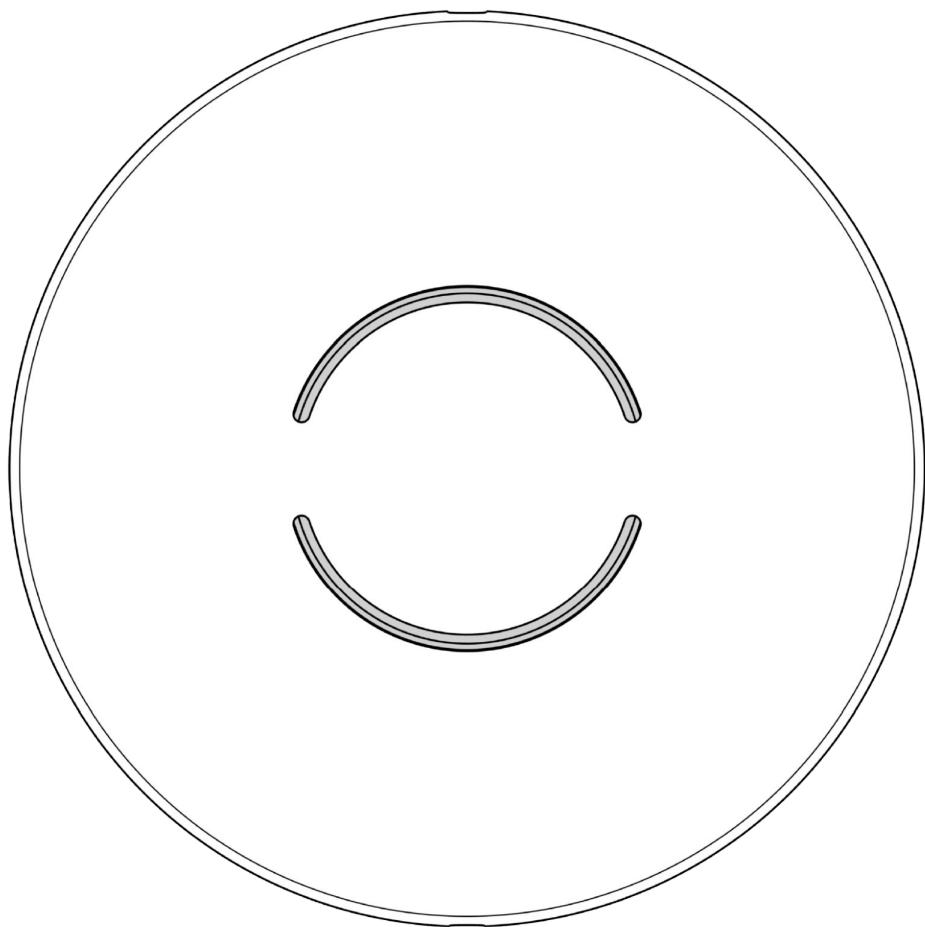


Install Guide

BZ32 Siren Strobe



Document Details

Version

V1.0 20250421

(V1.0 published 20250421)

Firmware

Firmware version can be verified on Verkada

Command command.verkada.com.

Product Models

This install guide pertains to models BZ32-HW.

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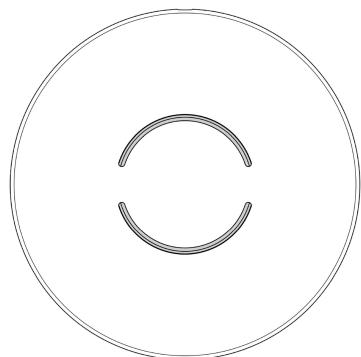
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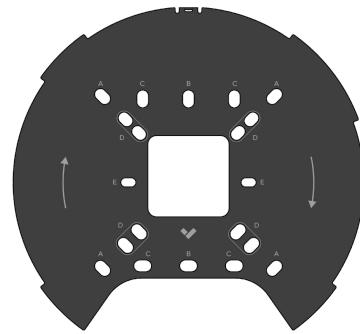
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Introduction

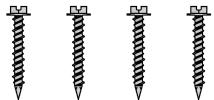
What's in the box



Siren Strobe

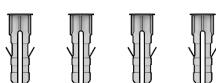


Mount Plate



M5 Masonry Screws (4 pcs)

Length: 32mm Drive: Slotted
6.35mm Hex



Wall Anchors (4 pcs)

Length: 25mm Drive: NO



**T10 Security Torx
Screwdriver**



M4 Wall Screws (4 pcs)

Length: 25mm Drive: #2 Phillips



Grommet

Included inside device



L91 AA Batteries (6 pcs)

Included inside device

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)
- Slotted 6.35mm Hex (for masonry screws)
- Six L91 AA Batteries (included)

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.

