

Surface Mount Intercom

Installation Guide

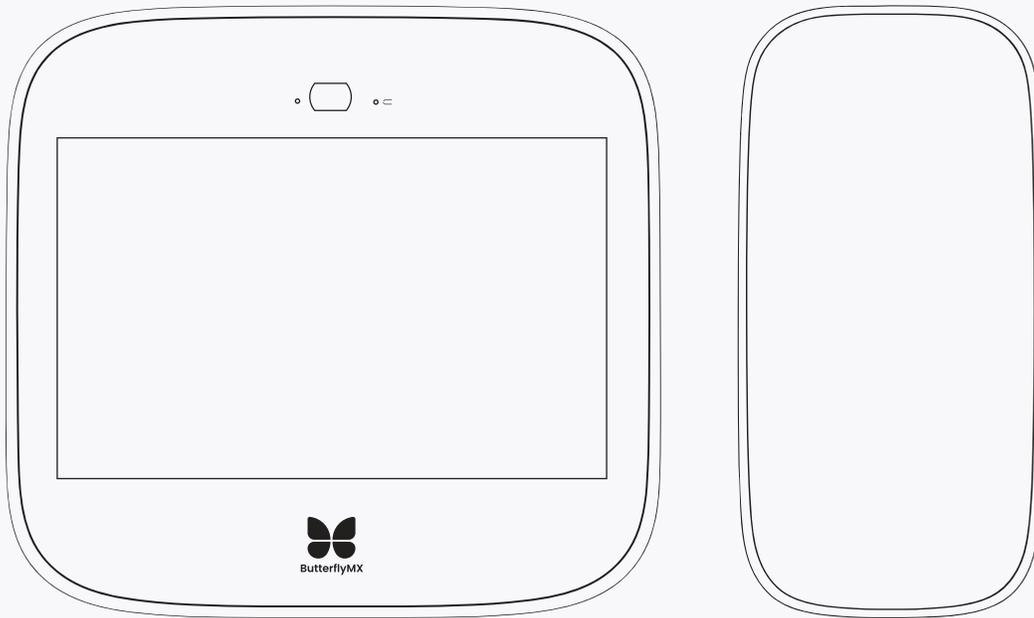


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Package Contents

8" or 12" Intercom

with I/O port cover using
8x hex captive screws

Key

Power Dongle

AC Power Cord

24VDC Power Supply

For surface mount configurations:

Backplate
Articulating arm
Mini mount
Pocket screwdriver
Pocket level
0.5mm pocket screwdriver
12 PIN Phoenix Connector
2x 6 PIN Phoenix Connectors
2x electrical components (diode, varistor)
7x drywall anchors
7x FH8#-15x1" TP-A mounting screws

What is NOT included

Items listed below are not included with the ButterflyMX Intercom and must be sourced by the installer prior to installation. This is not an exhaustive list.

Electric Locking Hardware

The ButterflyMX Intercom can only operate doors that have electric locking hardware installed (e.g. electric strike, magnetic lock, automatic door, electrified panic bar, etc.). Please see the installation manual of your electric locking hardware for the wiring requirements and best installation practices.

Low Voltage Cables

Connect the Intercom to electric locking hardware and any other accessories. These cables should be rated to handle the voltage and amperage necessary for their particular use case.

Network Cable

Required to connect the Intercom to the Ethernet router; must be Cat5e or higher. If the distance is greater than 300 ft, a switch or repeater is required.

Uninterrupted Power Supply (UPS)

Not including a UPS in the installation voids our Intercom's warranty. Minimum requirements for the ButterflyMX Intercom: 600VA / 300W.

Recommended device: APC UPS Battery Backup and Surge Protector, 600VA BE600M1 Back-UPS

Multimeter

Highly recommended to verify voltage after connecting relays.

Request to Exit (REX) Device

The door's exit hardware should allow for mechanical free egress. If the door's exit hardware does not have mechanical free egress, refer to local codes and jurisdictions for requirements.

Before You Start

We recommend performing a site visit prior to installing ButterflyMX hardware to determine what additional ButterflyMX or third-party hardware may be required. A site visit is **required** if Wi-Fi is the only planned internet connection method.

For pre-installation questions on connectivity, contact SolutionsArchitecture@butterflymx.com.



ATTENTION

This installation guide walks certified installers through the process of installing the ButterflyMX Intercom.

The activation process will verify all systems are operational, document installed hardware, and activate the system. Activation is done by calling ButterflyMX Support while the installer is on-site at **(800) 398-4416, ext 2**.

The Intercom has been tested under UL for temperatures between -40.0°F and +150.8°F (-40°C and +66°C) and 93% (±2%) of relative humidity.

All systems must be activated once installation is complete and while the installer is on-site.

If installing the ButterflyMX Intercom with an Access Control System (ACS), the ACS must meet all relevant local, state, and federal codes. It is the responsibility of the installer to make sure all electric locking hardware, REX devices, and physical exit devices are configured in a manner that is safe, effective, and meets all relevant codes.

ButterflyMX supplies Intercoms and Access Control Systems. We do not supply any additional accessory devices (e.g. motion sensors, electric locking hardware, etc.).

The ButterflyMX Intercom is IP65 certified, and suitable for indoor and outdoor installation. If desired, pedestals and hoods are available for purchase separately via a third-party. Contact your ButterflyMX representative for more information.

Some installations will require customized housing, especially with retrofits. If this is required, please contact your ButterflyMX representative to discuss options.

If installed in accordance with the installation guidelines provided in this document, the ButterflyMX Intercom and Access Control System does not prevent the functionality of the emergency exit (i.e., fire emergency) functions. Consult with your installer and relevant local authorities to ensure your ButterflyMX Intercom and Access Control System complies with all local, state, and federal codes.

This device must be installed in accordance to NFPA 70 along with any additional requirements imposed by the local authority of jurisdiction.

