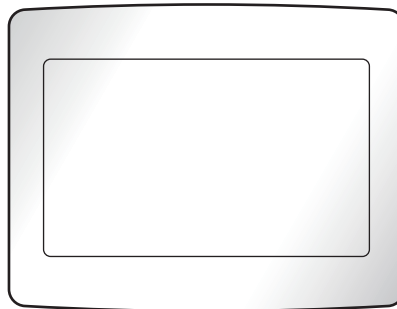


IX System

Multi-purpose Adapter
IXW-MA

Setting Manual (for general users)

Software version 1.00 or later







IXW-MA

Important

- Be sure to read this document (Setting Manual) prior to usage to ensure correct operation. After reading this document, store it in a safe location so that it can be referred to at any time.
- The illustrations and images in this manual may vary 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 device incorrectly ignoring these precautions may cause severe injury or death. |
|  Caution | This symbol means that operating the device incorrectly ignoring these precautions may cause severe injury or property damage. |
|  Important | Indicates important instructions that should be observed or avoided, and what should be known before operation. Please read and understand before proceeding. |
|  Note | This symbol indicates that the information is supplementary to the function, operation, or handling of the device. |

- Terms and button names displayed on the main unit and PC screens are indicated as **[XXXX]**.
- The pages that you should refer to are indicated as "[Title \(→ page XX\)](#)", "[\(→ page XX\)](#)", or [page XX](#).
- Please note that images and illustrations depicted in this manual may differ from the actual ones.
- VoIP Phones and IX system stations are referred to collectively as "Stations."

Precautions



Warning

Negligence could result in death or serious injury.



Do not disassemble or modify the device.
May cause fire or electrical shock.



Keep the unit away from water or any other liquid.
Fire or electric shock could result.



Do not put any metal and flammable material into the unit through the openings.
Do not insert or drop metallic or easily flammable objects into the device. If this happens, remove the LAN cable from the device. Doing otherwise could cause a fire or electric shock.



If the device is emitting smoke, an abnormal odor, or an abnormal sound, or if the device is dropped or damaged, immediately unplug the LAN cable.
May cause fire or electrical shock.



Do not, under any circumstances, open up the device.
Voltage within some internal components may cause electrical shock.



Caution

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



Do not put anything on or cover the unit with cloth, etc.
Fire or unit trouble could result.

Precautions on operation

Requests

- Use this product at least 1 m (3'3") away from radios and televisions.
- Use this product at least 20 cm (7-7/8") away from wireless remote controls for devices such as floor heaters or water heaters, wireless LAN routers, cordless phones, and other such devices. Doing otherwise could scramble video or audio.
- When using sensors or other devices from a non-AIPHONE brand with this system, do so according to the specifications and guarantees provided by the manufacturer and seller.
- Be sure to receive and store the setting file from the person who configured the product. If the setting file is lost, you may be charged a separate setting fee during maintenance or after-sales service.

Notices

- The illustrations and images used in this manual may differ from the actual items.
- 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 product cannot be used during power outages.
- If the device is used in areas where there are business-use wireless devices such as a transceiver or mobile phones, it may cause malfunction.
- This unit is designed for indoor use only. Do not install at outdoor location.
- This device is for installation on walls only. It cannot be used on a table.
- The device cannot be operated while updating the system configuration.
- AIPHONE is not to be held responsible for any and all damages resulting from delays or inability to provide this service or mistakes/losses in communication methods for any reason outside the responsibility of AIPHONE, such as network device or Internet service outages, or line or communication method outages.
- 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.
- Some functions or services may be restricted depending on how and where the product is installed.
- The screens shown for explanatory purposes in this document were created for the Operation Manual. Screens may differ depending on the system being used.
- This device 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 the security of any PCs being used. AIPHONE is not to be held responsible for any and all security issues.
- The date and time displayed on the product will return to the initial value if the product loses power for 30 minutes or longer, such as during a power outage.