Introduction

Overview

Status LED Behavior

Solid Orange

Strobe is on and booting up.

Flashing Orange

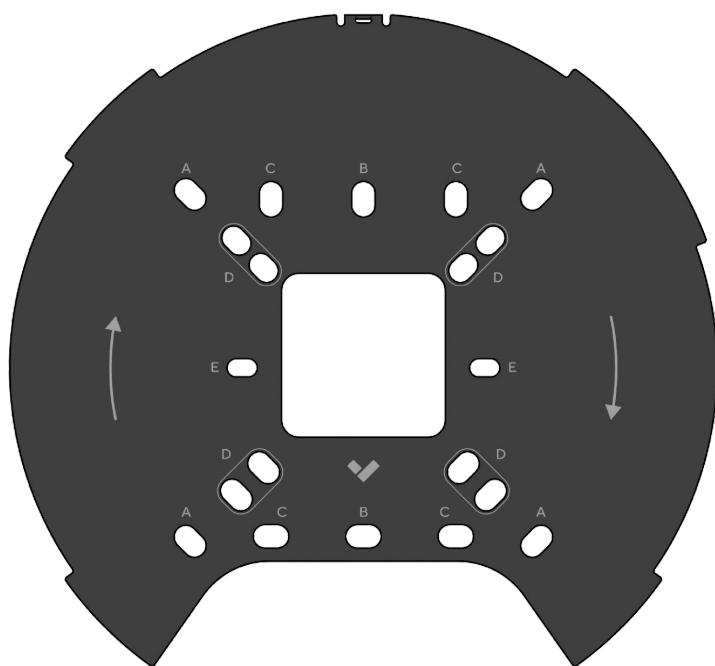
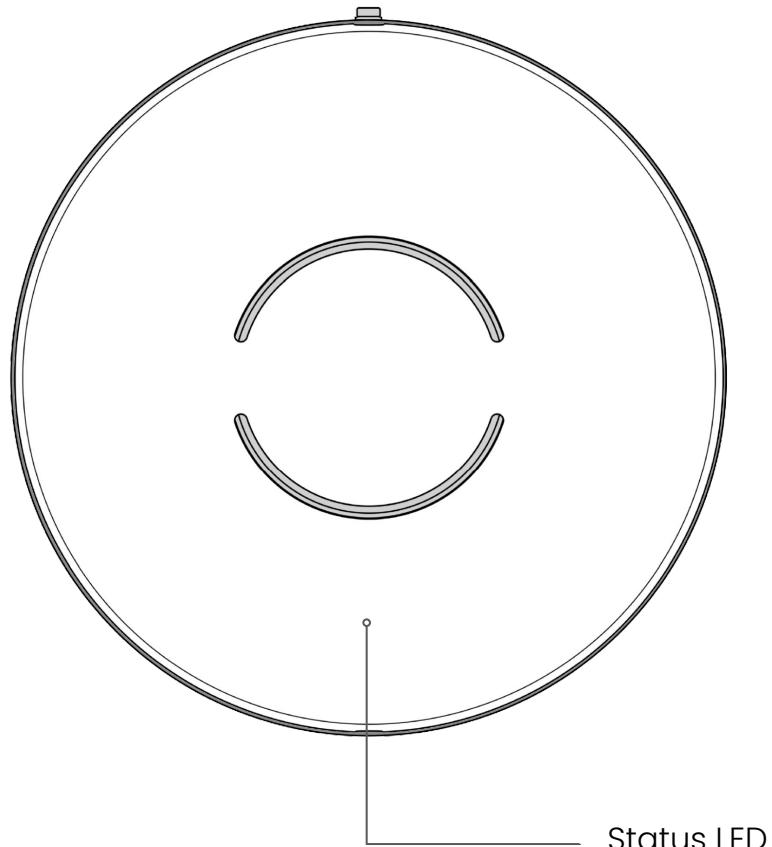
Strobe is updating firmware.

Solid Blue

Strobe is running and online.

Flashing Blue

Strobe is running and offline.



Mounting Patterns

For standard wall mount scenarios (i.e. not on any junction box) use the mounting **pattern A**.

