

## IX System

**Video Door Station (IX-DA)**

**Audio Only Door Station (IX-BA)**

## Operation Manual

**Software version 2.00 or later**



Video Door Station

Model: IX-DA



Audio Only Door Station

Model: IX-BA

- Read this “Operation Manual” prior to usage to ensure safe and correct operation.
- Keep this in a safe place for future reference.

# Precautions



This symbol is intended to alert the user to cautions (including warnings and cautions).



This symbol is intended to alert the user to prohibited actions.



This symbol is intended to alert the user to actions that are forced or instructed.



## Warning

Negligence could result in death or serious injury.



Dismantling  
or  
alteration

**1. Do not dismantle or alter the unit.**

Fire or electric shock could result.



**2. Keep the unit away from water or any other liquid.**

Fire or electric shock could result.



**3. High voltage is present internally. Do not open the case.**

Electric shock could result.



**4. Do not put any metal or flammable material into the unit through the openings.**

Fire, electric shock, or unit trouble could result.



**5. Do not install or use near gases or flammable materials.**

The unit is not explosion-proof. Fire or explosion could result.



## Caution

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



**1. Do not put anything on the unit or cover the unit with cloth, etc.**

Fire or unit trouble could result.



**2. Do not use the handset when you perform a call test or check the chime volume.**

It may cause damage to your ear. Be sure to use the built-in speaker.



**3. Do not install the unit in the following locations.**

Fire, electric shock, or unit trouble could result.

- Places under direct sunlight or places near heating equipment that varies in temperature.
- Places subject to dust, oil, chemicals, hydrogen sulfide (hot spring).
- Places subject to moisture and humidity extremes, such as bathrooms, cellars, greenhouses, etc.
- Places where the temperature is quite low, such as inside a refrigerated area or in front of an air conditioner.
- Places subject to steam or smoke (near heating or cooking surfaces).
- Where noise generating devices such as dimmer switches or inverter electrical appliances are close by.
- Locations subject to frequent vibration or impact.
- Locations subject to extremely powerful electric fields.

# Operation precautions

## General considerations

1. Keep the unit more than 1m (3.3') away from radio or TV set.
2. If the unit is down or does not operate properly, unplug the power supply or turn off the POWER switches.
3. The unit case may become a warm with use, but this is not a unit malfunction.
4. If you enable "Second Video Encoder" (→ page 18), the unit will continue to output video. When this happens, the unit case may become warm but this is not a unit malfunction.
5. If it is used close to a cellular phone, the unit may malfunction.
6. The unit turns inoperative during power failure.
7. In areas where broadcasting station antennas are close by, the intercom system may be affected by radio frequency interference.
8. During communication, If you stand too far away, it may be difficult for the other person to hear the communication.
9. If there are loud noises around the unit (such as music playing or children crying), the sound may break up and be difficult to hear.
10. During communication, if you speak before the other person has finished talking, your voice may not come through clearly. Communication will proceed smoothly if you wait until the other person has finished before speaking.
11. During monitoring, the noise cut function does not work for making outside sounds easy to hear, so the noise may be heard louder than during communication.
12. This product, being a control unit of door release, should not be used as a crime prevention device.
13. The discrimination between day and night is performed automatically by the door station. Though the discrimination result may vary depending on the installation environment, it is not a malfunction.
14. Due to the environmental sound around the unit, it may hinder smooth communication, but this is not a malfunction.
15. At night, due to reduced lighting on the object, the monitor sees more noise and the face becomes more difficult to see, but this is not malfunction.
16. At a gate or porch illuminated by a fluorescent lamp, the picture may vary, but this is not a malfunction.
17. The outline of video images displayed by video door station may differ from that of the actual person(s) or background, but this is not a malfunction.
18. If the surface of a video door station freezes during wintertime, the picture may become difficult to see or the call button (including the call button of audio door station) may not move, but this is not a malfunction.
19. Warm-color lighting shining on the video door station may change the tint of the picture on the monitor.
20. When using fluorescent lights to illuminate the screen its colors may periodically change (color rolling), but this is not a malfunction.
21. When outside temperature lowers sharply after rainfall, etc., the inside of the camera may fog up slightly, causing a blurry picture, but this is not a malfunction. Normal operation will be restored when moisture evaporates.
22. When the unit's screen is illuminated with strong light, the image looks white or silhouetted. But this is not a unit trouble.
23. Aiphone assumes no responsibility for corruption of saved information (such as changes to or deletion of saved information). Please be aware of this in advance.

### Notes on using this system

1. Depending on the network environment and computer, it may not be useable.
2. You need to set the ID/password to access the web server when changing the system settings or doing the system maintenance. The system administrator must keep the ID/password without fail.
3. The ID/Password to access the web server for setting the system is the customer's responsibility. Make sure you set a password that cannot be easily guessed by a third party. We recommend that you change the ID/Password on a regular basis.
4. You may not be able to operate stations while updating the System settings by using a PC.
5. Video images and/or sounds may be interrupted depending on the communication status.
6. If there is an error in the setting of the corresponding station, calls will not work properly.
7. If you are experiencing difficulties in the use of the system, please check our website at <http://www.aiphone.net/>.

### Notice

1. 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 the transmission unit.
2. If personal information is leaked by eavesdropping or unauthorized access in the communication paths over the Internet, please be aware that Aiphone assume no responsibility for the damages.
3. We will under no conditions be liable for damage that occurs due to the inability to communicate due to malfunctions, problems, or operational errors in this product.
4. We will under no conditions be liable for any damages or losses resulting from this product's contents or specifications.
5. This manual was created by Aiphone Co., Ltd., all rights reserved. Copying a part of or this entire manual without prior permission from Aiphone Co., Ltd. is strictly forbidden.
6. Please note that images and illustrations depicted in this manual may differ from the actual ones.
7. Please note that this manual may be revised or changed without prior notice.
8. Please note that product specifications may be changed for the sake of improvement without prior notice.
9. Please be aware that it is the customer's responsibility to ensure that their computer is secure. We will under no conditions be liable for security failures.
10. This system is not intended for life support or crime prevention. It is just a supplementary means of conveying information. Aiphone will under no conditions be liable for loss of life or property which occurs while the system is being operated.
11. This system is not intended for preventing physical injury, accidents caused by disasters and property damage.
12. Please receive and retain all configuration data from the supplier. If you lose the configuration data, there are cases where maintenance and after-sales service calls may incur additional setup fees.