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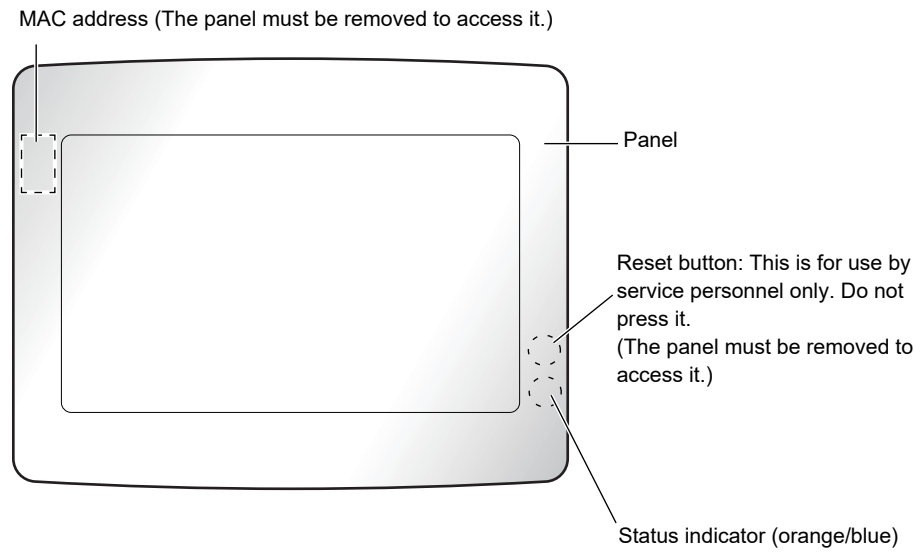
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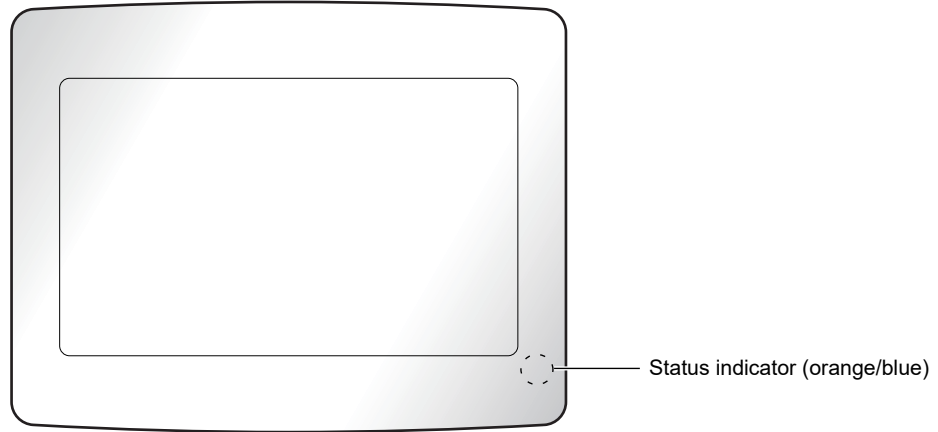
Part Names

Multi-purpose adapter IXW-MA



About indicators

IXW-MA

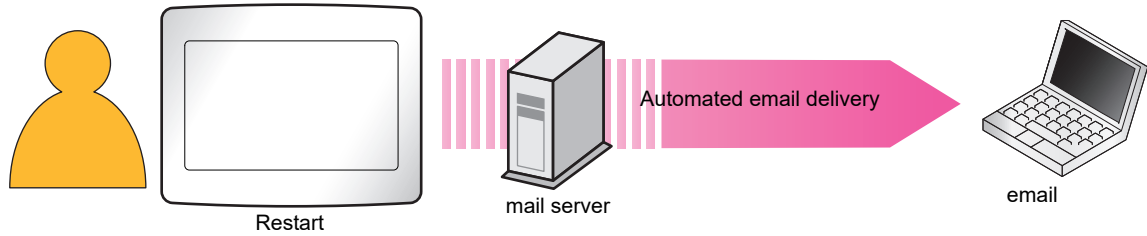


☀: On, □ : Off

| Name | Status (Pattern) | | Description |
|------------------|------------------|---|-------------------------------|
| Status indicator | Orange flashing | Normal flashing ☀ 0.75 sec → □ 0.75 sec | Booting |
| | | Fast flashing ☀ 0.25 sec → □ 0.25 sec | Device failure, startup error |
| | | Long interval flashing ☀ 0.5 sec → □ 4 sec | Communication failure |
| | | Long irregular flashing ☀ 1 sec → □ 0.25 sec → ☀ 0.25 sec → □ 0.25 sec → ☀ 0.25 sec → □ 0.25 sec | Updating Firmware |
| | | Long irregular flashing ☀ 1 sec → □ 0.25 sec → ☀ 0.25 sec → □ 0.25 sec | Initializing |
| Blue light | ☀ | Standby | |

To make the device send an email message

The device can be configured to send an email message to a registered address for restart or communication failure. For how to configure email settings, refer to [“Email \(→page 18\)”](#).