A 4" Square Junction/Standard Wall Mounting

B Single Gang Junction Box

C Double Gang Junction Box

D Circular Junction Box

E European Junction Box

Introduction

Technical Specifications

Power Consumption	12W Max Refer to table on page 7 for details
Battery	6x non-rechargeable Energizer Ultimate Lithium L91 AA batteries (included). 2.5-year typical battery life with 1.5hr active time for siren + strobe.
DC Input	Optional 10-36VDC input via terminal block DC 10-36V VDC input; 2.1A – 0.58A
Connectivity	1x input terminal block for RS485 control or Relay on/off control. VLink transceiver with internal antenna (863MHz – 928MHz).
RF Range	≥ 600m open field line of sight range 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 (D) x 48.6mm (H) / 7.7in (D) x 1.9in (H)
Weight	0.97kg / 2.14lbs
Operating Temp. & Humidity	-25°C to +60°C 0-95% RH non-condensing

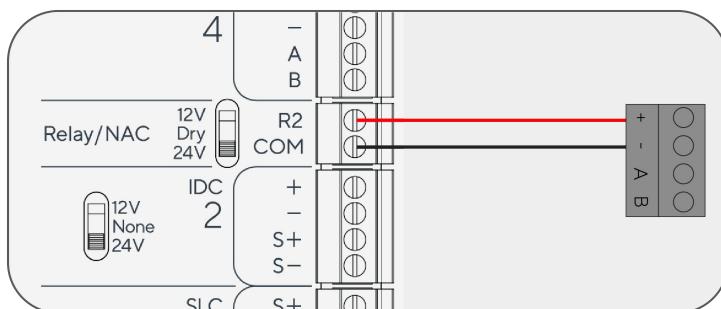
Introduction

Operating Modes

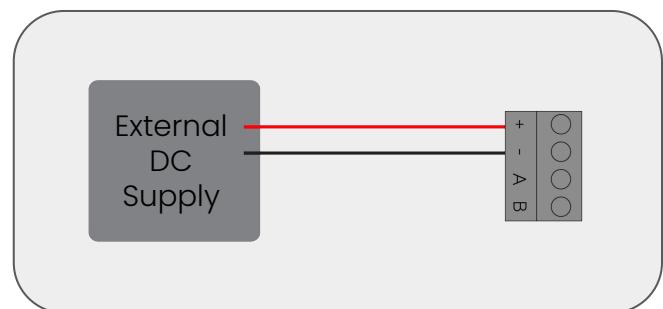
Refer to the chart below for possible operation modes.

	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 (Relay-controlled on panel)	Wired DC	Wired DC	Battery
RS485 Connection	–	✓	–	–
Wireless VLink Communication	–	–	✓	✓
Tamper Detection	–	✓	✓	✓
Power Draw	12W max	12W max	12W max	–

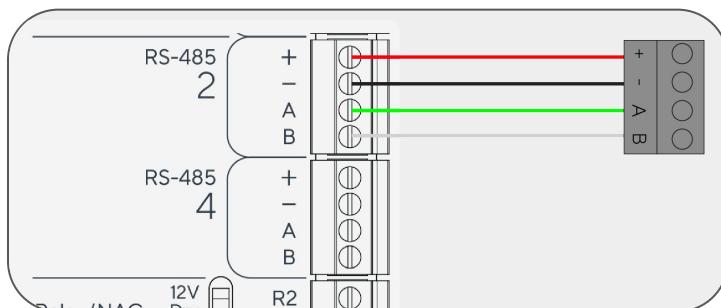
Option #1



Option #3



Option #2



Option #4



Batteries

Introduction

Power Consumption

Refer to the chart below for power consumption of different strobe + siren configurations.

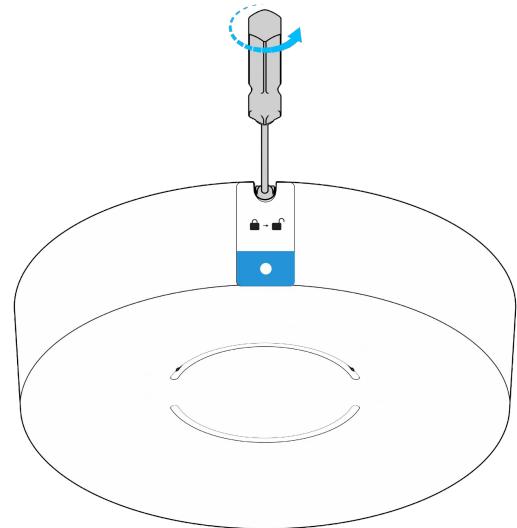
	Strobe + Siren Volume 0%	Strobe + Siren Volume 1%	Strobe + Siren Volume 50%	Strobe + Siren Volume 100%
Red	5W	5W	5W	6W
Amber	5W	5W	6W	7W
Blue	8W	8W	9W	10W
White	10W	10W	11W	12W
Green	10W	10W	11W	12W

Installation

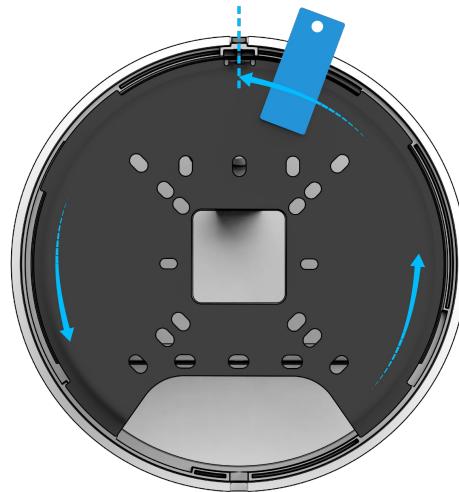
Preparation

Note: Keep the alignment stickers on until installation is complete.