This guide details the standard installation for the ButterflyMX Intercom only.

If installing a ButterflyMX Access Controller, please see the [2-Door Access Controller & Readers Installation Guide](#) on the ButterflyMX website.

If installing the Intercom with a pedestal or hood, contact ButterflyMX Support.

If installing a ButterflyMX Elevator Control System, please see the [Elevator Control System Installation Guide](#) on the ButterflyMX website.

How to become a ButterflyMX certified installer.

To qualify for dealer pricing and to ensure you do not void our two-year hardware warranty, we require anyone installing our products to be certified.

The certification process is a free online course and shouldn't take more than 30 minutes to complete. Once you are certified, we may also provide you with free installation referrals.

[Click here to get certified](#)

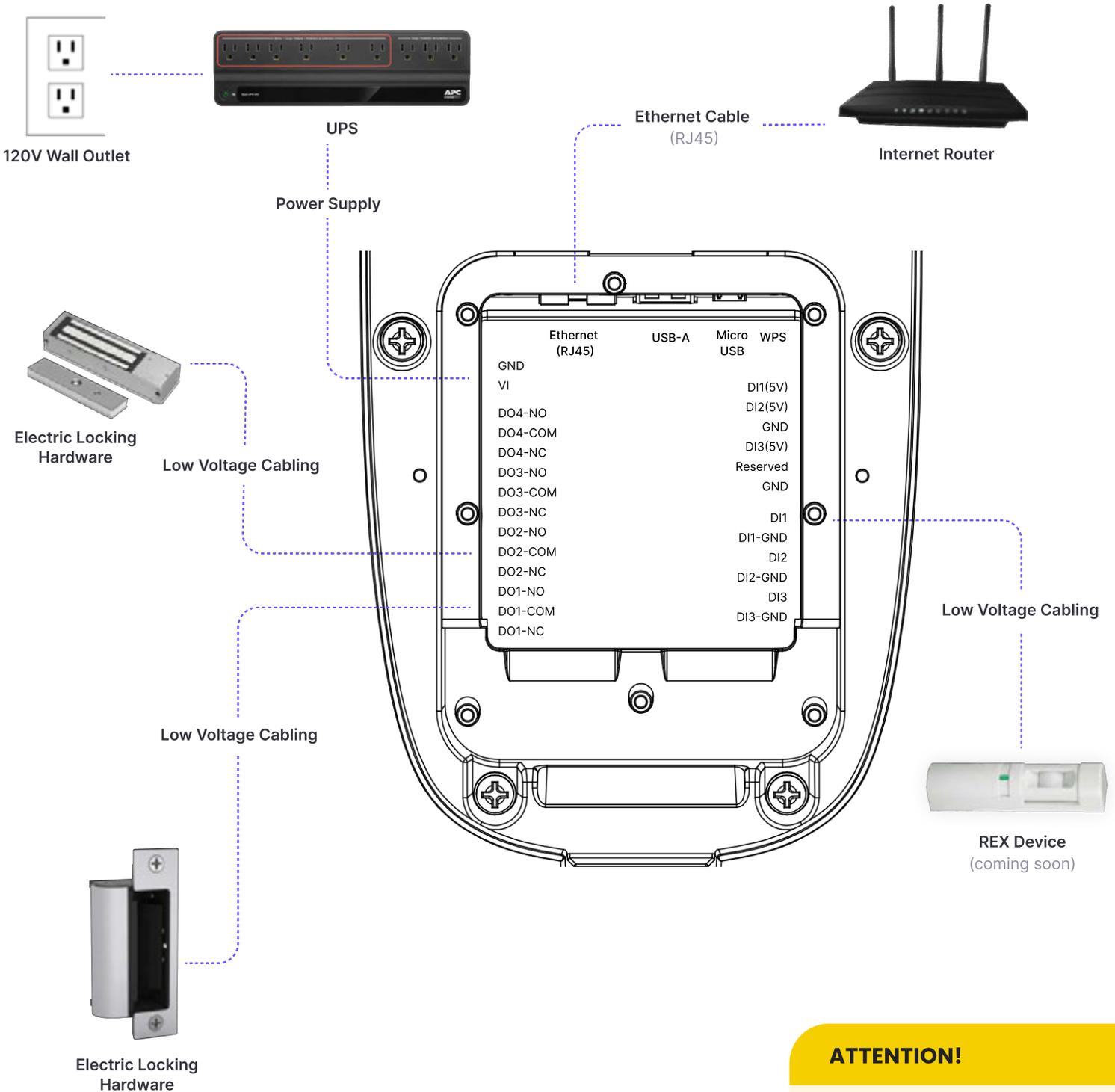
ButterflyMX Support

(800) 398-4416, ext. 2
Mon—Fri 6am-10pm, Sat—Sun 8am-8pm ET
support@butterflymx.com

Find more resources on the ButterflyMX Intercom by scanning the QR code to the left.



