

BZ32 Siren Strobe



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Document Details

Version

V0.6 20240815

(V0.5 published 20240710)

Firmware

Firmware version can be verified on Verkada

Command command.verkada.com.

Product Models

This install guide pertains to models BZ32

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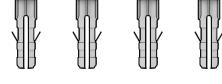
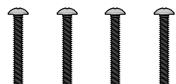
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Introduction

What's in the box



#6-32 Machine Screws (4 pcs)

Length: 25.4mm Drive: #2 Phillips

M4 Wall Screws (4 pcs)

Length: 25mm Drive: #2 Phillips

Wall Anchors (4 pcs)

Length: 25mm Drive: NO

What you'll need

- A smartphone or laptop
- A working internet connection
- 7/32 inch (5.5mm) drill bit for wall anchors (if using mount plate)
- 1/8 inch (3mm) drill bit for pilot holes (if using mount plate)
- Wire stripper (for terminal block)
- #2 Phillips head screwdriver/driver bit
- Flat head screwdriver (for terminal block)

Connect

For easy registration and setup, scan the QR code on the product.

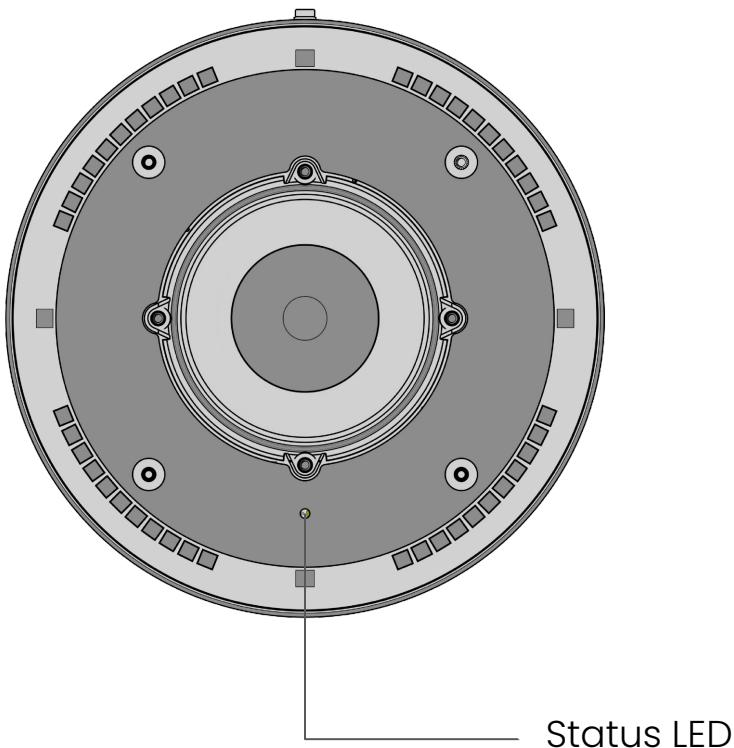
If you prefer to manually register your product, please proceed to:

verkada.com/start

Caution

This device is only to be connected to a power distribution system with the same grounding network as the building it is being installed in or on.

Overview



Status LED Behavior

- **Solid Orange**
[EDIT] is on and booting up.

- **Flashing Orange**
[EDIT] is updating firmware.