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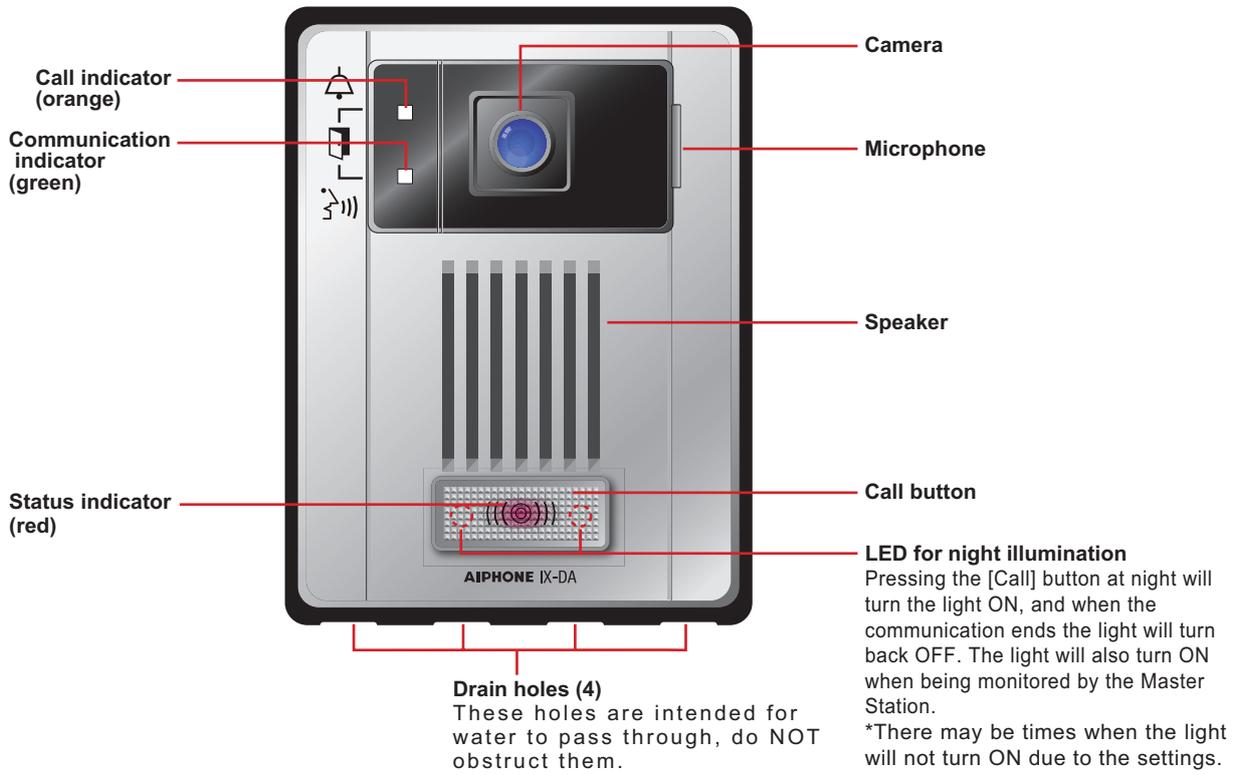
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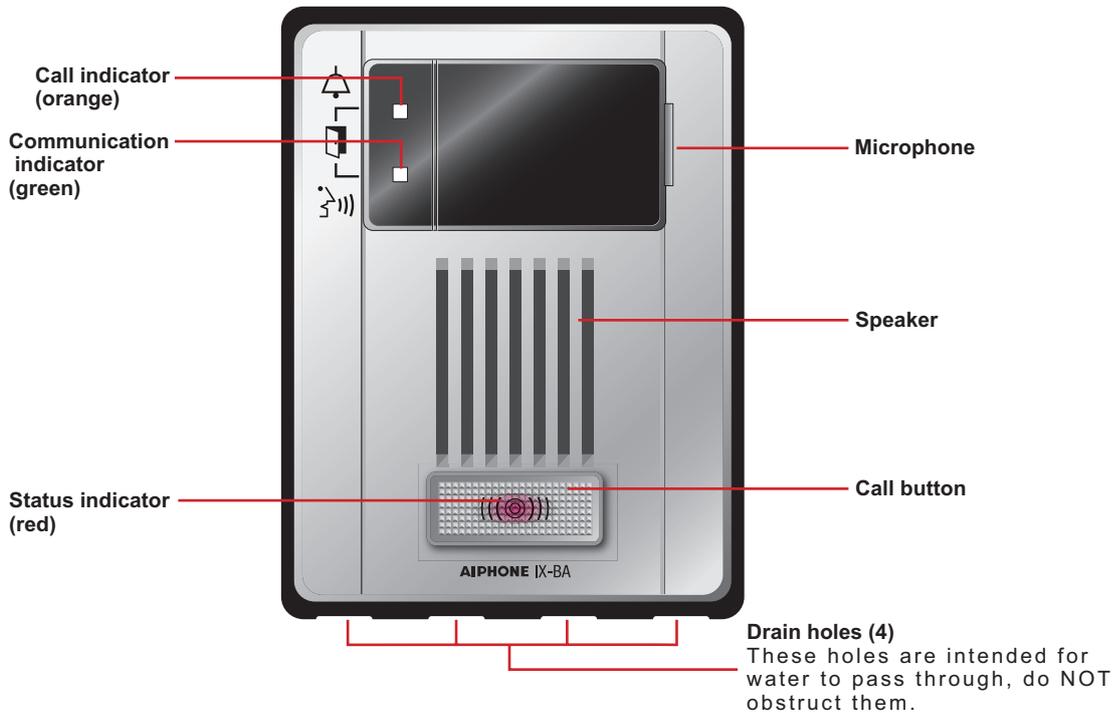
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# Part Names

