phone Call Priority Normal

■ Call Answer Settings

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

■ Ringtone

Entry	Description	Settings	Default values
Ringtone	Select the ringtone to be played for incoming call.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in “Custom Sound Registry (→page 50)” can also be selected. 	Call Pattern3
Ringback Tone Count [time(s)]	Set the play count of ringtone for incoming call.	<ul style="list-style-type: none"> • 1-20 times • Infinite: The ringtone continues until the call is connected or the caller stops calling. 	Infinite

■ VoIP Phone

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

Option Input / Relay Output Settings

Relay Output

●Relay Output

If the Relay Output number is changed, unsaved settings will be lost. Click Update to save settings.

Relay Output #

●Door Release Authorization

Authentication Key

(*) 1-20 digits
(*) Authentication Key must match between communicating stations to enable Door Release.

●Sound Settings

Door Release

(*) Tone generated at door release destination station.

Relay Control (start)

(*) Tone generated at door release destination station.

Relay Control (end)

(*) Tone generated at door release destination station.

Option Relay Control Authentication Key: 1-20 digits

■ Relay Output settings

How to configure Relay Output

1. Select the relay output to set in "Relay Output #."
 - Settings for the selected relay output will be displayed.
2. Configure each item.
3. Click **[Update]**.

Entry	Description	Settings	Default values
Authentication Key	Set the Authentication Key when "Door Release" is selected in "Function (administrator setting)" for releasing the door that is connected to the station. When the "Authentication Key" is confirmed, the relay output will be activated. This will also be the authentication key used to release the door using the numerical keypad on IX-MV7-* or the VoIP Phone.	1 - 20 digits	-
Sound Settings	<ul style="list-style-type: none"> • Door Release: Select the Door Release sounds to be played. • Relay Control (start): Select the sound to be played when Option Relay is activated. • Relay Control (end): Select the sound to be played when Option Relay is deactivated. 	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (→page 50)" can also be selected. 	Door Release: Operation Sound Relay Control (start): None Relay Control (end): None

Important

- Configure the authentication key using 1 to 4 digits if the electrical lock connected to this device will be released by operating IX-MV.
- Configure a different authentication key for each output terminal (the same key cannot be configured.)
- Configure a different authentication key than the authentication key configured in "[Communication Audio Messages](#) ([→page 72](#))" and "Option Relay Control Authentication Key." If it is the same, both functions might operate.

Note

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

■ Option Relay Control Authentication Key

Entry	Description	Settings	Default values
Option Relay Control Authentication Key	If "Option Relay Control (administrator setting)" is set to "Enable," and "Speed Dials / Favorites" - "TLS" is set to "Enable" on the requesting station, configure the key used to decrypt encrypted communication. If this matches the "Option Relay Control Key" of the station that performs the operation, the Relay Output may be controlled.	1 - 20 digits	-



Note

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

Function Settings

Paging Settings



Entry	Description	Settings	Default values
Paging Pretone	Select the Paging Pretone.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (→page 50)" can also be selected. 	Pre Tone2

Important

- Configure a tone with a shorter duration than the pretone of the paging station. If the tone is too long, audio may not be received at the beginning of the page.

Email

Configure the email function (function that sends information of the operation of the Door Station to the pre-registered email address.).

! Important

- If an SMTP server is not configured, email will not be sent even if email is configured. If email is not sent, contact the system administrator.

■ Email Addresses

•Email

Email Addresses

Destination 1	<input type="text"/>	1-64 alphanumeric characters
Destination 2	<input type="text"/>	1-64 alphanumeric characters
Destination 3	<input type="text"/>	1-64 alphanumeric characters

Entry	Description	Settings	Default values
Destination 1 - Destination 3	Set the destination email address. Define up to three addresses.	1 - 64 alphanumeric characters	-