Example of sending an email message:

When restarting this device (Station Number: 003, Station Name: Multi-purpose Adapter 3, Location: Toilet)

| | |
|-----------------|--|
| Source | △△△△@△△△△△.com |
| Date and time | 2018/11/20 7:22 |
| Recipient CC | xxxx@xxxx.com |
| Subject Text | 003 Multi-purpose Adapter 3 device restart |
| Description | Device restarted at [20181120 07:21:40]. Restarted Station Number: [003] Restarted Station Name: [Multi-purpose Adapter Station 3] Restarted Station Location: [Toilet] |

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."

Configuring the device on a PC

Connecting a PC to the same network as the device allows you to configure it on the PC using a Web browser.

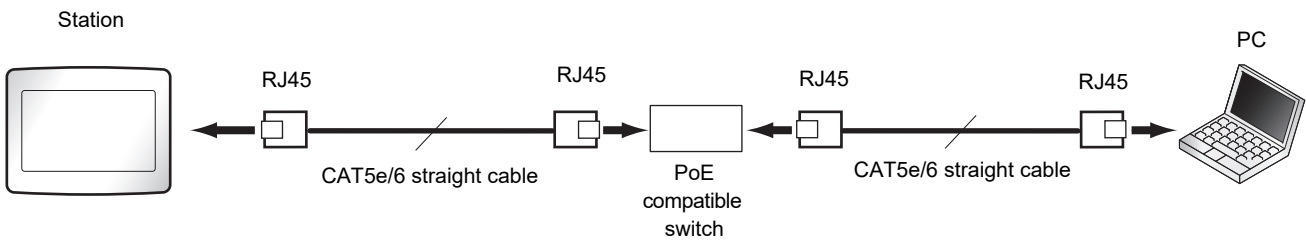
System requirements

The PC must satisfy the following requirements to configure settings.

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

Connecting to a PC

Connect the station to a PC using a PoE-compatible switch.
Use CAT5e/6 straight cable to connect the devices through LAN port.



Login to this device

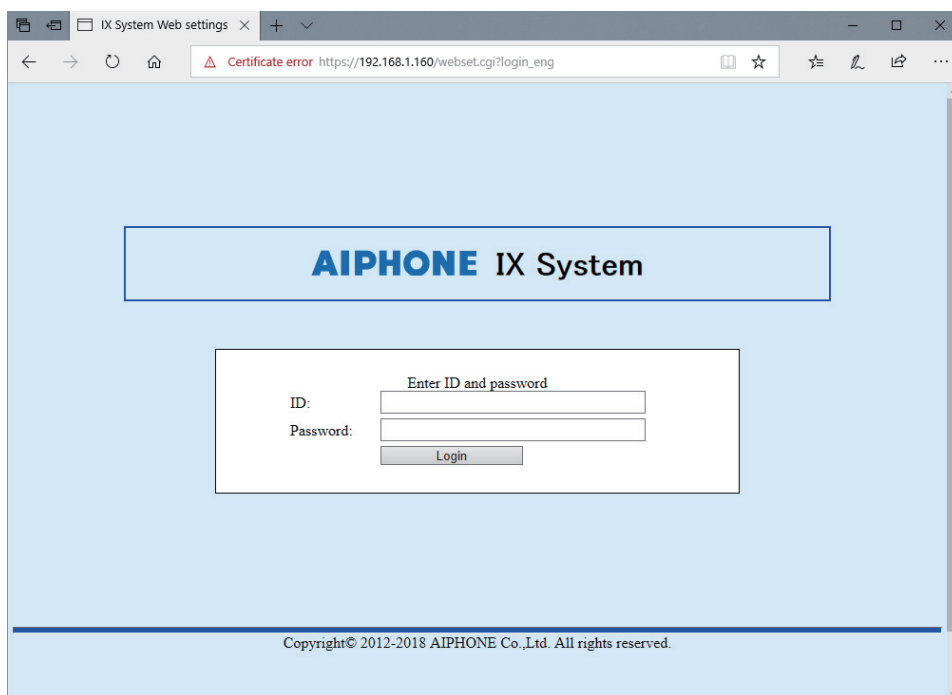
1. Start the PC and open the browser.
2. Enter the address below into the web browser address bar.
<https://IP address/webset.cgi?login>
 - If the IP address is IPv6, put brackets ([]) around it.
 - If the certificate error window is displayed, click **[Go on to the webpage]**. To prevent it from appearing, the administrator will need to disable it. Contact your system administrator.
 - Language selection window will be shown.