## Video Door Station IX-DA



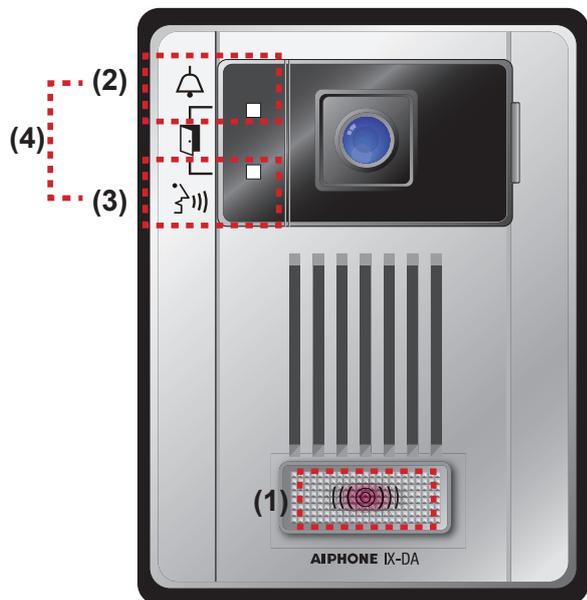
## Audio Only Door Station IX-BA



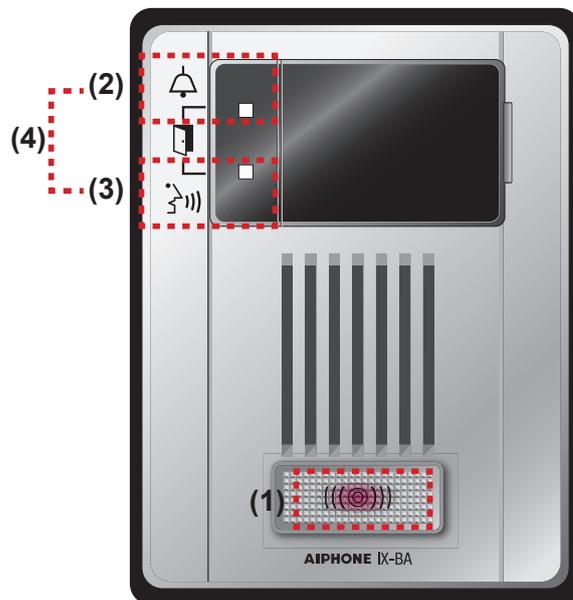
In this document, the Video Door Station (IX-DA) and the Audio Only Door Station (IX-BA) are referred to collectively as the "Door Station." When describing the operation and explanation of the Video Door Station (IX-DA), it will be referred to as the "Video Door Station."

## Indicators

### Video Door Station IX-DA



### Audio Only Door Station IX-BA



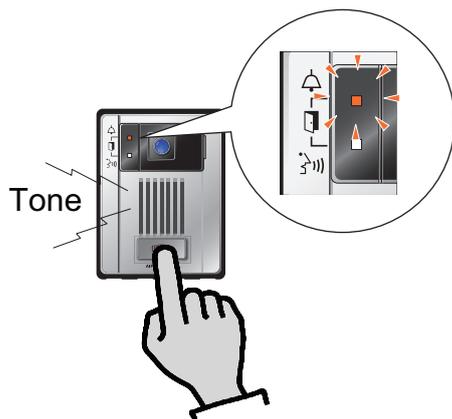
: Light ON   : Light OFF

Number	Name	Status (Pattern)	Description	
(1)	Status indicator	Red flashing	Normal flashing 	Booting
			Fast flashing 	Device error
			Long interval flashing 	Communication failure
			Long irregular flashing 	Firmware version upgrading
			Short irregular flashing 	Initializing
		Red light 	Standby	
(2)	Call indicator	Orange flashing	Slow flashing 	Calling destination busy
			Fast flashing 	Outgoing calling
(3)	Communication indicator	Green light 	In communication	
(4)	Call indicator + Communication indicator	Orange flashing + Green flashing 	Door releasing	

# Place a call

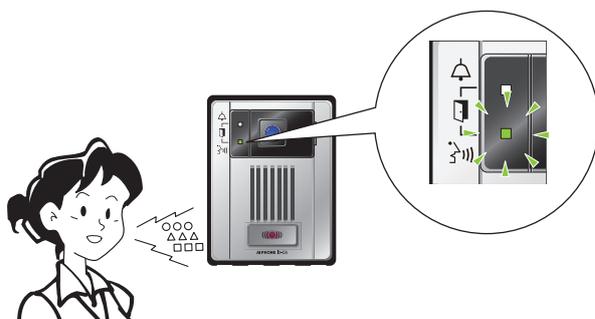
## 1 Press the [Call] button

- The ringback tone will play from the speaker.
- The call indicator will flash.
- Video from the camera is displayed at the call destination. (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.



### Notice

- The call is placed using the priority that was set during programming.
- If the line is busy or there is no answer, try call again.
- The call ring timer and the ringback tone count may vary depending on the settings.
- Depending on the settings, communication sounds may play from separately installed speakers.
- Depending on the settings, the electric locks and auto doors may cause sounds when unlocking.

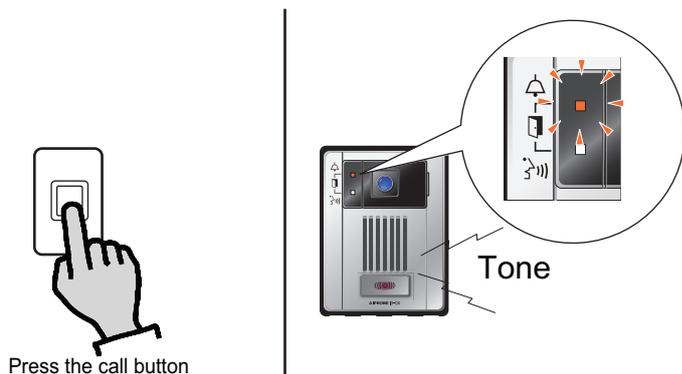
# Use an external device to place a call

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



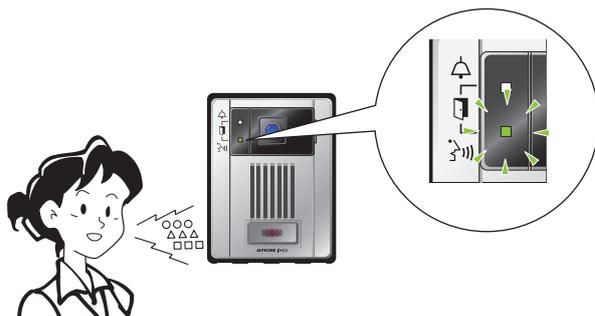
## 1 Control the external device

- 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 when 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.
- Communication on this device is performed using the speaker and microphone.