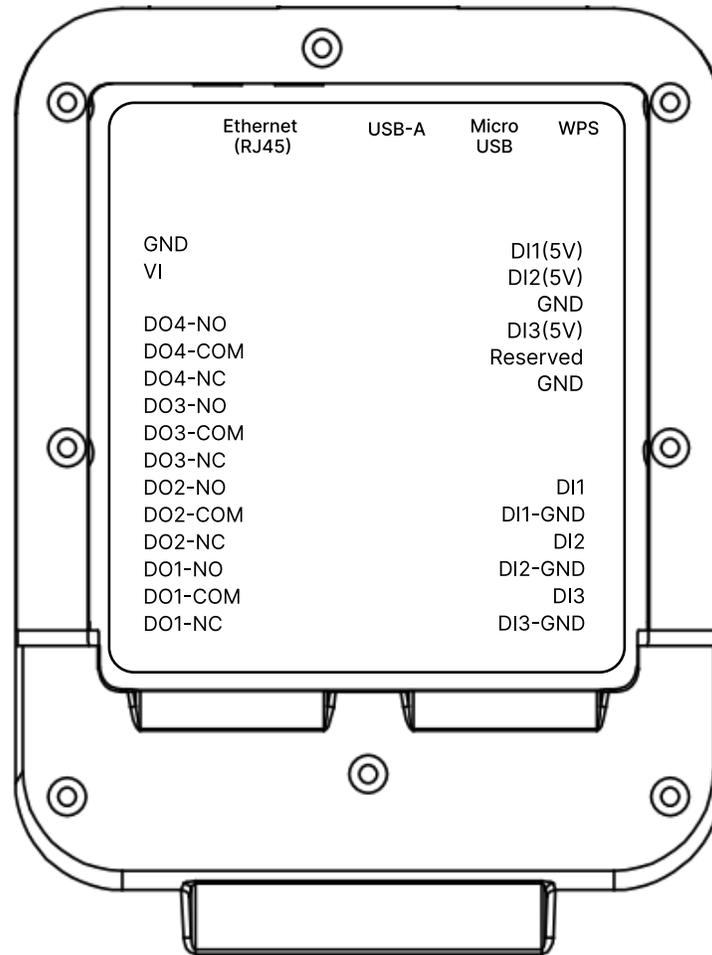
System Overview



ATTENTION!

For third-party hardware, please refer to the manufacturer's documentation.

Intercom Overview



Ethernet (RJ45)

Connect with RJ45 using a Cat5e rated cable or higher. Wi-Fi is supported if Ethernet is not available.

USB-A

Input for keyboard and mouse required for programming and troubleshooting.

WPS

Lever for triggering WPS Wi-Fi connection when pressed in conjunction with router's WPS button.

Power Supply (GND / VI)

Connect using provided 24VDC power supply. Power supply is compatible with a 120V AC wall outlet.

Dry Relay Outputs (DO1, DO2, DO3, DO4)

Four outputs for electric locking hardware powered by an external power supply. Each output is rated up to 2A/30VDC and 0.5A/125VAC.

COMING SOON Digital Inputs (DI1, DI2, DI3)

Three digital inputs to be programmed for request-to-exit or door-state-sensor devices (e.g. push-to-exit button, motion sensor, etc.).

Network Requirements

Attention: A site visit is **required** if Wi-Fi is the only planned internet connection method.

Internet

A ButterflyMX Intercom needs a reliable internet connection to provide optimal service. The client is responsible for acquiring and maintaining this service.

When possible, a wired Ethernet connection is preferred over wireless (Wi-Fi).

Wi-Fi is compatible with 5GHz (802.11ac) networks, and is available only in secure networks (no open Wi-Fi networks).

Bandwidth

All ButterflyMX devices require a minimum bandwidth of 2 Mbps for uploading and downloading.

If sharing an internet connection with other devices, please configure QoS to ensure minimum bandwidth requirements are met.

DSL connections cannot support the ButterflyMX Intercom; cable or fiber connections are preferred.

Be aware that any high traffic devices (e.g. CCTV, security cameras, other video-streaming devices) on the same switch as the Intercom may impact the Intercom's performance.

IP/DHCP

ButterflyMX devices use DHCP to obtain an IP address.

Static IP assignments are supported via DHCP reservations only. If setting up the Intercom with a managed network, an IT administrator is required on site during installation.

Please contact ButterflyMX Support for more information if required.

Firewall

ButterflyMX Intercoms must be whitelisted. If this causes an issue in installation, please contact SolutionsArchitecture@butterflymx.com for additional support.

If there is a firewall at the property, you may need to whitelist the Intercom's MAC address. MAC addresses for Intercoms can be provided by ButterflyMX support at support@butterflymx.com.

For more information on network requirements, contact SolutionsArchitecture@butterflymx.com.

Power Supply Requirements

Power Supply

We require the use of the provided 24VDC power supply to power the ButterflyMX Intercom.

If your installation requires a custom power configuration, contact SolutionsArchitecture@butterflymx.com.

Uninterruptible Power Supply (UPS)

Our Intercom's warranty is voided if installed without a UPS, as it protects the device from voltage surges and drops.

ButterflyMX minimum AC UPS requirements for a single Intercom: 600VA/300W.

Recommended device: APC UPS Battery Backup and Surge Protector, 600VA BE600M1 Back-UPS

The UPS must be plugged into a power receptacle; it cannot be plugged into a power surge protector or extension cable.

The UPS should be exclusively dedicated to the ButterflyMX Intercom.

Wiring Information

Connection Path	Compatible Cables	Max Length
Intercom to electric locking hardware	18 AWG, 2 conductors (18/2) cable	See lock power supply for specifications and distance.
Intercom to ButterflyMX Access Control System (or third-party ACS)	18 AWG, 2 conductors (18/2) cable	—
Intercom to power outlet	10' 24VDC / 2.08A / 50W power supply (6' AC cord)	<p>DC length and gauge vary based on distance from Intercom to outlet.</p> <ul style="list-style-type: none">• 0 - 10 ft: use power adapter that is included & always install UPS.• 10 - 50 ft: 18 AWG• 50 - 100 ft: 16 AWG• 100 - 180 ft: 14 AWG• 180 - 300 ft: 12 AWG <p>If run length exceeds 200 ft, consider using a junction box.</p>
Intercom to internet router	Ethernet: CAT5e or higher (RJ45 terminations)	<p>328 ft</p> <ul style="list-style-type: none">• Length varies based on distance from Intercom to router.• If distance is greater than 300 ft, a switch or repeater is required.• Use a shielded twisted pairs cable wherever possible. <p><i>Note: Never splice Ethernet cables. Do not use couplers, extenders, or data jacks.</i></p>