3. Select the language
 - The selected language is used to display messages on the PC.



- Display the login screen of the selected language.

4. Enter the ID and password, and click **[Login]**
 - Default values
 - ID: user
 - Password: user



- This indicates the setting window.

Note

- Do not login multiple times using multiple browsers at one time on the same PC.
- 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.

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

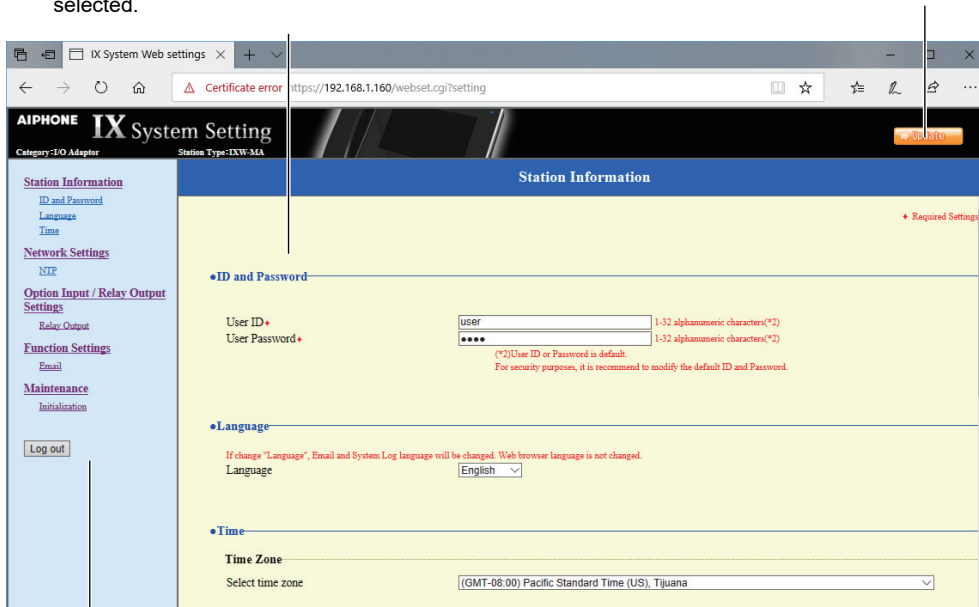
<Setting window sample>

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 you want 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 Settings screen.
If the update fails, an error message will be shown.
 - To cancel the changes, click another title in the setting menu.
 - Do not turn the power off while updating.
4. Repeat the steps 1 through 3 for other titles
 - To log out of the Web server, click **[Log out]** in the settings menu.



Note

- To stop configuring, do not use **[X]** to close the window. Instead, click **[Log out]**. If **[Log out]** is not used, you will be unable to login for approximately 1 hour.
- If you switch to another setting window 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 14 |
| User Password | page 14 |
| Language | |
| Language | page 14 |
| Time | |
| Time Zone | |
| Select time zone | page 15 |
| Daylight Savings Time | |
| Enable automatic daylight savings time | page 15 |
| Date and Time | |
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| Periodic Log Transmit Interval | page 19 |
| Periodic Log Transmission Subject | page 19 |
| Send Test Email | page 20 |
| Maintenance | |
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Station Information

ID and Password

•ID and Password

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

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

(*2)User 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 for accessing via a Web browser to configure a station. | 1 - 32 alphanumeric characters | user |
| User Password* ¹ | Set the password for accessing via a Web browser to configure a station. | 1 - 32 alphanumeric characters | user |

*1 Indicates a required field. The settings should be entered. Retain the default values, unless a change is necessary.

Note

- "Administrator ID(administrator setting)" and "User ID" cannot have the same setting.
- The "User Password" is displayed as "●●●●" in the Settings 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. <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 | English |

Note

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

Time

Important

- If power is not supplied for 30 minutes or longer due to power outage, for instance, the date and time settings may return to the default. Configure the date and time settings again if this happens.