### Notice

- The call is placed using the priority that was set during programming.
- If the line is busy or there is no answer, try call again.
- The call ring timer, the ringback tone, and ringback tone count may vary depending on the settings.
- Depending on the settings, communication sounds may play from separately installed speakers.
- Depending on the settings, the electric locks and auto doors may cause sounds when unlocking.

# Receive a page

Paging will be heard after the paging pretone.

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



- 2 Paging complete

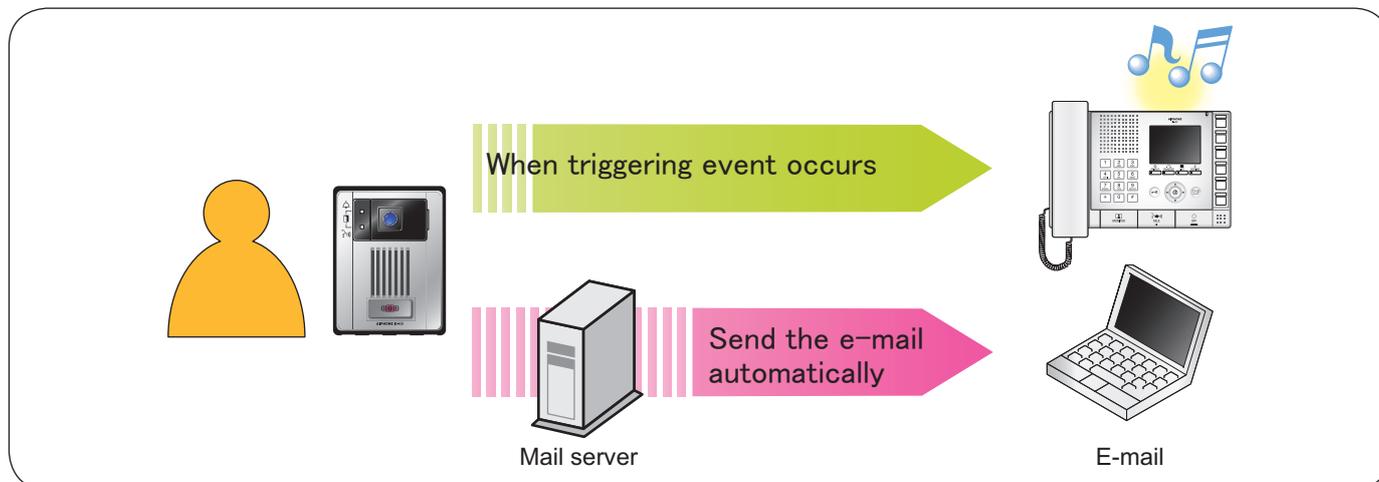


### Notice

- If the [Call] button is pressed while receiving a page, the page may be canceled and the call placed (depends on settings).
- The paging pretone ring is dependent on the settings of the system.
- Depending on the settings, the paging pretone and the paging audio may play from separately installed speakers.

# Send an e-mail

An e-mail can be sent to pre-registered e-mail addresses.  
 Refer to “E-Mail Settings” (→ [page 25](#)) for settings related to e-mail.



Example of sending e-mail:

When performing an outgoing call from this device (Station Number: 003, Station Name: Audio Only Door Station 3, Location: Receptionist) using the priority “Urgent.”

<b>Source</b>	xxxx@xxxxx.com
<b>Time and date sent</b>	11/20/2014 7:22
<b>Recipient CC</b>	xxxx@xxxxx.com
<b>Subject</b>	An outgoing call was made using the priority “Urgent.”
Call Placed [20141120 07:21:40].  Source Station Number: [003] Source Station Name: [Door Station 3] Source Station Location: [Receptionist] Call Priority: [Urgent] Destination group number: [ ] Destination Group Name: [Call Button]	

**Notice**

- “UTF-8” encoding is used. Characters may display incorrectly depending on the e-mail client.
- If the call is placed from a Video Door Station, the e-mail will include an image (JPEG).

Connect to the same network as the device and manage the settings from PC web browser.

## System requirements

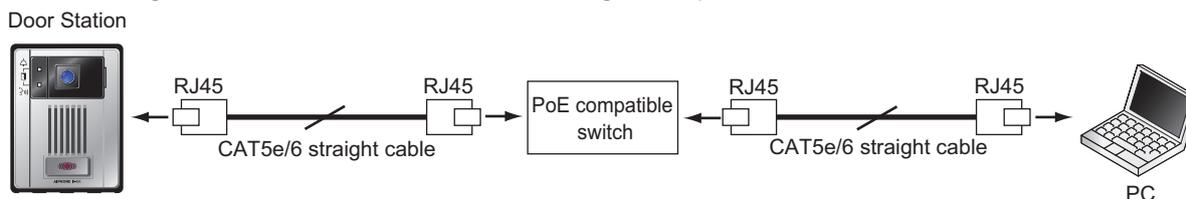
The PC should meet the following requirements to be capable of configuring the system.

Network	Ethernet (10 BASE-T, 100 BASE-TX)
Web browser	Internet Explorer 7.0, 8.0, or 9.0 (SSI 3.0 or TLS 1.0 or later)

## Connecting to a PC

Connect the station with a PC using PoE compatible switch.

- Use CAT5e/6 straight cable to connect the devices through LAN port.



## Login to this device

- 1 Start the PC and open a web browser (Internet Explorer)

- 2 Enter the address below into the web browser address bar

`https://(IP Address of this device)/webset.cgi?login`

When the IP address is IPv6, put brackets ([ ]) around it.

Display the login screen.

- 3 Select the language

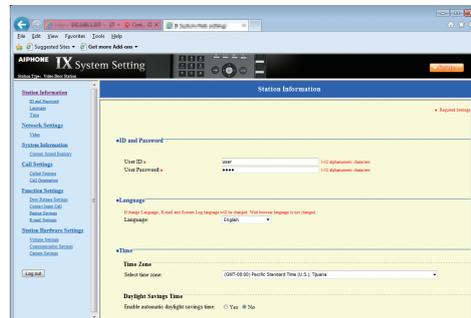
Language for displaying contents on the Web settings is changed.



Display the login screen of the selected language.

- 4 Enter the ID and password, and click

Initial value ID: user  
Password: user



Display the setting screen.



## Notice

- Be sure to type in "https://" to login.
- Do not login multiple times using multiple browsers at one time on the same PC.
- If a security warning screen appears, disregard the warning and continue.
- The initial IP address and Subnet mask values are below.  
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.