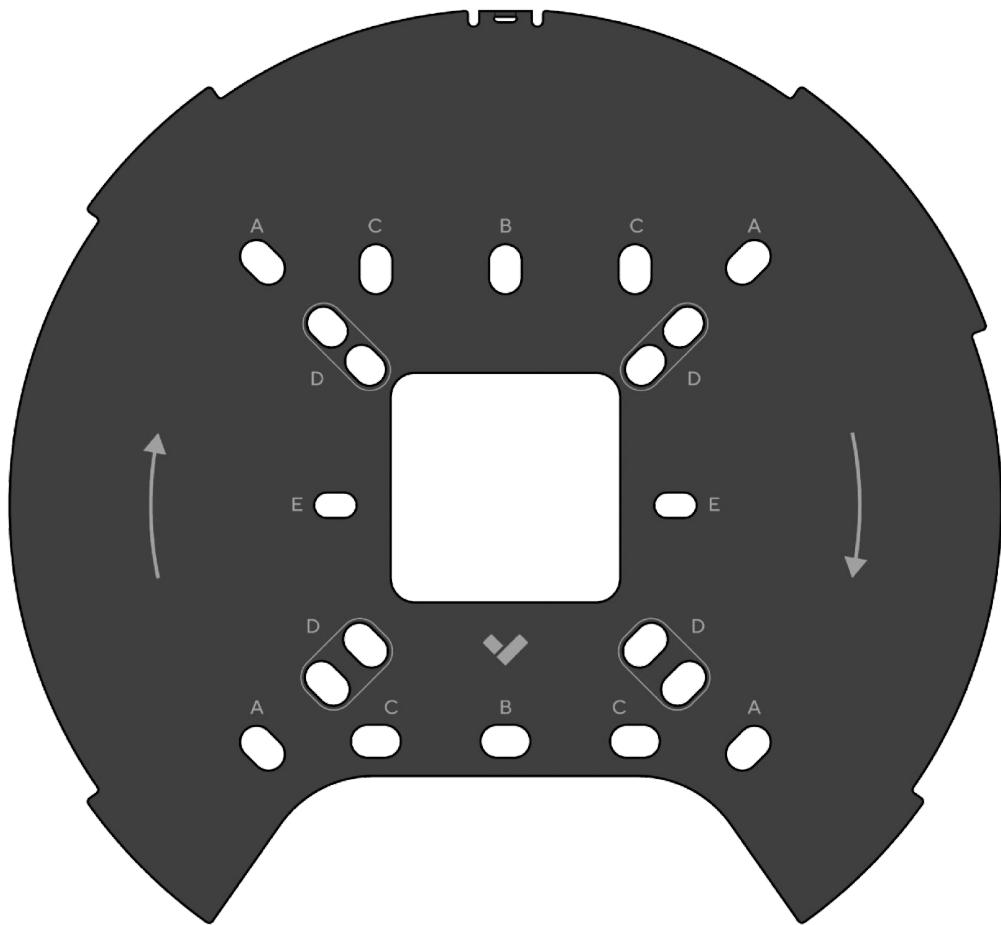
- **Solid Blue**
[EDIT] is running and online.

- **Flashing Blue**
[EDIT] is running and offline.

Introduction

Mounting Hole Details

All x4 mounting-A holes should be used for "standard" wall mount scenarios (i.e. not on any junction box)



Mount plate details

- A** 4" Square Junction
- B** Single Gang Junction Box
- C** Double Gang Junction Box
- D** Circular Junction Box
- E** European Junction Box

Introduction

Technical Specifications

Battery	6x non-rechargeable Energizer Ultimate Lithium L91 AA batteries (included). 5-year typical battery life with 90 min active time for siren + strobe.
DC Input	10-36VDC input via terminal block.
Connectivity	1x input terminal block for RS485 control or Relay on/off control. VLink sub-GHz transceiver with internal Antenna (863MHz - 928MHz).
RF Range	≥ 400m when paired with any of Verkada's VLink capable hubs (ex: BP52, BK22, BE32, WH32, WH52).
Strobe LEDs	4 zones of strobe LEDs controlled separately in red, green, blue, amber, or white.
Siren	Dual tone siren, SPL > 105 dB at 1m.
Tamper Detection	Yes (smart mode)
Impact Protection	IK10 Rated
Ingress Protection	IP66 Rated
Dimensions	194.7mm diameter / 48.6mm height
Weight	632g / 1.39lbs (VALUES BASED OFF EVT3 MODELS, DVT MEASUREMENTS TBD)