■ 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 (US), Tijuana |

Note

- When you first login to Web configuration with the station in its default state, this will be set as follows depending on the language selected when logging in.

日本語 : (GMT+09:00) Osaka, Sapporo, Tokyo

English: (GMT-08:00) Pacific Standard Time (US), 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 (→page 15)". | <ul style="list-style-type: none"> • Yes • No | No |

■ Date and Time

Time configuration cannot be updated in **[Update]**.

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. | 2017/1/1/00:00:00 - 2037/12/31/23:59:59 [Sync with PC]: Synchronized with the current time setting of the PC. | The time from 2018/1/1/ 00:00:00 with the time difference set in "Select time zone" applied |

Network Settings

NTP

•NTP

Enable NTP Yes No Use

■ Enable NTP

| Entry | Description | Settings | Default values |
|------------|--|--|----------------|
| Enable NTP | Set whether to obtain the time from 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 |

Option Input / Relay Output Settings

Relay Output

•Relay Output

Option Relay Control Authentication Key: 1-20 digits

■ 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" on the station to control is set to "Enable," configure the key used to decrypt encrypted communication. If this matches the "Option Relay Control Key" of the station that performs the operation, the output terminal may be controlled. | 1 - 20 digits | - |



Note

- Only a single Option Relay Control Authentication Key can be set per 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

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 |

■ Email Addresses

| Entry | Description | Settings | Default values |
|----------------------------------|---|--------------------------------|----------------|
| Destination 1 - Destination 3 | Set up the email addresses. You can define up to three addresses. | 1 - 64 alphanumeric characters | - |

■ Email Event Trigger

Configure the sending trigger used to send emails. A sending trigger can be configured for each recipient address.

Email Event Trigger

| Event | Destination Address | | |
|-------------------|--------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) |
| Error | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Station Restarted | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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

| Event | Subject |
|-------------------|----------------------|
| Error | <input type="text"/> |
| Station Restarted | <input type="text"/> |

| Entry | Description | Settings | Default values |
|-------------------|--|---|------------------------|
| Error | An email message will be sent when a communication error occurs and is restored. | <ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send | Unchecked: Do not send |
| Station Restarted | An email message will be sent when the station is restarted. | <ul style="list-style-type: none"> • Checked: Send • Unchecked: Do not send | Unchecked: Do not send |
| Subject | Set the subject text of the email message for each trigger. This will be used for all recipient addresses. | 1 - 64 alphanumeric characters | - |

! Important

- "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."

■ 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 | | | |

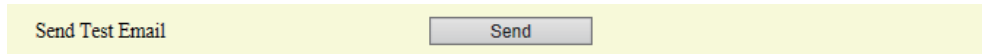
| Entry | Description | Settings | Default values |
|-----------------------------------|--|---|----------------|
| Periodic Log Transmission | System log is regularly sent via email. | <ul style="list-style-type: none"> • Enable • Disable | Disable |
| Periodic Log Transmit Time | Configure the time at which "Periodic Log Transmission" is sent. | 00:00 - 23:59 | 00:00 |
| Periodic Log Transmit Interval | Configure the "Periodic Log Transmission" transmission interval. | Every 1-7 days | 1 day |
| Periodic Log Transmission Subject | Set the subject text of the email message for "Periodic Log." | 1 - 64 alphanumeric characters | - |

Important

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

■ Send Test Email

Send a test email to the address set in ["Email Addresses \(→page 18\)"](#).



How to send a test email

1. Click **[Send]**.
2. The following message will be sent to the address you set up here.

Example of sending an email message:

When sending a test email from this device (Station Number: 002, Station Name: Multi-purpose Adapter 2).

| | |
|---------------|---|
| Source | △△△△@△△△△.com |
| Date and time | 2018/11/20 15:22 |
| To CC | xxxx@xxxx.com |
| Subject | 002 Multi-purpose Adapter 2 Test Email |
| Description | Test Email sent at "20181120 15:22:46." Station Number: [002] Station Name: [Multi-purpose Adapter 2] |

Important

- "UTF-8" is used to encode "Subject." Characters may display incorrectly depending on the email client. 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.



How to initialize the station

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

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

Important

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

INDUSTRY CANADA
CAN ICES-3 (B)/NMB-3(B)

WEEE

The object area of  is the EU.

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