IX Series
Multi-purpose Adaptor
IXW-MA
Setting Manual (for general users)
Software version 2.00 or later

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

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Warning]</td>
<td>This symbol means that operating the station incorrectly, or ignoring these precautions may cause severe injury or death.</td>
</tr>
<tr>
<td>![Caution]</td>
<td>This symbol means that operating the station incorrectly, or ignoring these precautions may cause severe injury or property damage.</td>
</tr>
<tr>
<td>![Important]</td>
<td>This symbol is intended to alert the user to important instruction.</td>
</tr>
<tr>
<td>![Note]</td>
<td>Indicates tips and additional information for operation.</td>
</tr>
</tbody>
</table>

• 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.
• VoIP Phones and IX system stations are referred to collectively as "Stations."
## Precautions

**Warning**

<table>
<thead>
<tr>
<th>Negligence could result in death or serious injury.</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Warning icon] Do not disassemble or modify the station.</td>
</tr>
<tr>
<td>This may result in fire or electrical shock.</td>
</tr>
<tr>
<td>![Warning icon] Keep the station away from liquid.</td>
</tr>
<tr>
<td>This may result in fire or electrical shock.</td>
</tr>
<tr>
<td>![Warning icon] Keep the station away from flammable materials.</td>
</tr>
<tr>
<td>If this happens, remove the LAN cable from the station. This may result in fire or electrical shock.</td>
</tr>
<tr>
<td>![Warning icon] 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.</td>
</tr>
<tr>
<td>![Warning icon] Do not, under any circumstances, open the station.</td>
</tr>
<tr>
<td>Voltage within some internal components may cause electrical shock.</td>
</tr>
</tbody>
</table>

**Caution**

<table>
<thead>
<tr>
<th>Negligence could result in injury to people or damage to property.</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Caution icon] Do not attempt to cover, insulate, or coat the station in any way.</td>
</tr>
<tr>
<td>This may result in fire or malfunction.</td>
</tr>
</tbody>
</table>
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.
• 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.
• 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.

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 designed for indoor use only. Do not use at outdoor locations.
• This station is for installations on walls and vertical surfaces only.
• Station maybe unoperatable while updating the system settings.
• 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.
• 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.
• 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.
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Part Names

Multi-purpose adaptor IXW-MA

Panel

MAC address (The panel must be removed to access it.)

Reset button: This is for use by service personnel only. Do not press it. (The panel must be removed to access it.)

Status indicator (orange/blue)
## Status Indicators

### IXW-MA

<table>
<thead>
<tr>
<th>Name</th>
<th>Status (Pattern)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange flashing</td>
<td><img src="image" alt="Status Indicator Pattern" /></td>
<td>- Booting</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Status Indicator Pattern" /></td>
<td>- Device error, startup error</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Status Indicator Pattern" /></td>
<td>- Communication failure</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Status Indicator Pattern" /></td>
<td>- Firmware version updating</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Status Indicator Pattern" /></td>
<td>- Initializing</td>
</tr>
<tr>
<td>Blue light</td>
<td><img src="image" alt="Status Indicator Pattern" /></td>
<td>- Standby</td>
</tr>
</tbody>
</table>

- **Status indicator (orange/blue)**
- ![Status Indicator Pattern](image)
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 19).”

Example of sending email:
When restarting this adaptor (Station Number: 003, Station Name: Multi-purpose Adaptor 3, Location: Rest room)

<table>
<thead>
<tr>
<th>Source</th>
<th>△△△△@△△△△△△.com</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date and time</td>
<td>11/20/2018 7:22</td>
</tr>
<tr>
<td>Recipient CC</td>
<td><a href="mailto:xxxx@xxxxx.com">xxxx@xxxxx.com</a></td>
</tr>
<tr>
<td>Subject Text</td>
<td>003 Multi-purpose Adapter 3 device restart</td>
</tr>
</tbody>
</table>
| Description | Device restarted at [20181120 07:21:40].  
Restarted Station Number: [003]  
Restarted Station Name: [Multi-purpose Adaptor 3]  
Restarted Station Location: [Rest room] |

Note

“UTF-8” is used to encode text. Characters may display incorrectly depending on the email client. To avoid this, set the encoding method to “UTF-8.”
Station Programming

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

System requirements

The programming PC must meet the following requirements to proceed.