Introduction

Operating Modes

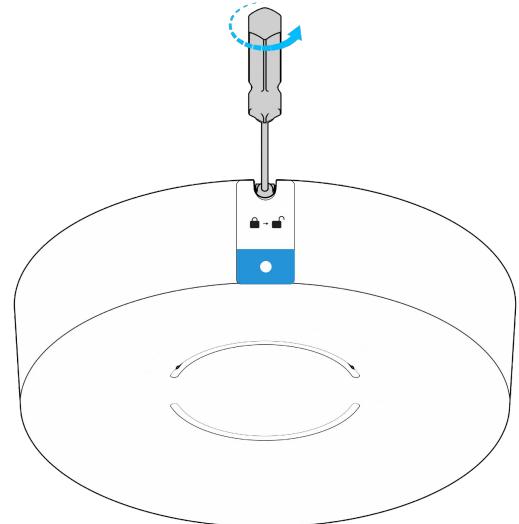
BZ32 provides four options for operation as specified in the table below.

	Option 1	Option 2	Option 3	Option 4
Manual vs. Smart Mode (set via slider switch)	Manual	Smart	Smart	Smart
Siren / Strobe Behavior	Controlled via switches on backside of device: Color – Red, Blue, White, Amber Volume – Mute, Low High	Configured via Command	Configured via Command	Configured via Command
Power Source	Wired DC	Wired DC	Wired DC	Battery
RS485 Connection	-	✓	-	-
Wireless VLink Communication	-	-	✓	✓
Tamper Detection	-	✓	✓	✓
Power Draw	12.5W max	12.5W max	12.5W max	12.5W max

Installation

Remove mount plate

Use the provided T10 Security Torx screwdriver to loosen the security screw located at the top side of the device. Loosen under the spring-loaded screw pops up.



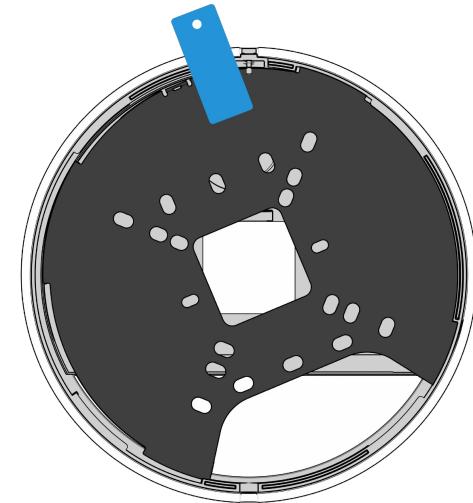
Rotate the mount plate counterclockwise to disengage the locking tabs.



Locked



Unlocked



Remove the mount plate.



Installation

Mount plate Installation

Use the appropriate mounting holes detailed in page 5 to install your mount plate.

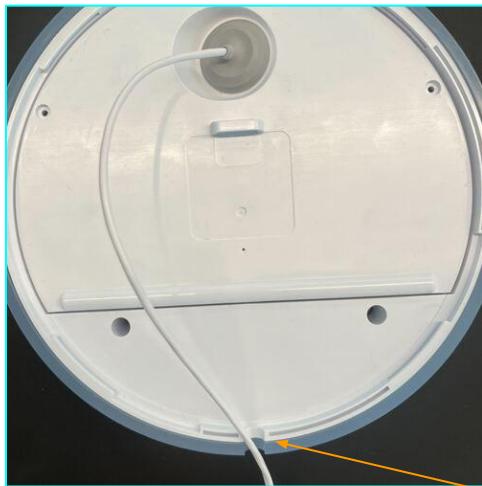
* If you are using a wired DC power configuration, thread the cable through the center square hole OR along the wall. Further instructions on following pages. *