■ Email Event Trigger

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

Email Event Trigger

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

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

Entry	Description	Settings	Default values
Outgoing Urgent Call	Send email when an outgoing call is placed at "Urgent" priority.	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send 	Unchecked: Do not send
Incoming Urgent Call	Send email when an incoming call is received at "Urgent" priority.	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send 	Unchecked: Do not send
Call Failed	Send email when outgoing call has failed.	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send 	Unchecked: Do not send
Latch Reset	Send email when reset latch relay output. ("Latch Output" is selected in "Relay Output" - "Function (administrator setting)".)	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send 	Unchecked: Do not send
Error	Send email when a communication error has occurred.	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send 	Unchecked: Do not send
Station Restarted	Send email when the station has reset.	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send 	Unchecked: Do not send
SD Card Error (except IX-SS-2G)	Send email when a microSD access error is detected. If the error is detected continuously, mail will not be sent an additional time.	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send 	Unchecked: Do not send
Recording Memory Full (except IX-SS-2G)	Send email when a microSD card meets following criteria. If the error is detected continuously, mail will not be sent an additional time. <ul style="list-style-type: none"> • When "Prevent Overwrite (→page 69)" is set to "ON" <ul style="list-style-type: none"> – Recorded recordings exceeds 950 – Storage capacity remaining 5% • When "Prevent Overwrite (→page 69)" is set to "OFF" <ul style="list-style-type: none"> – Recorded recordings exceeds 999 – Storage capacity remaining 0% 	<ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send 	Unchecked: Do not send

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

Event	Subject 1-64 alphanumeric characters
Outgoing Normal Call	
Incoming Normal Call	
Outgoing Priority Call	
Incoming Priority Call	
Outgoing Urgent Call	
Incoming Urgent Call	
Call Failed	
Latch Reset	
Error	
Station Restarted	
SD Card Error	
Recording Memory Full	

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

! Important

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

■ Periodic Log Transmission

Periodic Log Transmission

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

Entry	Description	Settings	Default values
Periodic Log Transmission	Select Enable / Disable for send station log periodically.	<ul style="list-style-type: none"> • Enable • Disable 	Disable
Periodic Log Transmit Time	Set the time to send the periodic log.	00:00 - 23:59	00:00
Periodic Log Transmit Interval	Select the interval to send the periodic log.	Every 1-7 days	1 day
Periodic Log Transmission Subject	Set the email subject for Periodic Log Transmission. This is used for all destination addresses.	1 - 64 alphanumeric characters	-

! Important

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

■ Send Test Email

Send a test email to the address specified in ["Email Addresses \(→page 65\)"](#).



How to send a test email

1. Click **[Send]**.
2. The following email message will be sent to the configured address.

Example of sending an email message:

When sending a test email from this station (Station Number: 003, Station Name: Door Station 3, Location: 2F West).

Source	△△△△@△△△△△.com
Date and time	7:22 11/20/2018
To CC	xxxx@xxxxx.com
Subject	003 Door Station 3 Test Email
Description	Test Email sent at "20181120 15:22:46." Station Number: [003] Station Name: "Door Station 3" Station Location: [2F West]

! Important

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

■ Additional Settings (For IX-DV and IX-DVF(-*))



Entry	Description	Settings	Default values
Attach Image	Select Enable / Disable to send an image with the email when "Outgoing Normal Call", "Outgoing Priority Call" and "Outgoing Urgent Call" is selected in "Email Event Trigger".	<ul style="list-style-type: none"> • Enable • Disable 	Disable
Image Filename	Set the filename of a image file when "Attach Image" is enabled.	1 - 64 alphanumeric characters	-

! Important

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

Record (except IX-SS-2G)

Configure settings related to video/audio recording. If there is no image, only audio will be recorded. When recording audio during a call, audio of this station will also be recorded.

! Important

- Video/audio cannot be recorded even if configured if no microSD card is inserted. Refer to [“microSD Cards \(IX-SSA\(-*\), IX-DV, and IX-DVF\(-*\)\) \(→page 20\)”](#) for details.