Installation Steps

Prepare the Intercom for installation

1. Locate the internet router and verify the internet connection method and access.

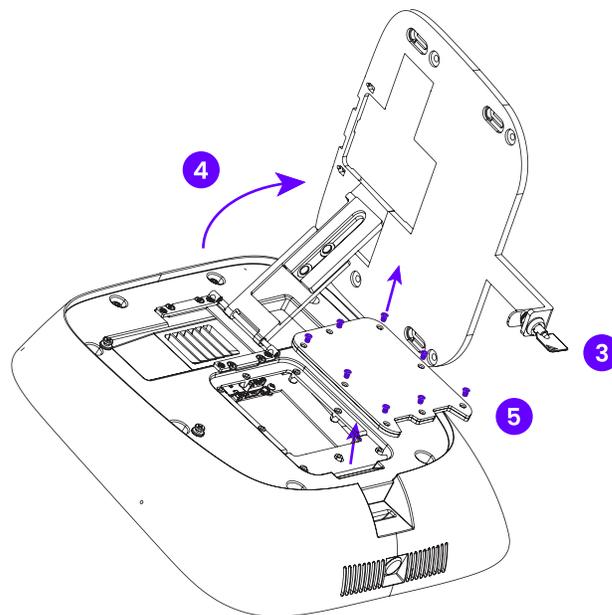
2. Ensure you have enough space behind the mounting location for excess wiring.

3. Use the included keys to unlock the back plate by the lock at the bottom of the Intercom.

4. Move the back plate off of the Intercom, shifting it up and off the securing screws.

Note: The keys cannot be removed from the lock when the lock is in the open state.

Note: The articulating arm attaches the back plate to the Intercom and cannot be removed.



5. If still attached, remove the mini mount from the back plate of the Intercom. Use the included hex screwdriver, unscrew the eight hex captive screws that secure the I/O plate to the Intercom.

Note: The I/O plate will need to be re-installed following cable connections, keep plate with attached screws in a secure and easily accessible location.

Installation Steps

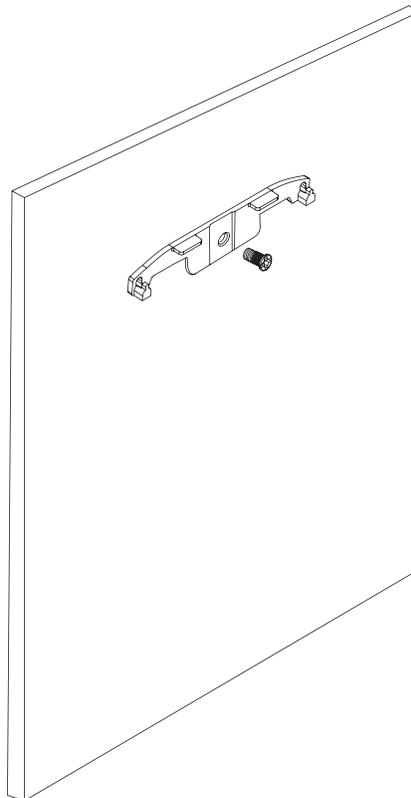
Mount the Backplate

Attention: The Intercom cannot be disconnected from the back plate.

- 1. Use the provided drilling template.**
Use the provided drilling template for assistance in drilling holes to mount the back plate correctly.

Note: Seven FH8#-15×1" screws are included in the mounting kit. Four screws are required to secure the back plate to the wall, and one screw is required to secure the mini mount.

- 2. Install the mini mount.**
Install the mini mount using one FH8#-15×1" screw. Use the included level to ensure the mini mount is horizontally aligned.



Installation Steps

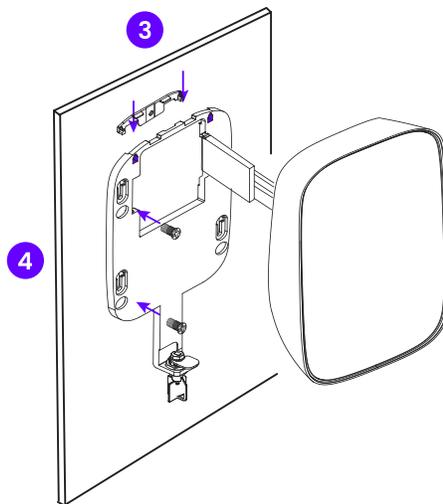
Mount the Backplate

3. Hook the back plate and Intercom onto the secured mini mount.

Hook the back plate and Intercom onto the secured mini mount using the brackets at the top of the back plate. Use the included level to ensure the back plate and Intercom are aligned appropriately.

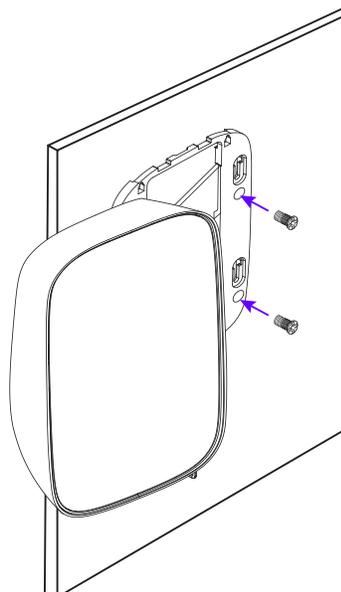
4. Install screws on the left-hand side of the back plate, securing it to the wall.

Move the Intercom away from the mounting plate in order to install two FH8#x1 screws on the left-hand side of the back plate, securing it to the wall.



5. Install screws on the right-hand side of the back plate.

Install two FH8#x1 screws on the right-hand side of the back plate..