- Video Door Station screen shots are shown in this manual.
- Depending on the PC and OS being used, the window may be slightly different.
- After configuring the station, confirm its operation by referring to the “Operation Manual.”

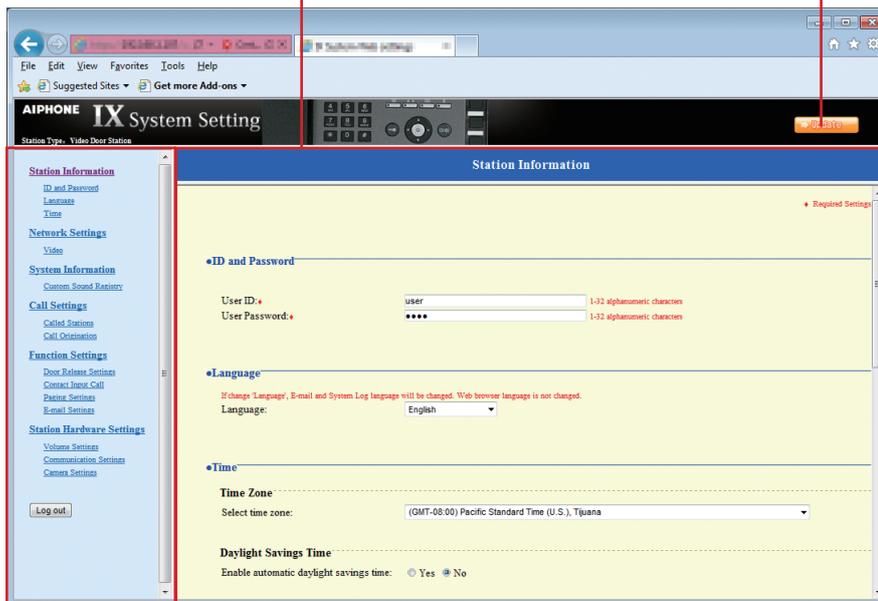
<Setting window sample>

### 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 appropriate setting window will display.

## How to configure

### 1 Click the title to configure in the settings menu

The setting window for that particular title will be shown.

### 2 Configure each setting item

### 3 When done making changes, click to update the settings

- When the settings are updated, “Setting Updated.” will be shown at the top left corner in the window. If this fails, an error message will be shown.
- To cancel the changes, click another title in the setting menu.

### 4 Repeat steps 1 to 3 for other titles

To log out of the Web server of this station, click  in the settings menu.



## Notice

- To end the setting session, do not use . Use  to end.
- If the setting window switch to another without clicking , 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
<b>Station Information</b>	
ID and Password	
User ID ◆	page 15
User Password ◆	page 15
Language	
Language	page 15
Time	
Time Zone	
Select time zone	page 16
Daylight Savings Time	
Enable automatic daylight savings time	page 16
NTP	
Enable NTP	page 16
Date and Time	
Time	page 16
<b>Network settings (Video Door Station only)</b>	
Video	
Video Encoder 1	
Coding System	page 17
Resolution	page 17
Frame Rate [fps]	page 17
Select Profile [H.264 / AVC]	page 17
I-picture interval [H.264 / AVC] ◆	page 17
Bit rate [kbps] [H.264 / AVC]	page 17
Select Quality [Motion-JPEG]	page 17
Video Encoder 2	
Second Video Encoder	page 18
Coding System	page 18
Resolution	page 18
Frame Rate [fps]	page 18
Select Profile [H.264 / AVC]	page 18
I-picture interval [H.264 / AVC] ◆	page 18
Bit rate [kbps] [H.264 / AVC]	page 18
Select Quality [Motion-JPEG]	page 18
<b>System Information</b>	
Custom Sound Registry	page 19
<b>Call Settings</b>	
Called Stations	
Priority Setting	
Priority	page 20
Call Origination	
Call Acknowledged Settings	
Ringback Tone	page 20
Call Timeout [sec] ◆	page 20
Ringback Tone Count [time(s)]	page 21
Busy Tone	page 21
Error Tone (Call failed)	page 21

Entry	Reference page
<b>Function Settings</b>	
Door Release Settings	
Door Release Tone	
Door Release Operating Tone	page 22
Door Release Authorization	
Authentication Key	page 22
Contact Input Call	
Door Station Call Group Assignment	
Group Number	page 23
Priority	page 23
Call Acknowledged Settings	
Ringback Tone	page 23
Call Timeout [sec] ◆	page 23
Ringback Tone Count [time(s)]	page 23
Paging Settings	
Paging Pretone Setting	
Pretone	page 24
E-Mail Settings	
E-mail Addresses	
Destination 1 to 3	page 26
E-mail Event Trigger	
Normal call	page 26
Priority call	page 26
Urgent call	page 26
Call Failed	page 26
Error Occurred	page 26
Station Restart	page 26
Periodic Log Transmission	page 26
Periodic Log Transmit Time	page 26
Periodic Log Transmit Interval	page 26
Subject Text	page 26
Additional Settings (Video Door Station only)	
Attach Image	page 26
Attachment Image Filename	page 26
<b>Station Hardware Settings</b>	
Volume Settings	
Volume Settings	
Transmit Volume	page 27
Receive Volume	page 27
Ringtone Volume	page 27
Communication Settings	
Talk Timeout [sec] ◆	page 27
Camera Settings (Video Door Station only)	
Environmental Settings	
Backlight Compensation Adjustment	page 28
Low Light Sensitivity Adjustment	page 28
Color Settings	
Brightness ◆	page 28
Contrast ◆	page 28
Color ◆	page 28
LED Illumination Control	
During Call / Communication	page 28
While Monitored	page 28

# Station Information

## ID and Password

### •ID and Password

User ID:◆

user

1-32 alphanumeric characters

User Password:◆

●●●●

1-32 alphanumeric characters

◆ This is a required setting.

Entry	Description	Settings	Default values
User ID ◆	Set the ID for login to this device.	1-32 alphanumeric characters	user
User Password ◆	Set the password for login to this device.	1-32 alphanumeric characters	user

## Language

### •Language

If change 'Language', E-mail and System Log language will be changed. Web browser language is not changed.