Entry	Description	Settings	Default values
Record Mode	Select the Record Mode.	<ul style="list-style-type: none"> • No Recording • Event Recording: Automatically record when the trigger set in "Record Event" has occurred. • 24/7 Recording: Keep recording 24/7 while station is operating normally. 	No Recording
Record Event	Configure the trigger in use to start recording video/audio automatically.	<p>Select from the following. (Multiple selections allowed)</p> <ul style="list-style-type: none"> • Not selected: Video/audio is not automatically recorded. • Outgoing Call: Video recording will start when a call is placed. Audio recording will start once the outgoing call is answered. For IX-SSA(-*) or IX-SS-2G, audio recording will start once the outgoing call is answered. • Communication: Recording starts when communication begins. • Monitored: Recording starts when station is Monitored. • Schedule: Record during schedule set in “Schedule Settings (→page 71)”. 	Not selected
Prevent Overwrite	Set prevent overwriting the old recorded file, the entire storage space of the microSD card, or the video/audio recording storage space of the microSD card is full.	<ul style="list-style-type: none"> • Enable • Disable 	Disable

Entry	Description	Settings	Default values
Video Recording File Length	Select the recording file length to split recording. Once recording has reached this time, a new recording file will be made automatically.	<ul style="list-style-type: none"> • 5 min • 10 min • 20 min • 40 min • 60 min 	10 min
Audio Recording (for IX-DV and IX-DVF(-*))	Select Enable / Disable for audio recording with video.	<ul style="list-style-type: none"> • Enable • Disable 	Enable

Important

- Video/audio recording will continue for the time set in [“Schedule Settings \(→page 71\)”](#), regardless of what is configured for other triggers.

Note

- If the [“Video Recording File Length \(→page 70\)”](#) setting is changed during video/audio recording, the setting will not be applied until recording is stopped.

■ Schedule Settings

Configure the time to record video/audio when [“Record Event \(→page 69\)”](#) is set to "Schedule."

● Weekly Schedule

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

Schedule Settings

Weekly Schedule
Up to 12 schedules can be set per day.

#	Sun				Mon				Start Time
	Start Time		End Time		Start Time		End Time		
1	Hour	Minute	Hour	Minute	Hour	Minute	Hour	Minute	Hour
2	Hour	Minute	Hour	Minute	Hour	Minute	Hour	Minute	Hour
3	Hour	Minute	Hour	Minute	Hour	Minute	Hour	Minute	Hour
4	Hour	Minute	Hour	Minute	Hour	Minute	Hour	Minute	Hour
5	Hour	Minute	Hour	Minute	Hour	Minute	Hour	Minute	Hour
6	Hour	Minute	Hour	Minute	Hour	Minute	Hour	Minute	Hour
7	Hour	Minute	Hour	Minute	Hour	Minute	Hour	Minute	Hour
8	Hour	Minute	Hour	Minute	Hour	Minute	Hour	Minute	Hour
9	Hour	Minute	Hour	Minute	Hour	Minute	Hour	Minute	Hour

How to configure the Weekly Schedule

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

Entry	Description	Settings	Default values
Start Time	Set the Start Time to begin recording..	00:00 - 23:59	-
End Time	Set the End Time to stop recording. If this is set earlier than "Start Time," the end time will be for the following day.	00:00 - 23:59	-

How to delete the Weekly Schedule

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

Communication Audio Messages

Configure the Communication Audio Messages.

Communication Audio Messages: This function send messages to destination station when beginning communication or by keypad input from the other station. (IX-MV7-* or a VoIP Phone).

•Communication Audio Messages

Start Communication

Code Received

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

■ Start Communication

Entry	Description	Settings	Default values
Start Communication	Select the message to be sent to destination station when beginning communication.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry" (→page 50). 	None

■ Code Received

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

Entry	Description	Settings	Default values
Code	Set the code to play message by keypad input from IX-MV7-* or a VoIP Phone.	1 - 20 digits	-
Message	Set the code to play message by keypad input from IX-MV7-* or a VoIP Phone.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry" (→page 50)". 	None

Chime

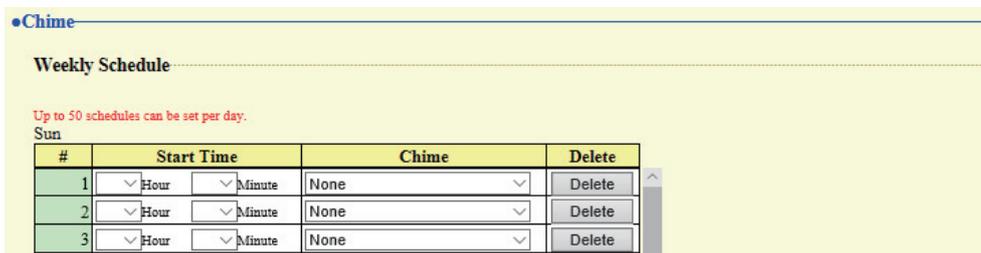
Configure the chime tone to be played from this station linked with the set schedule.
Click **[Chime]**.