Battery Power

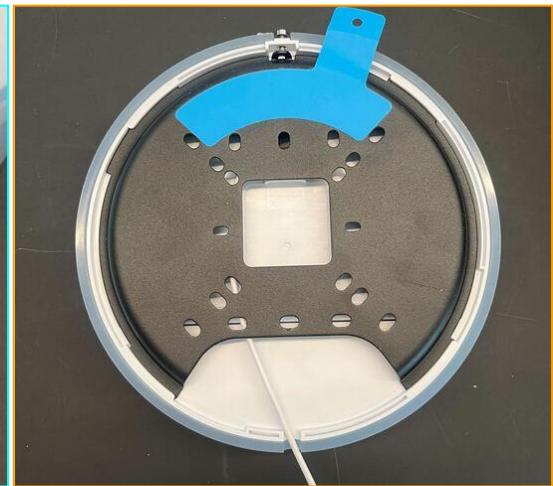
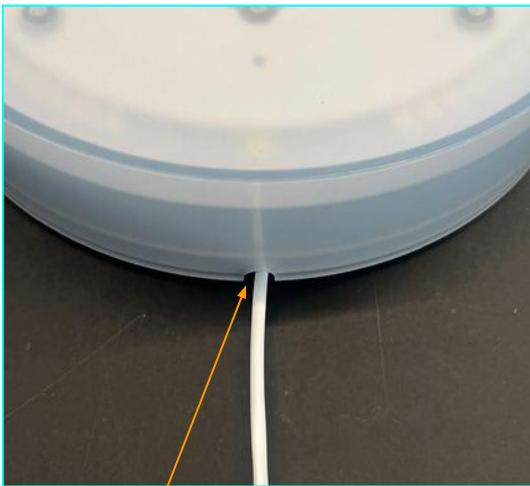


Wired DC Power through wall



Wired DC Power along wall

* route the wire through the small cut out on the bottom of the product *



Just a reference image how device looks put together with mount plate and cable running along the wall.

Installation

Connect

BZ32 supports installations utilizing hardwired DC power & internal (replaceable) batteries.

Use the provided T10 security torx screwdriver to loosen the three screws on the back of the siren-strobe device. Lift the battery door open using the thumb support tab. Opening the battery door will reveal access to the batteries, terminal block, and slider switches.



Pull out the battery tabs for **all** power configurations.