<table>
<thead>
<tr>
<th>Network</th>
<th>Ethernet (10BASE-T, 100BASE-TX)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web browser</td>
<td>Microsoft Edge / Internet Explorer 10.0 or 11.0 / Mozilla Firefox 59 or 60 (TLS1.0, 1.1, or 1.2 enabled)</td>
</tr>
</tbody>
</table>

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
   • 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
Settings and Adjustments

Station programming

**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)."

*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 an update 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

<table>
<thead>
<tr>
<th>Entry</th>
<th>Reference page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Station Information</strong></td>
<td></td>
</tr>
<tr>
<td>ID and Password</td>
<td></td>
</tr>
<tr>
<td>User ID</td>
<td>page 14</td>
</tr>
<tr>
<td>User Password</td>
<td>page 14</td>
</tr>
<tr>
<td>Language</td>
<td>page 14</td>
</tr>
<tr>
<td><strong>Time</strong></td>
<td></td>
</tr>
<tr>
<td>Time Zone</td>
<td></td>
</tr>
<tr>
<td>Select time zone</td>
<td>page 15</td>
</tr>
<tr>
<td>Daylight Savings Time</td>
<td></td>
</tr>
<tr>
<td>Enable automatic daylight savings time</td>
<td>page 15</td>
</tr>
<tr>
<td>Date and Time</td>
<td></td>
</tr>
<tr>
<td>Set date and time</td>
<td>page 16</td>
</tr>
<tr>
<td><strong>Network Settings</strong></td>
<td></td>
</tr>
<tr>
<td>NTP</td>
<td></td>
</tr>
<tr>
<td>Enable NTP</td>
<td>page 17</td>
</tr>
<tr>
<td><strong>Option Input / Relay Output Settings</strong></td>
<td></td>
</tr>
<tr>
<td>Relay Output</td>
<td></td>
</tr>
<tr>
<td>Option Relay Control Authentication Key</td>
<td>page 18</td>
</tr>
<tr>
<td><strong>Function Settings</strong></td>
<td></td>
</tr>
<tr>
<td>Email</td>
<td></td>
</tr>
<tr>
<td>Email Addresses</td>
<td></td>
</tr>
<tr>
<td>Destination 1 - Destination 3</td>
<td>page 19</td>
</tr>
<tr>
<td>Email Event Trigger</td>
<td></td>
</tr>
<tr>
<td>Error</td>
<td>page 19</td>
</tr>
<tr>
<td>Station Restarted</td>
<td>page 19</td>
</tr>
<tr>
<td>Subject</td>
<td>page 19</td>
</tr>
<tr>
<td>Periodic Log Transmission</td>
<td></td>
</tr>
<tr>
<td>Periodic Log Transmission</td>
<td>page 20</td>
</tr>
<tr>
<td>Periodic Log Transmit Time</td>
<td>page 20</td>
</tr>
<tr>
<td>Periodic Log Transmit Interval</td>
<td>page 20</td>
</tr>
<tr>
<td>Periodic Log Transmission Subject</td>
<td>page 20</td>
</tr>
<tr>
<td>Send Test Email</td>
<td>page 21</td>
</tr>
<tr>
<td><strong>Maintenance</strong></td>
<td></td>
</tr>
<tr>
<td>Initialization</td>
<td>page 22</td>
</tr>
</tbody>
</table>
## Station Information

### ID and Password

<table>
<thead>
<tr>
<th>Entry</th>
<th>Description</th>
<th>Settings</th>
<th>Default values</th>
</tr>
</thead>
<tbody>
<tr>
<td>User ID*1</td>
<td>Set the ID for logging in to the Web System Setting Server.</td>
<td>1 - 32 alphanumeric characters</td>
<td>user</td>
</tr>
<tr>
<td>User Password*1</td>
<td>Set the password for logging in to the Web System Setting Server.</td>
<td>1 - 32 alphanumeric characters</td>
<td>user</td>
</tr>
</tbody>
</table>

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

### Note

- "The Administrator ID(administrator setting)" and "User ID" cannot have the same setting.
- The "User Password" is displayed as "●●●●●" on the screen.