Or, click "Chime" in the Setting menu to display the Chime screen.

Weekly Schedule

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



How to configure the Weekly Schedule

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

Entry	Description	Settings	Default values
Start Time	Set the Time to ring Chime.	00:00 - 23:59	-
Chime	Set the sound for chime.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (->page 50)" can also be selected. 	None

How to delete the Weekly Schedule

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

■ Daily Schedule

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

Daily Schedule

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

<< January, 2018 >> Calendar

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

Wednesday, January 3, 2018

0/50 Registered Schedules

Start Time		Chime	
<input type="text" value="Hour"/>	<input type="text" value="Minute"/>	<input type="text" value="None"/>	<input type="button" value="Add"/>

Wednesday, January 3 Chime Schedule List (Daily, Weekly) (*) Press "Add" button to register.

#	Type	Start Time	Chime	Delete
1				<input type="button" value="X"/>
2				<input type="button" value="X"/>

Set schedule list

How to configure the Daily Schedule

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

Entry	Description	Settings	Default values
Start Time	Set the Time to ring Chime.	00:00 - 23:59	-
Chime	Set the sound for chime.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry" (→page 50)". 	None

How to delete the Daily Schedule

1. Select the day for which to delete a schedule from "Calendar."
2. Schedules for the selected day are displayed in the "Set schedule list."
 - If a weekly schedule is configured for the selected day of the week, it will also be displayed.
3. Click **[Delete]** for the schedule to delete, and click **[Update]**.
 - Refer to "[How to delete the Weekly Schedule \(→page 75\)](#)" for information on deleting weekly schedules.

Station Settings

Volume / Tone

•Volume / Tone

Volume

Transmit

Receive

VoIP Phone Volume Adjustment

Ringtone

Paging

Tone

Communication Timeout Notification

Communication End Pretone

Auto Answer Tone

Key Received

Error

■ Volume

Entry	Description	Settings	Default values
Transmit	Set the transmit volume while communicating and being monitored.	1 - 10	10
Receive (except IX-SS-2G)	Select the receive volume while communicating. This sets the Ringback Tone volume, as well.	1 - 10	6
Receive (for IX-SS-2G)	Set the receive volume while communicating and paging. This sets the Ringback Tone volume, as well.	1 - 10	10
VoIP Phone Volume Adjustment	Select the volume adjustment between VoIP Phones and IX stations.	<ul style="list-style-type: none"> -12dB from VoIP, +12dB to VoIP -6dB from VoIP, +6dB to VoIP No Adjustment +6dB from VoIP, -6dB to VoIP +12dB from VoIP, -12dB to VoIP 	No Adjustment
Ringtone	Select the volume for Ringtone and Paging Pretone.	0: Mute, 1 - 10	IX-SS-2G: 10 IX-DV, IX-DVF(-*), IX-SSA(-*): 6
Paging (except IX-SS-2G)	Set the volume while receiving page.	0: Mute, 1 - 10	6

■ Tone

Entry	Description	Settings	Default values
Communication Timeout Notification	Select the tone to be played when an outgoing call times out.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (→page 50)". 	Error
Communication End Pretone	Select the tone to be played 10 sec before communication, paging or monitoring ends.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (→page 50)". 	Communication End Pretone

Entry	Description	Settings	Default values
Auto Answer Tone	Ringtone when receiving an individual call. "Auto Answer (→page 59)" set to "ON."	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (→page 50)". 	Pre Tone1
Key Received	Configure the tone to send to the destination station when the door release key entered using a keypad on the destination station (station performing a door release operation) matches the authentication key of this station. (station connected to the electrical lock) The tone will be heard on the other station.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry (→page 50)". 	None

Entry	Description	Settings	Default values
Error	Select the tone to be played when error has occurred.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry" (→page 50). 	Error

Communication

•Communication

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

Communication Start Tone

Entry	Description	Settings	Default values
Talk Timeout [sec]* ¹	Set the communication timer when placing a call. Communication timer when receiving a call is set at the destination station.	<ul style="list-style-type: none"> • 30-600 sec: Choose this to set a time between 30 and 600 sec (by 1 sec). • Infinite: No timeout. 	60sec
Communication Start Tone	Select the tone to be played when communication starts.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry" (→page 50)". 	None

*1 Indicates a required field. Use the default values, unless a change is necessary.