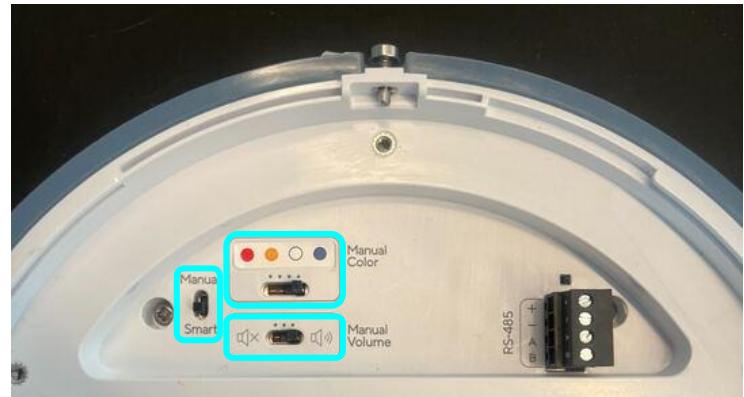


Installation

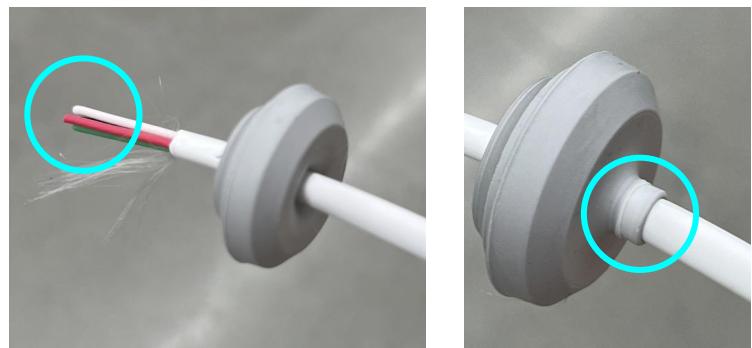
Connect

Operating Mode - Option 1

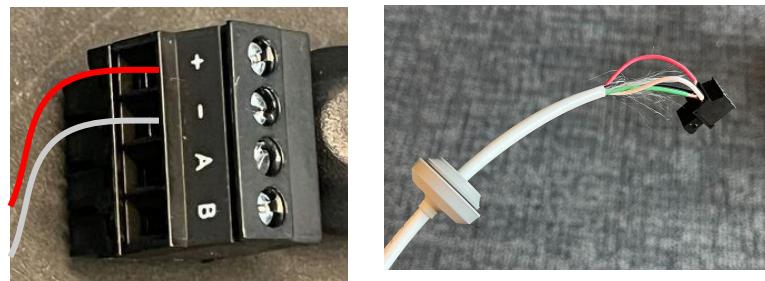
Set the slider switch to Manual mode. Configure your preference of LED color and buzzer volume also using the slider switches.



Poke the cable through the cable grommet before removing the wires outer jacket. **Quickly tug the cable grommet towards the open end to expose the strain relief tail of the grommet.**



Remove the terminal block from the siren-strobe panel and wire your DC connections into the +/- positions of the terminal block.



Thread the terminal block through the battery door hole and plug back into BZ32.

Push the grommet into the battery door. Check to see the strain relief tail is still exposed and properly sealing around the cable.



Installation

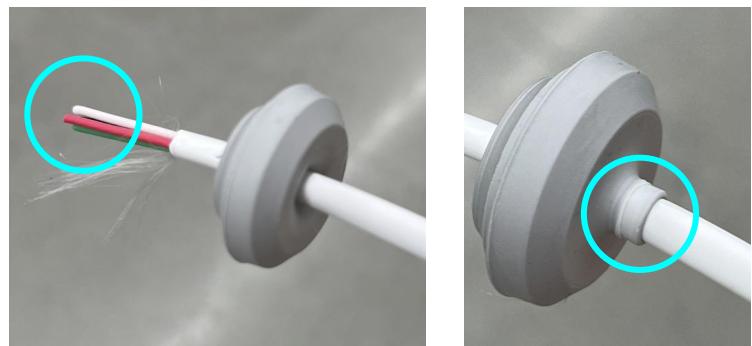
Connect

Operating Mode - Option 2

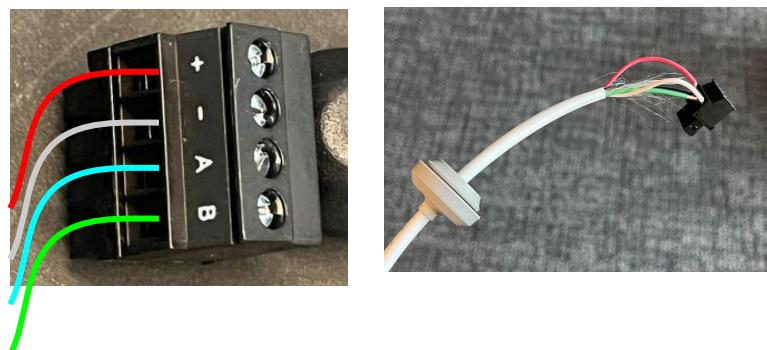
Set the slider switch to Smart mode. There is no need to toggle the LED color and buzzer volume switches. Configure LED color and buzzer volume via Command.



Poke the cable through the cable grommet before removing the wires outer jacket. **Quickly tug the cable grommet towards the open end to expose the strain relief tail of the grommet.**



Remove the terminal block from the siren-strobe panel and wire your RS485 connections into the +/-/A/B positions of the terminal block.



Thread the terminal block through the battery door hole and plug back into BZ32.

Push the grommet into the battery door. Check to see the strain relief tail is still exposed and properly sealing around the cable.