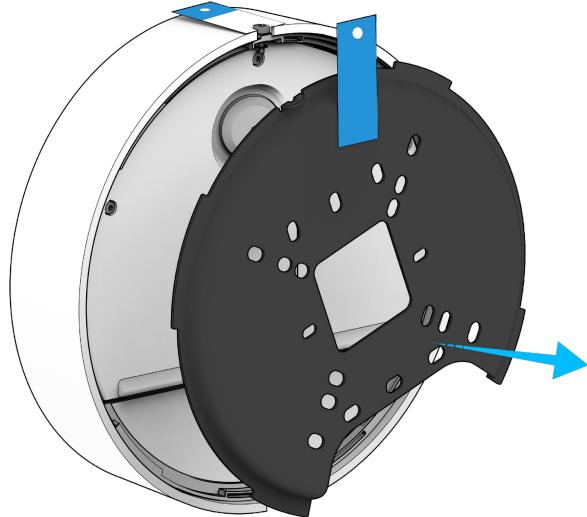
Locate the alignment sticker and use the provided T10 security torx screwdriver to loosen the captive screw until it springs up.



Rotate the mount plate counter-clockwise.



Disengage the mount plate from the device.

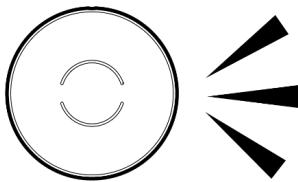


Installation

Preparation

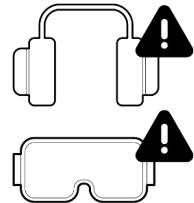
⚠ Caution

Loud noise & bright flashing light when product is triggered & unmuted. Hearing protection is recommended during setup/testing. Device must be mounted such that the product is viewed from a distance >1m during operation.



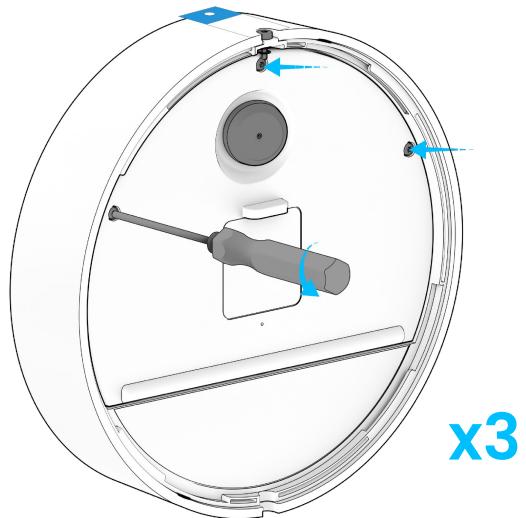
1 m

105dB



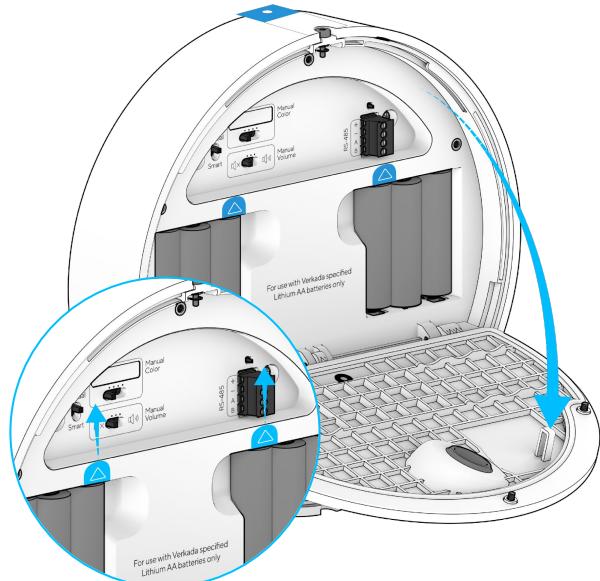
The Siren Strobe can be powered by DC or L91 AA Batteries.

Use the provided T10 Security Torx Screwdriver to loosen the three screws on the back of the device.



Open the battery door to access the batteries, terminal block, volume and color slider switches.

Remove the battery tabs, regardless of power configuration.



Installation

Mounting

Use the mount plate as a template to mark the intended holes. For standard wall mount scenarios (i.e. not on any junction box) use the mounting **pattern A**. For other mounting patterns, refer to the **Mounting Patterns** section of this document.