Language:

English ▼

Entry	Description	Settings	Default values
Language	Select the language for e-mail and system log language. (Web browser language are not changed.)	<ul style="list-style-type: none"> <li>• Japanese</li> <li>• English</li> <li>• French</li> <li>• Spanish</li> <li>• Dutch</li> <li>• Traditional Chinese</li> <li>• Simplified Chinese</li> </ul>	English

## Time

•Time

**Time Zone**

Select time zone:

**Daylight Savings Time**

Enable automatic daylight savings time:  Yes  No

**NTP**

Enable NTP:  Yes  No

**Date and Time**

Update button does not set station time.

Time:  Year  Month  Day  Hour  Minute  Second

## ■ Time Zone

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

## ■ Daylight Savings Time

Entry	Description	Settings	Default values
Enable automatic daylight savings time	Adjust the daylight saving time automatically to fit the region selected in "■ Select time zone."	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>	No

## ■ NTP

Entry	Description	Settings	Default values
Enable NTP	Enable NTP server to retrieve the time. Configuring NTP server is required separately if using an NTP server. Contact your system administrator.	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>	No

## ■ Date and Time

Pressing  will not show date and time settings on this device.

Click  to show it.

Entry	Description	Settings	Default values
Time	Set the current time for the station.	2012/1/1/00:00:00 - 2037/12/31/23:59:59 <input type="button" value="Sync with PC"/> Synchronized with the current time setting of the PC.	2013/1/1/ 00:00:00



## Attention

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. For this reason, it is recommended to use NTP. (Only applicable if NTP is connected and set-up with IX system.)

# Network settings (Video Door Station only)

## Video

•Video

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

**Video Encoder 1**

Coding System:

Resolution:

Frame Rate [fps]:

Select Profile [H.264 / AVC]:

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

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

Select Quality [Motion-JPEG]:

### Video Encoder 1

Configure the video encoder for transmission between IX stations.

◆ This is a required setting.

Entry	Description	Settings	Default values
Coding System	Select the coding system for the video.	<ul style="list-style-type: none"> <li>• H.264 / AVC</li> <li>• Motion-JPEG</li> </ul>	H.264 / AVC
Resolution	Select the resolution for the video.	<ul style="list-style-type: none"> <li>• 640x480 (VGA)</li> <li>• 320x240 (QVGA)</li> </ul>	320x240 (QVGA)
Frame Rate [fps]	Select the frame rate.	1, 3, 5, 7.5, 10, 15, 20, 30	15
Select Profile [H.264 / AVC]	Select the profile for H.264/AVC.	<ul style="list-style-type: none"> <li>• Baseline</li> <li>• Main</li> <li>• High</li> </ul>	Main
I-picture interval [H.264 / AVC] ◆	Set the interval for transmitting pictures with H.264/AVC.	1-100	15
Bit rate [kbps] [H.264 / AVC]	Select the bit rate for H.264/AVC.	64, 128, 256, 384, 512, 768, 1024, 2048	1024
Select Quality [Motion-JPEG]	Select the image quality of Motion-JPEG.	1 (low) through 10 (high)	6



### Attention

After approximately 10 minutes following the start of an outgoing call, the frame Rate (fps) will automatically reduce to "5".

**Video Encoder 2**

Second Video Encoder:  Enable  Disable

Coding System:

Resolution:

Frame Rate [fps]:

Select Profile [H.264 / AVC]:

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

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

Select Quality [Motion-JPEG]:

## ■ Video Encoder 2

Set when transmitting video using ONVIF.

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

◆ This is a required setting.

Entry	Description	Settings	Default values
Second Video Encoder	Enable / Disable the dual stream function. Set to "Enable" when transmitting video through ONVIF.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Enable
Coding System	Select the coding system for the video.	<ul style="list-style-type: none"> <li>• H.264 / AVC</li> <li>• Motion-JPEG</li> </ul>	H.264 / AVC
Resolution	Select the resolution for the video.	<ul style="list-style-type: none"> <li>• 640x480 (VGA)</li> <li>• 320x240 (QVGA)</li> </ul>	320x240 (QVGA)
Frame Rate [fps]	Select the frame rate.	1, 3, 5, 7.5, 10, 15, 20, 30	15
Select Profile [H.264 / AVC]	Select the profile for H.264/AVC.	<ul style="list-style-type: none"> <li>• Baseline</li> <li>• Main</li> <li>• High</li> </ul>	Main
I-picture interval [H.264 / AVC] ◆	Set the interval for transmitting pictures with H.264/AVC.	1-100	15
Bit rate [kbps] [H.264 / AVC]	Select the bit rate for H.264/AVC.	64, 128, 256, 384, 512, 768, 1024, 2048	1024
Select Quality [Motion-JPEG]	Select the image quality of Motion-JPEG.	1 (low) through 10 (high)	6

# 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 / approximately 3.2 MB).

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

• Custom Sound Registry

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

### ■ How to upload

- 1) Click .
- 2) Select the audio file, click .
- 3) Click .



### Notice

- The file name is automatically entered when the file is uploaded.
- If you are using the acknowledged tone, provide a silence period for the sound source.
- A DVD-ROM with sample files of custom tones is included with the Master Station. Use the files in it as audio source.

### ■ How to delete

- 1) Check the  "Delete" box on the audio file to delete.
- 2) To delete click .

# Call Settings

## Called Stations

### Called Stations

#### Priority Setting

Priority:

### Priority Setting

Entry	Description	Settings	Default values
Priority	Set the priority of the call when the Call button is pressed.	<ul style="list-style-type: none"> <li>• Normal</li> <li>• Priority</li> <li>• Urgent</li> </ul>	Normal

## Call Origination

### Call Origination

#### Call Acknowledged Settings

Ringback Tone: 
  
 Call Timeout [sec]:   sec 10-600 sec, Infinite (No timeout)
  
 Ringback Tone Count [time(s)]:  1-20 time(s), Infinite (Keep ringing)
  
 Busy Tone: 
  
 Error Tone (Call failed):

### Call Acknowledged Settings

◆ This is a required setting.