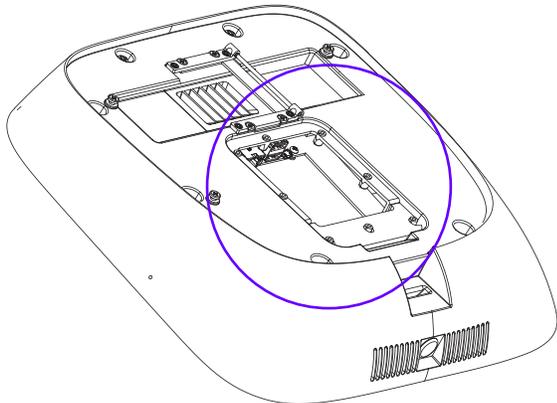
Installation Steps

Wiring Termination Sequence

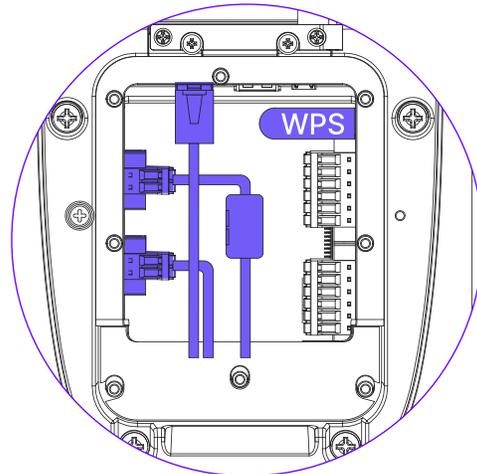
Attention: Please ensure network connections are disconnected at the network switch and power is disconnected at the UPS power location before starting these steps. Please keep in mind that a site visit is **required** if Wi-Fi is the sole intended method of internet connection.

It's important to maintain an appropriate service loop to support Intercom movement and future service capabilities.

- 1. Pull all the cables through the backplate.**
Pull all the cables through the star openings on either side of the black rubber gasket of the backplate. Be sure to distribute cables evenly between the two star openings.



- 2. Connect the power connector to the Intercom.**
Screw the power dongle to the terminal block using the mounting screws and the pocket screwdriver provided in the mounting kit.



- 3. Connect all relays and I/O connectors.**
Connect all required relays and I/O connectors, screwing in the terminal block mounting screws with the pocket screwdriver provided in the mounting kit.

- 4. Plug in the Ethernet cable if the internet source is Ethernet.**
Plug in the Ethernet cable if the internet is coming from Ethernet or Wi-Fi without WPS. If using Wi-Fi with WPS, no Ethernet connection is required.

Installation Steps

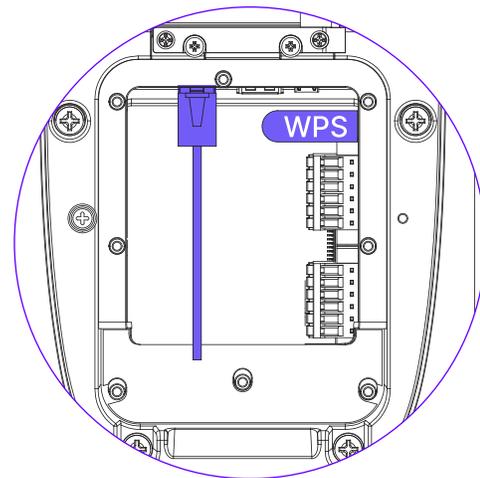
Connect Network (Ethernet + Wi-Fi without WPS)

The ButterflyMX Intercom can be connected to the network through Ethernet or Wi-Fi. Whenever possible, Ethernet connections are preferred to ensure connection stability. If connecting through Wi-Fi without WPS, you must first connect the Ethernet cable to the Intercom. Please keep in mind that a site visit is **required** if Wi-Fi is the sole intended method of internet connection.

If the Intercom will be connected using Wi-Fi with WPS, skip to the next step, Connect Power.

Option A

- 1. Connect via Ethernet Cable.**
Plug one side of the Ethernet cable into the available port on the Intercom, and the other side into an available port on the building's network equipment.



Option B

- 1. Connect via Wi-Fi (Without WPS).**
If you plan to connect using Wi-Fi, the installer must verify Wi-Fi signal strength in desired installation location prior to installation of the Intercom.

Connecting the Intercom to Wi-Fi without a WPS button requires an established wired internet connection for setup. If you plan to connect using Wi-Fi, please ensure that the Intercom is connected via Ethernet prior to connecting power.

The Intercom must first be installed and activated prior to connecting Wi-Fi. Call ButterflyMX Support during the activation process detailed in Step 7 to activate Wi-Fi.

ATTENTION!

If connecting through Wi-Fi without WPS, you must first connect the Ethernet cable to the Intercom.

Installation Steps

Connect Network (Wi-Fi through WPS)

This step only applies if there is a WPS button on the router, and the Intercom has not been connected via Ethernet (for either hard wired or Wi-Fi connections). If WPS fails to connect, or your router does not have a WPS button, return to the "Connect Network" section of this guide to configure Ethernet.

- 1. Ensure the Intercom has been successfully connected to power.**
- 2. Push the WPS lever.**
Push the WPS button on the router and press down on the WPS lever on the Intercom at the same time.
- 3. Wait 5 minutes.**
Please allow 5 minutes for the WPS Wi-Fi connection to be established with the ButterflyMX backend.
- 4. Testing and verification will happen during activation.**
WPS Wi-Fi connection will be verified and tested later in the installation, after contacting ButterflyMX Support to complete activation.

Installation Steps

Connect Relay(s)

The Intercom requires diodes (for DC locks) or varistors (for AC locks). This ButterflyMX Intercom does not require an isolation relay. However, if installing an isolation relay, the circuit that powers the lock needs to be isolated from the circuit that powers the relay with two separate power supplies.