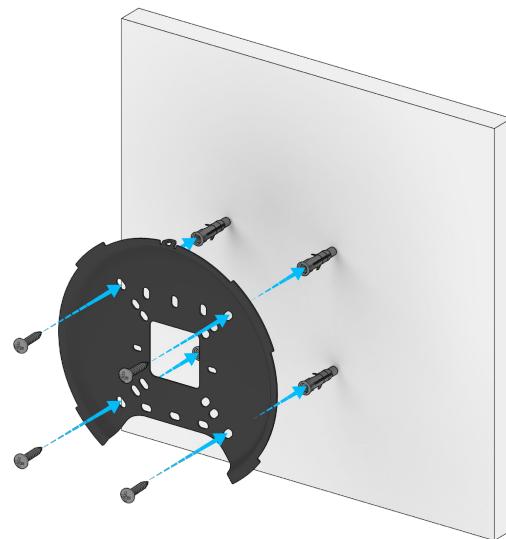
Drill 5/64 inch (2mm) pilot holes.

If using wall anchors, drill 7/32" (5.5mm) pilot holes.

For a junction box mount, refer to the "hole pattern" page to use the appropriate hole pattern for mounting.

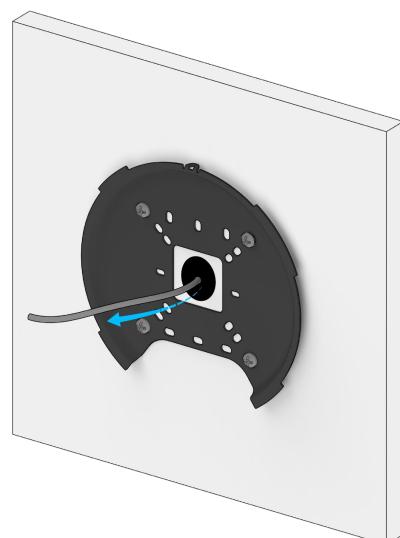
For a solid material like wood, drill 1/8 inch pilot holes. Drive mounting screws directly into the pilot holes.

For drywall, drill 1/4 inch holes. Insert plastic anchors into holes and drive mounting screws into anchors.



If utilizing the device in a wired operating mode, you can either make a hole in the center square of the mount plate and thread the cable through, or lay the cable along the wall.

Further instructions on wiring can be found in the **Connect** section of this document.

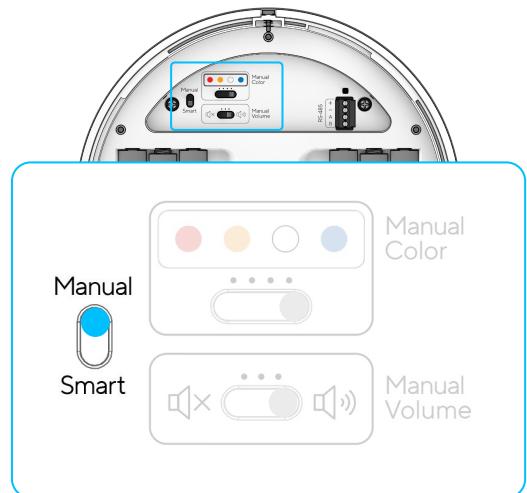


Installation

Operating Mode: Option 1 (Manual Wired Operation)

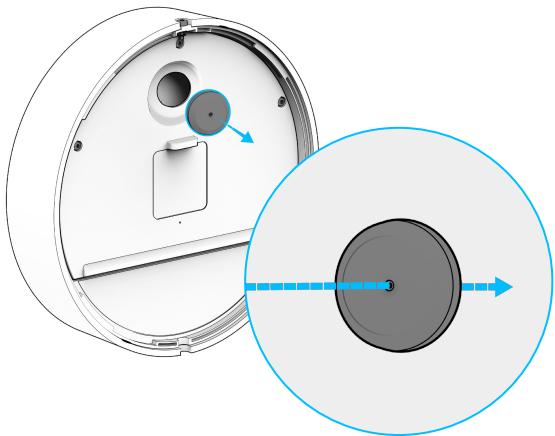
Set the slider switch to Manual mode.

Configure your preference of strobe color and siren volume, using the slider switches.



Retrieve the cable grommet from the back of the siren strobe.

Puncture the membrane.

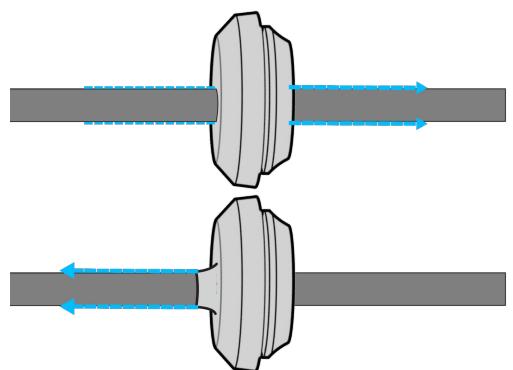


Guide the cable through the cable grommet, membrane side – to open side.