Installation

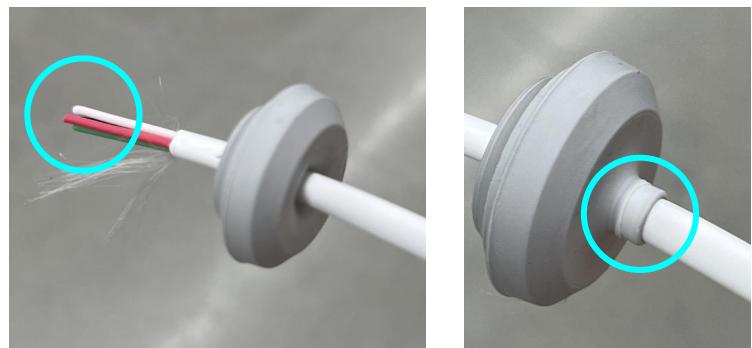
Connect

Operating Mode - Option 3

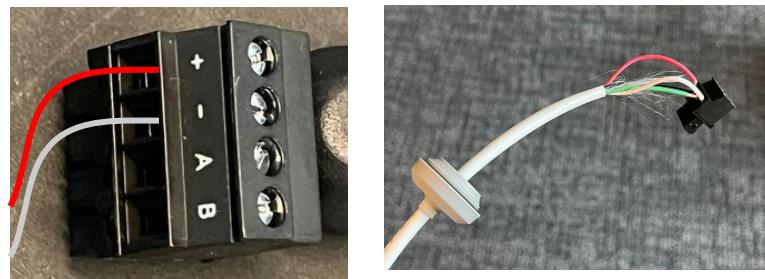
Set the slider switch to Smart mode. There is no need to toggle the LED color and buzzer volume switches. Configure LED color and buzzer volume via Command.



Poke the cable through the cable grommet before removing the wires outer jacket. **Quickly tug the cable grommet towards the open end to expose the strain relief tail of the grommet.**



Remove the terminal block from the siren-strobe panel and wire your DC connections into the +/- positions of the terminal block.



Thread the terminal block through the battery door hole and plug back into BZ32.

Push the grommet into the battery door. Check to see the strain relief tail is still exposed and properly sealing around the cable.



Installation

Connect

Operating Mode - Option 4

Set the slider switch to Smart mode. There is no need to toggle the LED color and buzzer volume switches. Configure LED color and buzzer volume via Command.



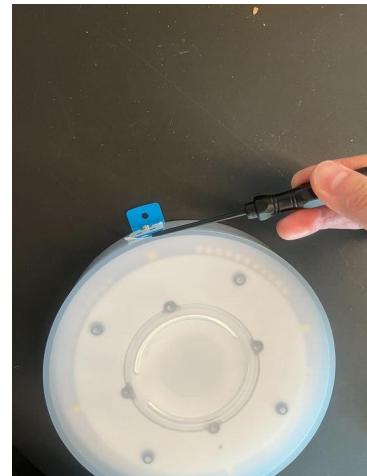
Installation

Device Mounting

Close and tighten x3 screws



Align the label on BZ32 with the label on the mount plate.



Rotate BZ32 clockwise to engage the locking tabs. Use the provided T10 Security Torx screwdriver to tighten the security screw located at the top side of the device.