If an ACS is present:

- 1. Connect relay to designated input.**
A relay from the Intercom will need to connect to the third-party ACS designated input. Consult with your third-party ACS support to configure the input to unlock the lock.
- 2. Or, connect relay to existing REX input.**
If a designated input is not available, connect the Intercom relay into the existing REX input on the ACS, as it may already be programmed to release the door.

If an ACS is not present:

- 1. Connect relay to lock's power supply.**
The Intercom relay will need to interface with the lock's power supply.
- 2. Ensure proper installation.**
Ensure the diode/varistor is installed properly, as close as possible to electric locking hardware, to prevent damaging the Intercom.

Electronic Locking Hardware

Important Information on Fail-Safe and Fail-Secure Modes

Electric locking hardware

When using electric locking hardware, make sure you understand the implications of choosing the mode of operation (fail-safe or fail-secure). Magnetic locks will always operate in a fail-safe mode.

Fail safe

Electric locking hardware in a fail-safe mode will default to an **unlocked** state when the system loses power.

This means the locking hardware will remain unlocked until power is restored. Fail-safe locks may be required to comply with certain codes and Life Safety requirements.

Fail secure

Electric locking hardware in a fail-secure mode will default to a **locked** state when the system loses power.

Fail-secure electric locking hardware may require an additional physical method of exit (e.g. crash bar) or mechanical free egress.

Magnetic lock

Magnetic locks will **always** operate in a fail-safe mode. Connect the magnetic lock to N.C. and COM (Normally Closed and Common).

Automatic door or externally controlled door

If you're using an automatic door or an externally controlled door, make sure to configure the external controller and door hardware to operate correctly and to accept the input from the ButterflyMX Intercom. It is recommended to contact the door manufacturer or their representatives before installing the ButterflyMX Intercom for compatibility and operational guidance.

Connect the externally controlled door to N.O. and COM (Normally Open and Common).

Industry recommended wire gauge based on power rating:

TOTAL LENGTH OF WIRE RUN	CURRENT at 12V			CURRENT at 24V		
	0.5A	1A	2A	0.5A	1A	2A
0 - 100 ft	18 AWG	14 AWG	12 AWG	18 AWG	18 AWG	14 AWG
100 - 150 ft	16 AWG	12 AWG	10 AWG	18 AWG	16 AWG	12 AWG
150 - 200 ft	16 AWG	12 AWG	—	18 AWG	16 AWG	12 AWG

Installation Steps

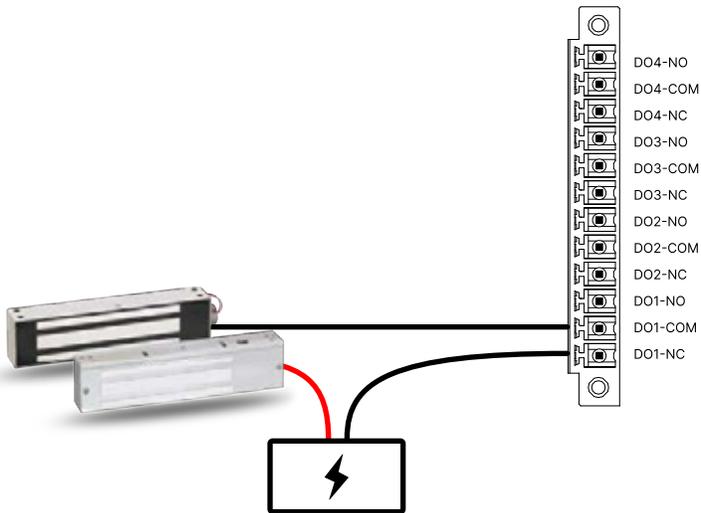
Connect the Intercom to Electronic Locking Hardware (Option 1 of 2)

Before you install the electric locking hardware, check the manufacturer's documentation to set the mode of operation.

1. Connect to electric locking hardware.

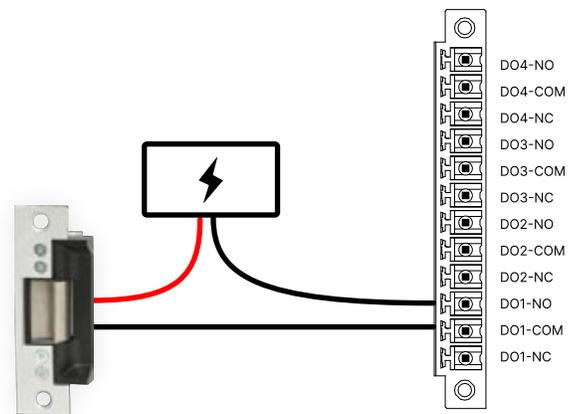
Fail safe

Electric locking hardware (fail safe) powered by external power supply.



Fail secure

Electric locking hardware (fail secure) powered by external power supply.



Installation Steps

Connect the Intercom to Electronic Locking Hardware (Option 2 of 2)

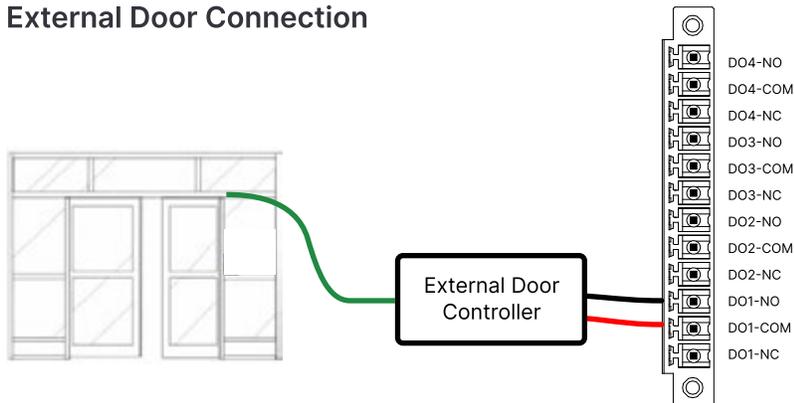
1. Connect to automatic door or externally controlled door.