When cable is in a good position, **firmly pull the cable the opposite way to create a strain relief tail on the grommet.**

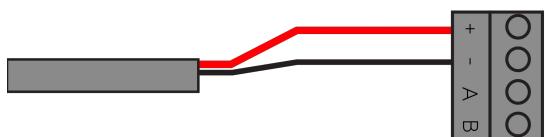


Please note: The tail of the grommet should be facing away from the device after installation for proper sealing.



Remove the cable outer jacket to expose wires.

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



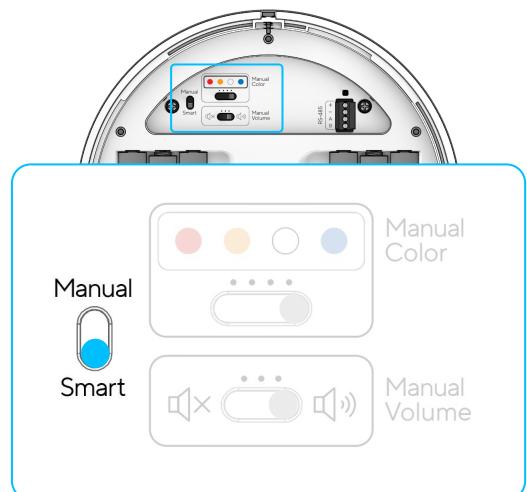
Installation

Operating Mode: Option 2 (Smart Wired Operation)

Set the slider switch to Smart mode.

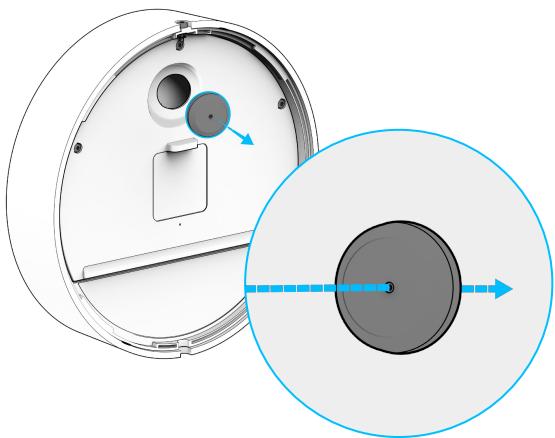
Configure your preference of strobe color and siren volume, using the slider switches.

Note: Firmware updates may take up to 30 minutes, after connecting to Command for the first time.



Retrieve the cable grommet from the back of the siren strobe.

Puncture the membrane.

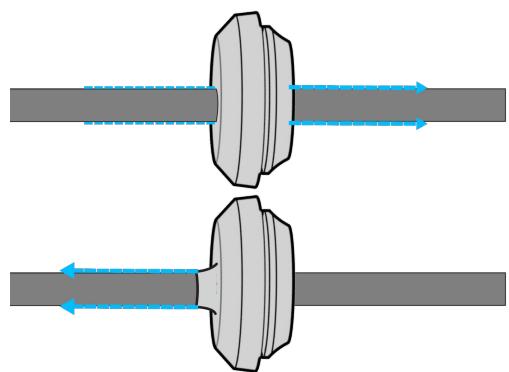


Guide the cable through the cable grommet, membrane side – to open side.

When cable is in a good position, **firmly pull the cable the opposite way to create a strain relief tail on the grommet.**

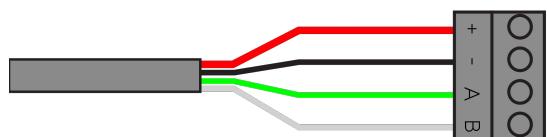


Please note: The tail of the grommet should be facing away from the device after installation for proper sealing.



Remove the cable outer jacket to expose wires.

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



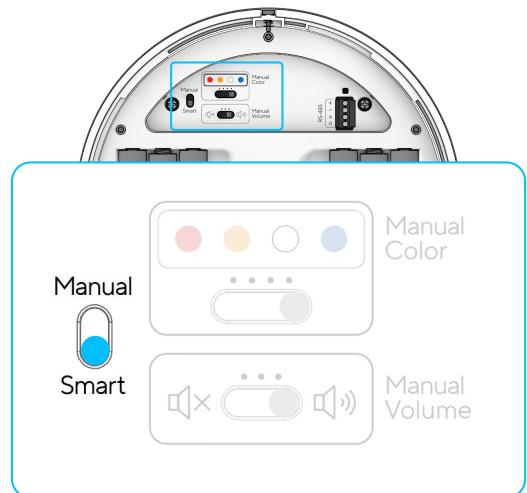
Installation

Operating Mode: Option 3 (Smart VLink with DC Power Operation)

Set the slider switch to Smart mode.