Entry	Description	Settings	Default values
Ringback Tone	Select the ringback tone (tone heard at calling station when a call is placed).	<ul style="list-style-type: none"> <li>• Call pattern 1</li> <li>• Call pattern 2</li> <li>• Call pattern 3</li> <li>• Call pattern 4</li> <li>• Call pattern 5</li> <li>• Call pattern 6</li> <li>• Tremolo sound</li> <li>• Busy tone</li> <li>• On-hold tone</li> <li>• Operation sound</li> <li>• Error sound</li> <li>• Select from the sound source registered in "Custom Sound Registry."</li> </ul>	Call pattern 1
Call Timeout [sec] ◆	Set the call ring timer.	<ul style="list-style-type: none"> <li>• 10-600 sec (by 1 sec)</li> <li>• Infinite: Ringing continues until the recipient responds</li> </ul>	10-600 sec (60 sec)

## Call Origination (continued)

### • Call Origination

#### Call Acknowledged Settings

Ringback Tone:

Call Timeout [sec]:   sec 10-600 sec, Infinite (No timeout)

Ringback Tone Count [time(s)]:  1-20 time(s), Infinite (Keep ringing)

Busy Tone:

Error Tone (Call failed):

### ■ Call Acknowledged Settings

Entry	Description	Settings	Default values
Ringback Tone Count [time(s)]	Set the count of ringback tone.	<ul style="list-style-type: none"> <li>• 1-20 times</li> <li>• Infinite: Ringback tone continues until the recipient responds.</li> </ul>	Infinite
Busy Tone	Select the tone that will be heard at the calling station when the called station is busy.	<ul style="list-style-type: none"> <li>• Call pattern 1</li> <li>• Call pattern 2</li> <li>• Call pattern 3</li> <li>• Call pattern 4</li> <li>• Call pattern 5</li> <li>• Call pattern 6</li> <li>• Tremolo sound</li> <li>• Busy tone</li> <li>• On-hold tone</li> <li>• Operation sound</li> <li>• Error sound</li> <li>• Select from the sound source registered in "Custom Sound Registry."</li> </ul>	Busy tone
Error Tone (Call failed)	Select the tone that will be heard when a call fails.	<ul style="list-style-type: none"> <li>• Call pattern 1</li> <li>• Call pattern 2</li> <li>• Call pattern 3</li> <li>• Call pattern 4</li> <li>• Call pattern 5</li> <li>• Call pattern 6</li> <li>• Tremolo sound</li> <li>• Busy tone</li> <li>• On-hold tone</li> <li>• Operation sound</li> <li>• Error sound</li> <li>• Select from the sound source registered in "Custom Sound Registry."</li> </ul>	Error sound

# Function Settings

## Door Release Settings



### Attention

If the door release settings are changed, the release feature may no longer work.

If the settings are changed, contact the system administrator.

**•Door Release Settings**

**Door Release Tone**

Door Release Operating Tone:

**Door Release Authorization**

Authentication Key:  1-4 digits

### ■ Door Release Tone

Entry	Description	Settings	Default values
Door Release Operating Tone	Set the tone that will be heard when the door is released.	<ul style="list-style-type: none"> <li>• None</li> <li>• Call pattern 1</li> <li>• Call pattern 2</li> <li>• Call pattern 3</li> <li>• Call pattern 4</li> <li>• Call pattern 5</li> <li>• Call pattern 6</li> <li>• Tremolo sound</li> <li>• Busy tone</li> <li>• On-hold tone</li> <li>• Operation sound</li> <li>• Error sound</li> <li>• Select from the sound source registered in "Custom Sound Registry."</li> </ul>	Operation sound

### ■ Door Release Authorization

Entry	Description	Settings	Default values
Authentication Key	Set the authentication key to allow control of the master station's door release output. Authentication key: When this matches the key of the other master station, control will be permitted.	1-4 digits	-

## Contact Input Call

### •Contact Input Call

#### Door Station Call Group Assignment

Input Number	Group Number	Priority
1	01	Normal

#### Call Acknowledged Settings

Ringback Tone:	Call pattern 2	
Call Timeout [sec]:	10-600 sec	60 sec <small>10-600 sec, Infinite (No timeout)</small>
Ringback Tone Count [time(s)]:	Infinite	<small>1-20 time(s), Infinite (Keep ringing)</small>

### ■ Door Station Call Group Assignment

Entry	Description	Settings	Default values
Group Number	Set the group number to be called when the contact input is triggered. Contact your system administrator regarding groups.	01 to 09	01
Priority	Set the priority of the call when the contact input is triggered.	<ul style="list-style-type: none"> <li>• Normal</li> <li>• Priority</li> <li>• Urgent</li> </ul>	Normal

### ■ Call Acknowledged Settings

◆ This is a required setting.

Entry	Description	Settings	Default values
Ringback Tone	Select the ringback tone when the contact input is triggered.	<ul style="list-style-type: none"> <li>• Call pattern 1</li> <li>• Call pattern 2</li> <li>• Call pattern 3</li> <li>• Call pattern 4</li> <li>• Call pattern 5</li> <li>• Call pattern 6</li> <li>• Tremolo sound</li> <li>• Busy tone</li> <li>• On-hold tone</li> <li>• Operation sound</li> <li>• Error sound</li> <li>• Select from the sound source registered in "Custom Sound Registry."</li> </ul>	Call pattern 2
Call Timeout [sec] ◆	Set the call ring timer when the contact input is triggered.	<ul style="list-style-type: none"> <li>• 10-600 sec (by 1 sec)</li> <li>• Infinite: Ringing continues until the recipient responds</li> </ul>	10-600 sec (60 sec)
Ringback Tone Count [time(s)]	Set the count of ringback tone.	<ul style="list-style-type: none"> <li>• 1-20 times</li> <li>• Infinite: Ringing continues until the recipient responds</li> </ul>	Infinite

## Paging Settings

### •Paging Settings

#### Paging Pretone Setting

Pretone:  ON  OFF

### ■ Paging Pretone Setting

Entry	Description	Settings	Default values
Pretone	Choose to enable the pretone function when the station is paged.	<ul style="list-style-type: none"><li>• ON</li><li>• OFF</li></ul>	ON

E-Mail Settings

**Attention**  
 The server must be set up to allow e-mail notifications to be sent.  
 If e-mail is not being received, contact network administrator to review the settings and confirm that e-mail is being sent.

•E-mail Settings

E-mail Addresses

Destination 1:  1-64 alphanumeric characters  
 Destination 2:  1-64 alphanumeric characters  
 Destination 3:  1-64 alphanumeric characters

E-mail Event Trigger

Event	Destination Address		
	(1)	(2)	(3)
Normal call	Disable ▾	Disable ▾	Disable ▾
Priority call	Disable ▾	Disable ▾	Disable ▾
Urgent call	Disable ▾	Disable ▾	Disable ▾
Call Failed	Disable ▾	Disable ▾	Disable ▾
Error Occurred	Disable ▾	Disable ▾	Disable ▾
Station Restart	Disable ▾	Disable ▾	Disable ▾
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 ▾

[UTF-8] used for 'Subject' encoding; the subject may be garbled depending on mail server.