Connect automatic door or externally controlled door to the Intercom.

Be sure to connect the wires to the correct terminals (N.O. and COM) on the dry relay output.

Connect the external door controller according to the manufacturer's documentation for desired operation.

External Door Connection



Installation Steps

Connect Power

Attention: **These steps must be followed in order.** Do not connect AC power cord to power supply before starting the steps below. Never use AC to power the Intercom.

Please keep in mind that a site visit is **required** if Wi-Fi is the sole intended method of internet connection.

- 1. Connect male Phoenix Connector on the dongle to the Intercom.**
Be sure to tighten the winged screws using the included pocket screwdriver.
- 2. Attach the 24V power supply to the female Phoenix Connector on the dongle.**
- 3. Connect the AC power cord to the 24V power supply.**
- 4. Connect Intercom power supply to a UPS Battery + Surge plug.**
- 5. Connect UPS to the power source, plugging into 120V 3-prong wall outlet.**
Please keep in mind, the UPS should be exclusively dedicated to the ButterflyMX Intercom.
- 6. Wait for 45-60 seconds for the Intercom startup screen to appear.**



If the touchscreen does not illuminate, then the Intercom is not connected to power. If splicing to extend the ButterflyMX power cable is required, [view wiring diagram on our website.](#)

If installing this Intercom outside of the United States, contact SolutionsArchitecture@butterflymx.com for installation guidance prior to installing.

Installation Steps

Activate and Test

All systems must be activated once installation is complete and while the installer is on-site.

Activation will verify all systems are operational, document installed hardware, and activate the ButterflyMX system. Activation is done by calling ButterflyMX Support while the installer is on-site at (800) 398-4416, ext 2.

Be prepared to provide wiring specifications, building address, and **Intercom serial number**.

ButterflyMX support will work with the installer to test video calls and PIN codes for confirmation of installation steps and verification Intercom functionality.

Please schedule installations with this requirement in mind.

If connecting the Intercom to Wi-Fi without WPS

While activating the Intercom with ButterflyMX Support, ask to configure Wi-Fi.

Be prepared to provide the desired network's SSID and password.

Once ButterflyMX Support has connected the Intercom to Wi-Fi, disconnect Ethernet cable from the Intercom and network equipment.

In its current location, verify Intercom is connected to Wi-Fi.

Once in its final installation location, verify that there is still an established Wi-Fi connection.



Activation is required.

ButterflyMX will notify the client that installation is complete and will begin onboarding.

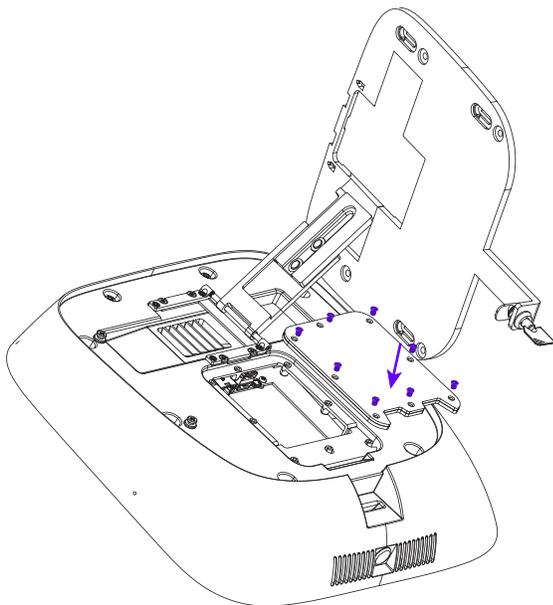
All documentation can be found on <https://butterflymx.com/resources/installers/documentation>.

Installation Steps

Mount the Intercom

- 1. Ensure wiring fits within the I/O port.**
Ensure all wiring fits within the I/O port and all Phoenix Connector wing screws have been fastened.
- 2. Distribute wiring evenly.**
Distribute wiring evenly through bottom opening gasket of the back plate to maintain an IP65 seal.
- 3. Re-install the I/O plate.**
Re-install the I/O plate using attached captive hex screws. Tighten hex screws using included hex screwdriver to approximately 10 ft-lbs (foot-pounds).
- 4. Retract the articulating arm.**
Retract the articulating arm by lightly pushing the Intercom towards the back plate.

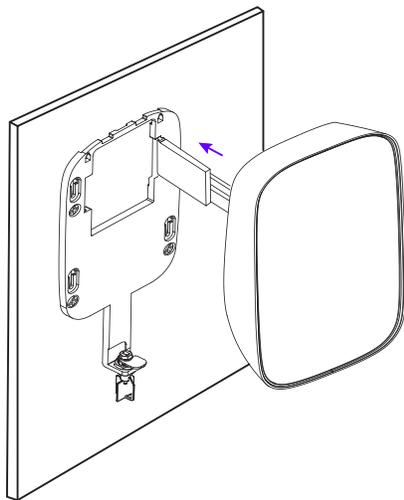
I/O plate must be level with the back of the Intercom to complete the installation and maintain IP65 rating.



Installation Steps

Mount the Intercom, cont.

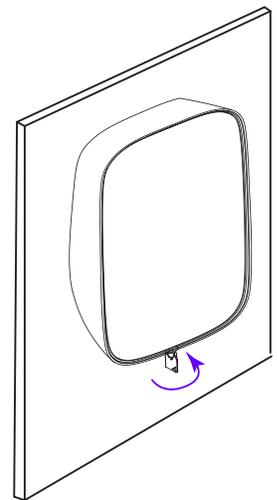
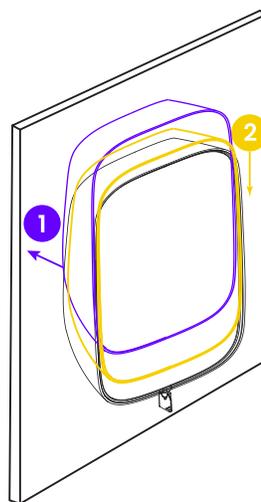
- 5. Move the Intercom into position.** Move the Intercom into position on the back plate. Manually feed cabling through the Intercom backplate to prevent pinched cable.