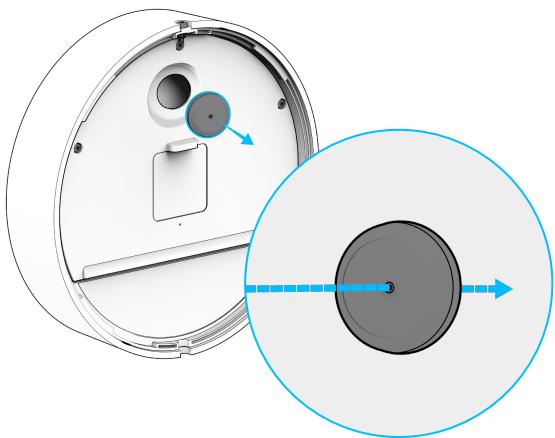
Go to Command to configure strobe LED color and siren volume.

Note: Firmware updates may take up to 30 minutes, after connecting to Command for the first time.



Retrieve the cable grommet from the back of the siren strobe.

Puncture the membrane.

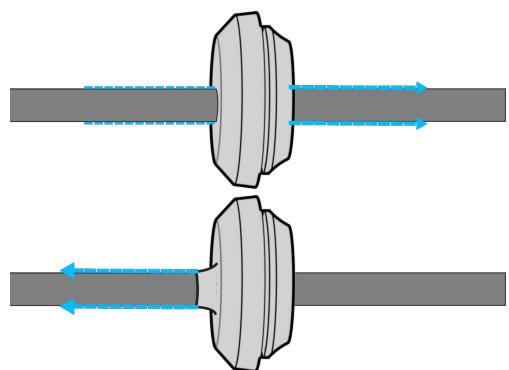


Guide the cable through the cable grommet, membrane side – to open side.

When cable is in a good position, **firmly pull the cable the opposite way to create a strain relief tail on the grommet.**

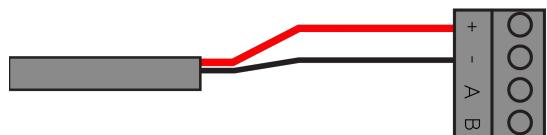


Please note: The tail of the grommet should be facing away from the device after installation for proper sealing.



Remove the cable outer jacket to expose wires.

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



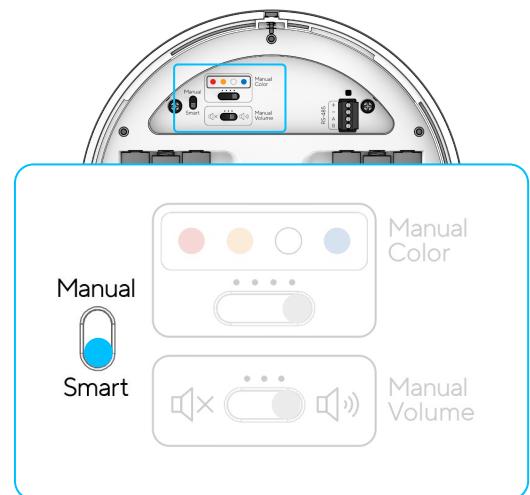
Installation

Operating Mode: Option 4 (Smart VLink with Battery Operation)

Set the slider switch to Smart mode.

Go to Command to configure strobe LED color and siren volume.

Note: Firmware updates may take up to 30 minutes, after connecting to Command for the first time.



Installation

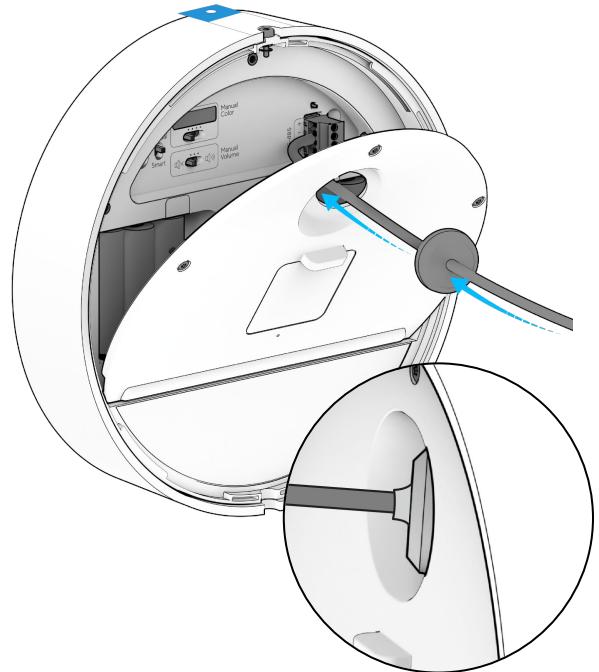
Siren Strobe Mounting (1/2)

Pull the terminal block through the back panel.