### Language

<table>
<thead>
<tr>
<th>Entry</th>
<th>Description</th>
<th>Settings</th>
<th>Default values</th>
</tr>
</thead>
</table>
| Language| Select the language for email and system log language. * Language used for various settings (including the station name) * Language used for email and system log | • 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.
### Settings and Adjustments

#### Station programming

## Time

![Time settings interface]

### 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

<table>
<thead>
<tr>
<th>Entry</th>
<th>Description</th>
<th>Settings</th>
<th>Default values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select time zone</td>
<td>Set the Time Zone.</td>
<td>Select from 99 regions</td>
<td>(GMT-08:00) Pacific Standard Time (US), Tijuana</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Entry</th>
<th>Description</th>
<th>Settings</th>
<th>Default values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enable automatic daylight savings time</td>
<td>The daylight saving time is set automatically according by region selected in &quot;Select time zone&quot;.</td>
<td>• Yes</td>
<td>• No</td>
</tr>
</tbody>
</table>
**Date and Time**

Clicking [Update] will not update the date and time settings on this station. Press [Apply Time to Station] to update.

<table>
<thead>
<tr>
<th>Entry</th>
<th>Description</th>
<th>Settings</th>
<th>Default values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set date and time</td>
<td>Set the current time for the station. This is a required setting.</td>
<td>2017/1/1/00:00:00 - 2037/12/31/23:59:59 [Sync with PC]: Synchronized with the current time setting of the PC.</td>
<td>The time from 2018/1/1/00:00:00 with the time difference set in &quot;Select time zone&quot; applied</td>
</tr>
</tbody>
</table>
### Network Settings

#### NTP

<table>
<thead>
<tr>
<th>Entry</th>
<th>Description</th>
<th>Settings</th>
<th>Default values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enable NTP</td>
<td>Enable NTP server to retrieve the time. Configuring NTP server is required separately if using an NTP server. Contact your system administrator.</td>
<td>• Yes</td>
<td>No Use</td>
</tr>
</tbody>
</table>
Option Input / Relay Output Settings

## Relay Output

<table>
<thead>
<tr>
<th>Option Relay Control Authentication Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>If &quot;Option Relay Control (administrator setting)&quot; is set to &quot;Enable,&quot; and &quot;Speed Dials / Favorites&quot; - &quot;TLS&quot; is set to &quot;Enable&quot; on the requesting station, configure the key used to decrypt encrypted communication. If this matches the &quot;Option Relay Control Key&quot; of the station that performs the operation, the output terminal may be controlled.</td>
</tr>
</tbody>
</table>

### Note

- Only one Option Relay Control Authentication Key can be set for each station. It will be shared by multiple output stations.
- "Option Relay Control Authentication Key" is shown on the screen as "●●●●●."
## Function Settings

### Email

Configure the email function (function that sends information on station operation to the set 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

<table>
<thead>
<tr>
<th>Entry</th>
<th>Description</th>
<th>Settings</th>
<th>Default values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destination 1 - Destination 3</td>
<td>Set the destination email address. Define up to three addresses.</td>
<td>1 - 64 alphanumeric characters</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Email Event Trigger