Installation

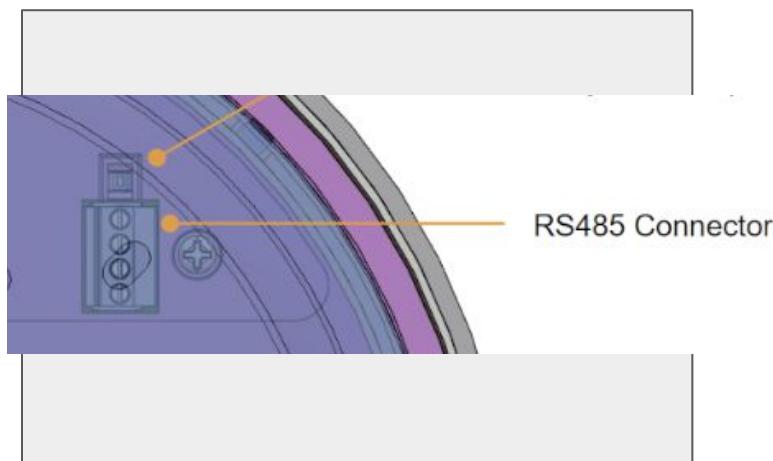
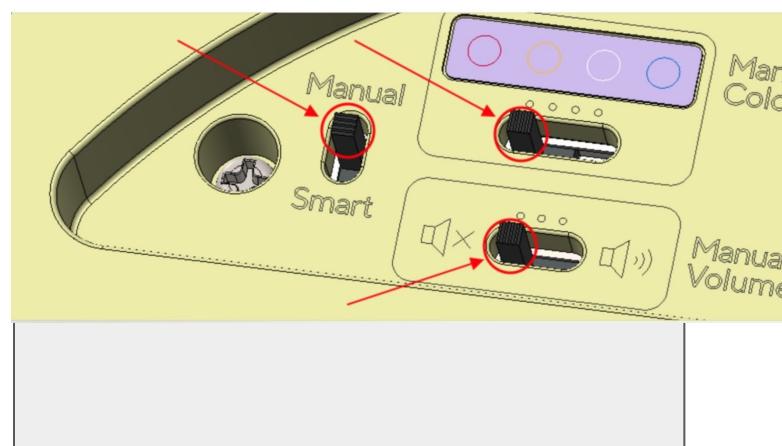
Connect - Smart or Manual Control

BZ32 supports both wired and wireless communication installation options.

For **smart** mode, ensure the 2-position slider switch is set to the "smart" position.

If using RS485 communication, connect the RS485 A and B wires into the terminal block (alongside + and - for DC power).

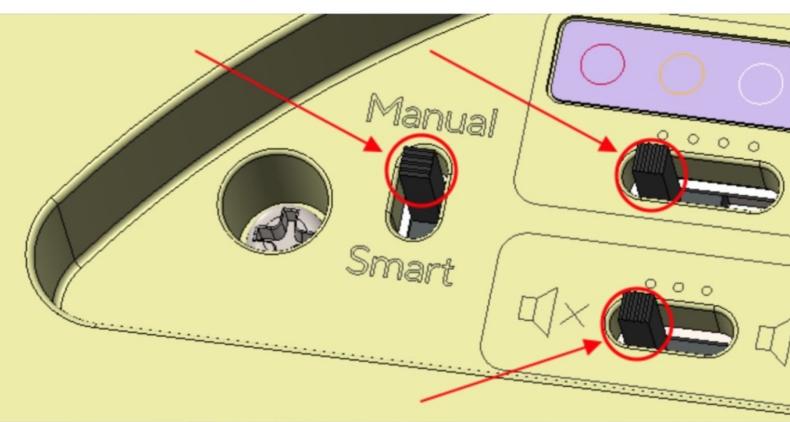
If using wireless communication, complete pairing and setup through Command.



For **manual** mode, ensure the 2-position slider switch is set to the "manual" position.

Siren settings can be adjusted using the volume slider switch. This switch has 3 options of silent, indoor, and outdoor.

Strobe settings can be adjusted using the manual color slider switch. This switch has 4 options of red, orange, white, and blue.



Installation

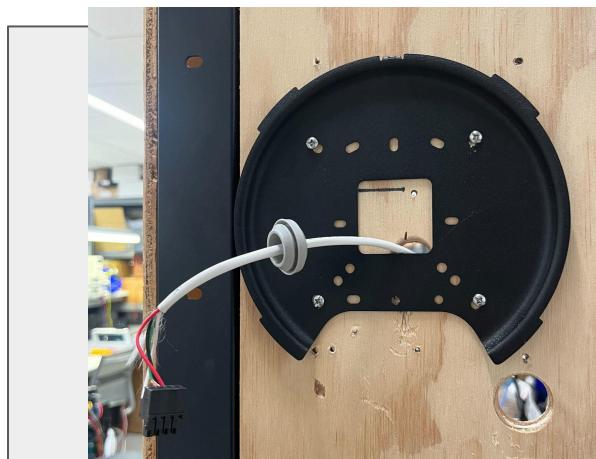
Mounting

Thread cable through the center hole of mount plate.