- 6. Secure the Intercom to the backplate.** Secure the Intercom to the backplate by firmly pushing down against the mounting plate to engage the keyhole mount.

The Intercom will not secure itself to the back plate if the I/O plate is not level with the device.

Note: adequate downward pressure is required to engage the keyhole mount.



- 7. Lock the Intercom onto the backplate.** Turn the key to lock the Intercom onto the mounting backplate. Note that the keys cannot be removed from the lock when the lock is in the open state.

Be sure to maintain an appropriate service loop to support Intercom movement and future service capabilities.

Troubleshooting

Please contact ButterflyMX Support at support@butterflymx.com if you have any questions related to activation and programming of the Intercom or if you are experiencing any difficulties with wiring or installation of the Intercom, network connectivity, or power supply.

Ethernet Port Light Diagnostics

The Ethernet port will communicate the status of the internet connection using two LED lights on the left and right of the port:

Normal operation

Left Ethernet light = Solid green

Right Ethernet light = Blinking amber

If the Intercom is not connecting to the Internet and shows a light pattern other than the above, please contact ButterflyMX Support.

Power Cycling

To power cycle the ButterflyMX Intercom, disconnect the power supply from the AC brick for 30 seconds, then plug back in. Verify the Intercom is receiving power by checking that the screen is showing the ButterflyMX application.

No Power

Verify the UPS and power supply brick are plugged in, and all connections are secure between the dongle, AC, and DC power cords. Ensure the UPS is connected to the Intercom only. If the problem persists, contact ButterflyMX support.

Touchscreen Not Responding

Power cycle the device. If the problem persists, contact ButterflyMX support.

Door Not Opening

Verify the relay connections match the diagrams in this installation guide. If the problem persists, contact ButterflyMX support.

Additional troubleshooting

ButterflyMX Support

(800) 398-4416, ext. 2

Mon—Fri 6am-10pm, Sat—Sun 8am-8pm ET

support@butterflymx.com

Compliance

Federal Communications Commission Interference Statement

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.

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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

UL 294

UL 294 Performance Levels

Destructive	Line Security	Endurance	Standby Power
Level I	Level I	Level IV	Level I

ULC60839-11-1: Grade 1, Environment: outdoor

Ethernet, USB, WPS, Network, WI-FI, and UPS were not evaluated during intercom UL testing. *Ethernet, USB, WPS, Network, WI-FI et UPS n'ont pas été évalués lors des tests UL d'interphone.*

Compliance

Canada, Industry Canada (IC) Notice

Canada, avis d'Industry Canada (IC)

This device complies with Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada exemptes de licence RSS standard(s).

Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

UNII devices

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems. For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725–5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate.

Where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

Les dispositifs fonctionnant dans la bande de 5 150 à 5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux. Pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5 725 à 5 850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée, selon le cas.

Lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués.

Radio Frequency (RF) Exposure Information

Informations concernant l'exposition aux fréquences radio (RF)

The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal.

This device has also been evaluated and shown compliant with the IC RF Exposure limits under mobile exposure conditions (antennas are greater than 20 cm from a person's body).

Ce périphérique a également été évalué et démontré conforme aux limites d'exposition aux RF d'IC dans des conditions d'exposition à des appareils mobiles (antennes supérieures à 20 cm à partir du corps d'une personne).

Power Adapter Information

Model: EDAC Power Elec. EA10681H

Output: 24 V 2A

To maintain certification, do not use any power supply other than the one provided with this Intercom.

Pour maintenir la certification, n'utilisez aucune autre source d'alimentation que celle fournie avec cet interphone.

Compliance

The product is intended to be supplied by a UL Listed Power Unit marked "L.P.S." (or "Limited Power Source") and is rated 9-24Vdc, 2.5-0.88A min., Tma 40 degree C. *Le produit est destiné à être alimenté par une unité d'alimentation UL répertoriée marquée "L.P.S." (ou "Limited Power Source") et est noté 9-24Vcc, 2,5-0,88A min., Tma 40 degrés Celsius.*

If further assistance with purchasing the power source is needed, please contact AVALUE TECHNOLOGY CORPORATION. *Si vous avez besoin d'une assistance supplémentaire pour l'achat de la source d'alimentation, veuillez contacter AVALUE TECHNOLOGY CORPORATION.*

Adapter is used for interior circuit only. *L'adaptateur est utilisé uniquement pour le circuit intérieur.*

Do not replace batteries of the EUT.

Risk of explosion may occur if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions:

- Leaving an EUT in an extremely high temperature surrounding environment can result in an explosion or the leakage of flammable liquid or gas.
- EUT subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.
- Explosion may occur due to disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery.

Ne remplacez pas les piles de l'EUT.

Un risque d'explosion peut survenir si la pile est remplacée par un type incorrect. Éliminez les piles usagées conformément aux instructions suivantes:

- Laisser un EUT dans un environnement extrêmement chaud peut entraîner une explosion ou une fuite de liquide ou de gaz inflammable.
- Un EUT soumis à une pression atmosphérique extrêmement basse peut entraîner une explosion ou une fuite de liquide ou de gaz inflammable.
- Une explosion peut survenir en cas d'élimination d'une pile dans le feu ou un four chaud, ou en cas d'écrasement ou de coupe mécanique d'une pile.

Warranty Information

ButterflyMX has a two-year limited warranty to end customers. For full details, see <https://butterflymx.com/warranty>