Event	Subject Text 1-64 alphanumeric characters
Normal call	<input type="text"/>
Priority call	<input type="text"/>
Urgent call	<input type="text"/>
Call Failed	<input type="text"/>
Error Occurred	<input type="text"/>
Station Restart	<input type="text"/>
Periodic Log Transmission	<input type="text"/>

Additional Settings

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

Attach Image:  Enable  Disable If set to [Enable], an image will be attached when sending "Normal Call", "Priority Call", or "Urgent Call".  
 Attachment Image Filename:  1-64 alphanumeric characters

## ■ E-mail Addresses

Entry	Description	Settings	Default values
Destination 1 to 3	Set the e-mail address.	1-64 alphanumeric characters	-

## ■ E-mail Event Trigger

Set up which event triggers will send an e-mail message for each address.

Entry	Description	Settings	Default values
Normal call	An e-mail message will be sent when a normal call is made.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Disable
Priority call	An e-mail message will be sent when a priority call is made.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Disable
Urgent call	An e-mail message will be sent when an urgent call is made.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Disable
Call Failed	An e-mail message will be sent when a call fails.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Disable
Error Occurred	An e-mail message will be sent when a data communication error occurs.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Disable
Station Restart	An e-mail message will be sent when the station is restarted.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Disable
Periodic Log Transmission	Periodic Log will be sent via e-mail.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Disable
Periodic Log Transmit Time	Set time of day to send the log via e-mail.	From 00:00 to 23:59	00:00
Periodic Log Transmit Interval	Set how often the log will be sent via e-mail.	Every 1-7 days	1 day

Configure the subject of the e-mail message for each e-mail event trigger.

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

## ■ Additional Settings (Video Door Station only)

Entry	Description	Settings	Default values
Attach Image	Using the "E-mail Event Trigger," configure the settings for attaching a still image taken by the Video Door Station camera to an e-mail, sent when making a normal call, priority call, or urgent call.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Disable
Attachment Image Filename	Set the name of the image file that was attached.	1-64 alphanumeric characters	-



### Attention

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

# Station Hardware Settings

## Volume Settings

### •Volume Settings

#### Volume Settings

Transmit Volume:

Receive Volume:

Ringtone Volume:

### ■ Volume Settings

Entry	Description	Settings	Default values
Transmit Volume	Set the transmit volume during communication or monitoring.	1-10	10
Receive Volume	Set the receive volume during communication or paging. The volume for ringback tone will be changed as well	1-10	10
Ringtone Volume	Set the tone volume (ringtone, pretone, etc.)	0: Mute, 1-10	10

## Communication Settings

### •Communication Settings

Talk Timeout [sec]:   sec 30-600 sec, Infinite (No timeout)

◆ This is a required setting.

Entry	Description	Settings	Default values
Talk Timeout [sec] ◆	Set the talk timeout.	<ul style="list-style-type: none"> <li>30-600 sec (by 1 sec)</li> <li>Infinite: Communication continues until the communication is terminated.</li> </ul>	60 sec

## Camera Settings (Video Door Station only)

● **Camera Settings**

**Environmental Settings**

Backlight Compensation Adjustment:  Enable  Disable

Low Light Sensitivity Adjustment:  Enable  Disable

**Color Settings**

Brightness:  1-100

Contrast:  1-100

Color:  1-100

**LED Illumination Control**

During Call / Communication:  Enable  Disable

While Monitored:  Enable  Disable

### ■ Environmental Settings

Entry	Description	Settings	Default values
Backlight Compensation Adjustment	Enable the backlight compensation adjustment. When the "ADJUST" button of Master Station is pressed during a call or while monitoring, the setting will be changed.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Disable
Low Light Sensitivity Adjustment	Enable the automatic low light sensitivity adjustment function when the ambient lighting is dark. When the "ADJUST" button of Master Station is pressed during a call or while monitoring, the setting will be changed.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Disable

### ■ Color Settings



#### Attention

If these settings are changed while video is displayed, the changes will not be reflected until the video is accessed again.

◆ This is a required setting.

Entry	Description	Settings	Default values
Brightness ◆	Set the brightness of the picture.	1 (dark) to 100 (bright)	50
Contrast ◆	Set the contrast of the picture.	1 (dull) to 100 (vivid)	50
Color ◆	Set the color of the picture.	1 (weak) to 100 (strong)	50

### ■ LED Illumination Control

Entry	Description	Settings	Default values
During Call / Communication	Activate LED illumination during communication when the ambient lighting is dark.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Enable
While Monitored	Activate LED illumination while being monitored when the ambient lighting is dark.	<ul style="list-style-type: none"> <li>• Enable</li> <li>• Disable</li> </ul>	Disable

# Specifications

Power	Power-over-Ethernet (IEEE 802.3af Class 0)
Consumption current	Video Door Station: Standby 35mA, maximum 110mA, Audio Only Door Station: Standby 35mA, maximum 70mA
Communication	Hands-free
Camera (Video Door Station only)	1/4" Color CCD
Minimum illumination (Video Door Station only)	5 lux
LAN	Ethernet (10BASE-T, 100BASE-TX)
Audio codec	G.711
Video codec (Video Door Station only)	H.264 / AVC, Motion-JPEG
Protocol	IPv4, IPv6, TCP, UDP, SIP, HTTP, HTTPS, RTSP, RTP, RTCP, IGMP, MLD, SMTP, FTP, DHCP, NTP, DNS
Number of called stations	20 stations (only Master Stations can be registered)
Operating temperature	-10 °C to +60 °C (+14 °F to +140°F)
Materials	Fire-retardant resin
Color	Hardware: flat black, Panel: silver
Size	H: 130 mm (5-1/8"), W: 97 mm (3-13/16"), D: 42 mm (1-11/16")
Mass	Video Door Station: Approx. 280 g (0.62 lbs.), Audio Only Door Station: Approx. 270 g (0.60 lbs.)

# Maintenance

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

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

# Technical Support

If problems occur during the use of the system, please visit our website <http://www.aiphone.net/>.

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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 to 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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