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

**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."

<table>
<thead>
<tr>
<th>Entry</th>
<th>Description</th>
<th>Settings</th>
<th>Default values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Error</td>
<td>Send email when a communication error has occurred.</td>
<td>▪ Checked: Send ▪ Unchecked: Do not send</td>
<td>Unchecked: Do not send</td>
</tr>
<tr>
<td>Station Restarted</td>
<td>Send email when the station has reset.</td>
<td>▪ Checked: Send ▪ Unchecked: Do not send</td>
<td>Unchecked: Do not send</td>
</tr>
<tr>
<td>Subject</td>
<td>Set the Subject of email per Event Trigger. This will be used for all recipient addresses.</td>
<td>1 - 64 alphanumeric characters</td>
<td>-</td>
</tr>
</tbody>
</table>
### Periodic Log Transmission

<table>
<thead>
<tr>
<th>Entry</th>
<th>Description</th>
<th>Settings</th>
<th>Default values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Periodic Log Transmission</td>
<td>Select Enable / Disable for send station log periodically.</td>
<td>• Enable</td>
<td>Disable</td>
</tr>
<tr>
<td>Periodic Log Transmit Time</td>
<td>Set the time to send the periodic log.</td>
<td>00:00 - 23:59</td>
<td>00:00</td>
</tr>
<tr>
<td>Periodic Log Transmit Interval</td>
<td>Select the interval to send the periodic log.</td>
<td>Every 1-7 days</td>
<td>1 day</td>
</tr>
<tr>
<td>Periodic Log Transmission Subject</td>
<td>Set the email subject for Periodic Log Transmission. This is used for all destination addresses.</td>
<td>1 - 64 alphanumeric characters</td>
<td>-</td>
</tr>
</tbody>
</table>

**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 19)."

How to send a test email

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

Example of sending an email message:
When sending a test email from this adaptor (Station Number: 002, Station Name: Multi-purpose Adaptor 2).

<table>
<thead>
<tr>
<th>Source</th>
<th>△△△△△@△△△△△.com</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date and time</td>
<td>11/20/2018 15:22</td>
</tr>
<tr>
<td>To</td>
<td><a href="mailto:xxxx@xxxxx.com">xxxx@xxxxx.com</a></td>
</tr>
<tr>
<td>CC</td>
<td></td>
</tr>
<tr>
<td>Subject</td>
<td>002 Multi-purpose Adaptor 2 Test Email</td>
</tr>
<tr>
<td>Description</td>
<td>Test Email sent at &quot;20181120 15:22:46.&quot;</td>
</tr>
<tr>
<td></td>
<td>Station Number: [002]</td>
</tr>
<tr>
<td></td>
<td>Station Name: [Multi-purpose Adaptor 2]</td>
</tr>
</tbody>
</table>

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."
## Maintenance

### Initialization

Initialization puts all the settings in "List of settings (→page 13)" back to the default.

1. Click [Initialize User Settings].
2. Click [OK].
   • Click [Cancel] to cancel the initialization process.

### Important

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power</strong></td>
<td>PoE (IEEE802.3af Class 0 standard)</td>
</tr>
<tr>
<td><strong>Current Consumption</strong></td>
<td>Standby: 43 mA; Maximum: 135 mA</td>
</tr>
<tr>
<td><strong>LAN</strong></td>
<td>Ethernet (10BASE-T, 100BASE-TX), Auto MDI/MDI-X-compatible</td>
</tr>
<tr>
<td><strong>Protocol</strong></td>
<td>IPv4, IPv6, TCP, UDP, SIP, HTTP, HTTPS, SMTP, SFTP, DHCP, NTP, DNS</td>
</tr>
<tr>
<td><strong>Encryption system</strong></td>
<td>TLS1.0, TLS1.1, TLS1.2</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>-10 - +50°C</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td>Wall-mounting</td>
</tr>
<tr>
<td><strong>Materials</strong></td>
<td>Fire-retardant resin</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>White</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>245 mm (9-5/8&quot;) (W) x 190 mm (7-1/2&quot;) (H) x 21 mm (13/16&quot;) (D) (excluding the embedding area)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>630 g (approx.) (1.39 lbs)</td>
</tr>
</tbody>
</table>

## 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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• Increase the separation between the equipment and receiver.
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