Important

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

Monitor

•Monitor

Monitored Notification Tone

Monitored LED Notification ON OFF

Entry	Description	Settings	Default values
Monitored Notification Tone	Select the tone to be played when monitored by another station.	<ul style="list-style-type: none"> • None • Call Pattern1 • Call Pattern2 • Call Pattern3 • Call Pattern4 • Call Pattern5 • Call Pattern6 • Tremolo Sound • Busy Response Tone • On Hold • Operation Sound • Error • Pre Tone1 • Pre Tone2 • Pre Tone3 • Communication End Pretone • Call Queue Notification • Waiting Reply Tone • Select a sound that is registered in "Custom Sound Registry" (→page 50)". 	None
Monitored LED Notification	Select ON / OFF for status LED notification (Blue flashing) while being monitored by another station.	<ul style="list-style-type: none"> • ON • OFF 	OFF

Camera (For IX-DV and IX-DVF(-*))

Configure camera settings.

● Camera		
Adjustment		
Backlight Compensation	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable
Low Light Sensitivity	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable
White LED		
Call / Communication	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable
Monitored	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable

■ Adjustment

Entry	Description	Settings	Default values
Backlight Compensation	During an outgoing call or monitoring, video with backlight compensation adjustment will be sent to the destination station. The adjustment can be removed through operation by the destination station.	<ul style="list-style-type: none"> • Enable • Disable 	Disable
Low Light Sensitivity	Send an image that low light sensitivity compensation was performed to the other station, when an outgoing call is made or the station is being monitored and the surrounding area is dark (such as at night). The compensation can be removed on the other station.	<ul style="list-style-type: none"> • Enable • Disable 	Disable

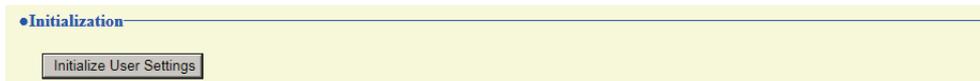
■ White LED

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

Maintenance

Initialization

Initialization resets all settings back to default.



How to initialize

1. Click **[Initialize User Settings]**.
2. Click **[OK]**.
 - Click **[Cancel]** to cancel the initialization.

Important

- If the initialization process fails, a message (**[Error: Station initialization failed.]**) will be displayed. Re-initialize if this happens.

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

IX-DV and IX-DVF(-*) are compatible with the "ONVIF profile S" ONVIF interface standard. Video and audio of IX-DV and IX-DVF(-*) can be monitored on a 3rd party product.

! Important

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

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

1. Select "Enable" for ["Second Video Encoder \(→page 48\)"](#).
2. Configure video and audio settings.
 - Configure video in ["Video Encoder 2 \(→page 48\)"](#) (the Video 2 RTP port number is an administrator setting), and audio in "Audio 2 RTP Start Port (administrator setting)" and "Audio 2 RTP End Port (administrator setting)."
3. Register IX-DV or IX-DVF(-*) with a 3rd party product.
 - Enter the following as necessary.
 - ONVIF ID: Configure in ["ONVIF ID \(for IX-DV and IX-DVF\(-*\)\)¹ \(→page 44\)"](#)
 - ONVIF Password: Configure in ["ONVIF Password \(for IX-DV and IX-DVF\(-*\)\)¹ \(→page 44\)"](#)
 - ONVIF port number: 10080
 - RTSP ID: Configure in ["RTSP ID \(→page 44\)"](#)
 - RTSP Password : Configure in ["RTSP Password \(→page 44\)"](#)
 - RTSP port number: 554
 - For how to register, refer to the instruction manual of the 3rd party product.