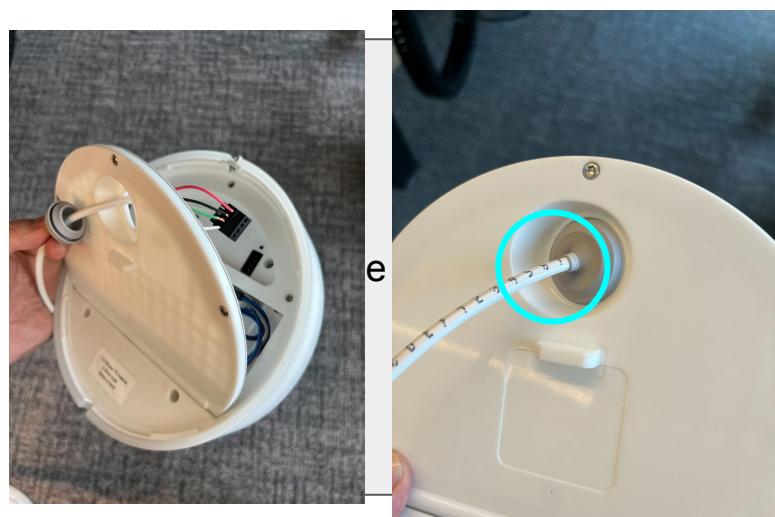
Drive the mounting screws directly into the pilot holes.

For a solid material like wood or metal, drill $\frac{1}{8}$ inch pilot holes.

For drywall, plaster or masonry, wall anchors may be required.



Thread the cable/grommet/terminal block through the battery door hole, connect the terminal block and push down the grommet



Close and tighten x3 screws



Align the security screw on the siren-strobe device to the blue tab label on the mount plate.

Rotate the siren-strobe clockwise onto the mount plate to engage the lock feature.



Appendix

BZ32 Compliance

FCC Statement

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

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

RF Exposure Warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

IC Statement

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference;
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Radio Frequency (RF) Exposure Information

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.

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

Le présent appareil est conforme aux CNR d' ISED applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) le dispositif ne doit pas produire de brouillage préjudiciable, et
- (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Avertissement relatif à l'exposition aux RF

Cet équipement doit être installé et utilisé conformément aux instructions fournies et les antennes utilisées pour cet émetteur doivent être installées de manière à assurer une distance de séparation d'au moins 20 cm par rapport à toutes les personnes et ne doivent pas être situées à proximité ou fonctionner en conjonction avec une autre antenne ou un autre émetteur. Les utilisateurs finaux et les installateurs doivent recevoir des instructions d'installation de l'antenne et des conditions de fonctionnement de l'émetteur pour satisfaire à la conformité en matière d'exposition aux RF.

CE RED Compliance

This device operates in the 865.5 ~ 867.5 MHz band at a maximum power of **XXdBm**

Appendix

Support

Thank you for purchasing this Verkada product. If for any reason you're experiencing issues or need assistance, please contact our 24/7 Technical Support Team immediately.

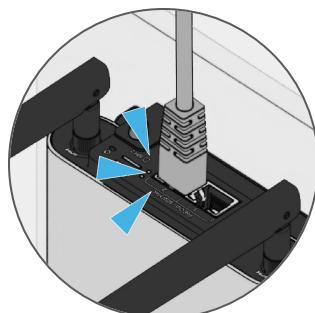
Sincerely,
The Verkada Team
verkada.com/support

[DELETE BEFORE PUBLICATION] Document Assets

Signal	AWG	Conductor	Shielded	Max Length
Power (22 Gauge)	22	Yes	Yes	600 ft
Power (18 Gauge)	18	Yes	Yes	1500 ft

[EDIT] Warning

Text that customer needs to see



M4 x 25mm PH2 wall screws
(4 pcs)

N - Neutral
Typically a white wire

PE - Ground
Typically a green/yellow wire

L - Line / Hot
Typically a black wire