Specifications

Power	IX-SS-2G: PoE (IEEE802.3af Class0 standard) IX-DV, IX-DVF(-*), and IX-SSA(-*): PoE (IEEE802.3af/at Class0 standard)/PS-2420
Consumption current	IX-SS-2G: 33 mA during standby, 70 mA during max IX-DV and IX-DVF(-*): For PoE, 55 mA during standby (77 mA during normal video/audio recording), 155 mA during max For PS-2420, 94 mA during standby (140 mA during normal video/audio recording), 300 mA during maximum IX-SSA(-*): For PoE, 51 mA during standby, 120 mA during max For PS-2420, 87 mA during standby, 240 mA during max
Communication	Hands-free
Camera (for IX-DV and IX-DVF(-*))	1/3-type color CMOS, SXVGA 1280x960 (Approx. 1.2 million pixels)
Minimum illumination (for IX-DV and IX-DVF(-*))	5 lux
LAN	Ethernet (10BASE-T, 100BASE-TX), Auto MDI/MDI-X-compatible
Audio codec	G.711 (u-law, A-law), G.722
Video codec (for IX-DV and IX-DVF(-*))	H.264/AVC, Motion-JPEG
Protocol	IPv4, IPv6, TCP, UDP, SIP, HTTP, HTTPS, RTSP, RTP, RTCP, IGMP, MLD, SMTP, SFTP, DHCP, NTP, DNS
Encryption system	TLS1.0, TLS1.1, TLS1.2
Packet transmission system	Unicast and multicast (for IX-DV and IX-DVF(-*))
Number of called stations	20 stations × 10 groups
Operating temperature	-40 to +60°C (-40 to +140°F)
Materials	IX-SS-2G: Main unit (fire-retardant resin), panel (stainless steel, vertical alignment finished) IX-DV: Main unit (fire-retardant resin), main unit cover (die cast aluminum) IX-DVF(-*) and IX-SSA(-*): Main unit (fire-retardant resin), panel (stainless steel, vertical alignment finished)
Color	IX-SS-2G: Main unit (black), panel (silver) IX-DV: Main unit (black), main unit cover (dark sepia metallic) IX-DVF(-*) and IX-SSA(-*): Main unit (black), panel (silver)
Dimensions	IX-SS-2G: 120 mm (4-3/4") [W], 120 mm (4-3/4") [H], 2.5 mm (1/8") [D] (exposed area; excluding projection) IX-DV: 115 mm (4-1/2") [W], 207 mm (8-1/8") [H], 45 mm (1-3/4") [D] (excluding projection) IX-DVF and IX-SSA: 150 mm (5-7/8") [W], 265 mm (10-7/16") [H], 2.5 mm (1/8") [D] (exposed area; excluding projection) IX-DVF-* and IX-SSA-*: 178 mm (7") [W], 297 mm (11-11/16") [H], 2.5 mm (1/8") [D] (exposed area; excluding projection)
Weight:	IX-SS-2G: Approx. 390 g (0.86 lbs) IX-DV: Approx. 770 g (1.7 lbs) IX-DVF: Approx. 1.2 kg (2.7 lbs) IX-DVF-2RA and IX-DVF-RA: Approx. 1.5 kg (3.3 lbs) IX-DVF-P: Approx. 1.4 kg (3.1 lbs) IX-SSA: Approx. 1.2 kg (2.7 lbs) IX-SSA-2RA and IX-SSA-RA: Approx. 1.5 kg (3.3 lbs)
Water/dust protection class	IX-DV: IP54 (JIS C 0920) (dust-resistant/splash-resistant) IX-DVF(-*), IX-SSA(-*), and IX-SS-2G: IP65 (dust-proof/spray-resistant)
Impact protection class	IK08

Remarks	ONVIF Profile S-compatible (for IX-DV and IX-DVF(-*))
---------	---

Maintenance

- Clean the station gently with a soft, dry cloth. For difficult stains, dip a soft cloth in neutral detergent diluted with water, wring it out well, and then clean unit.

 **Important**

- Do not use chemicals such as benzene or paint thinner. You may damage the surface of the station, or cause discoloration.

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REGULATIONS

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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WEEE

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