Connect the terminal block to the RS-485 port.

Press the grommet into the battery door hole.

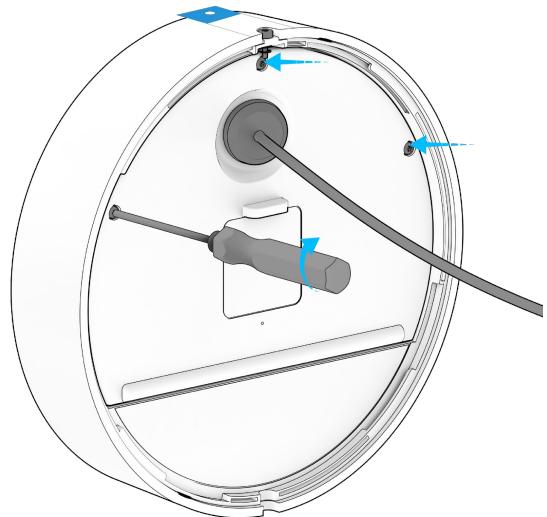
Make sure that the strain relief tail is still exposed and properly sealing around the cable.



Please note: The tail of the grommet should be facing away from the device after installation for proper sealing.

Close the battery door.

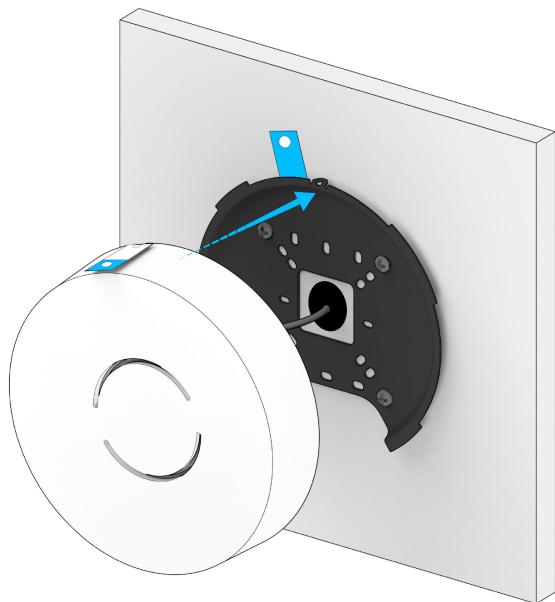
Tighten the three T10 Security Torx screws.



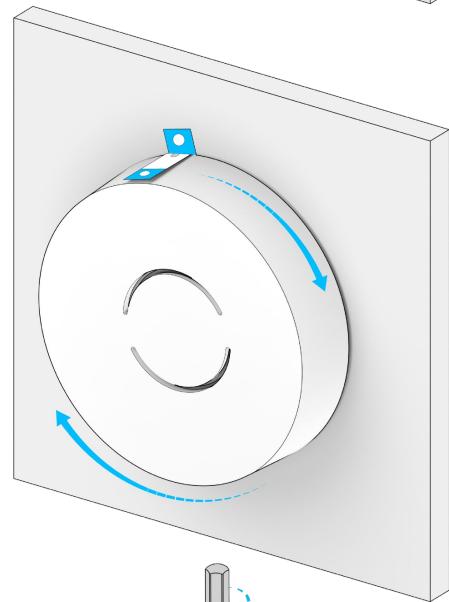
Installation

Siren Strobe Mounting (2/2)

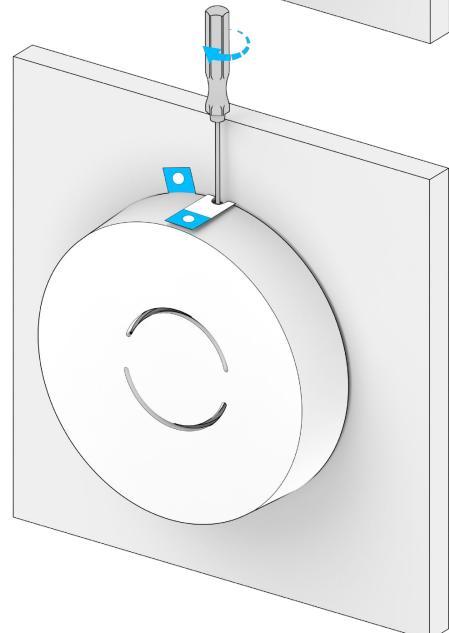
Align the blue sticker on the siren strobe to the one on the mount plate.



Press the siren strobe onto the mount plate and rotate it clockwise to engage the locking tabs.



Use the provided T10 Security Torx screwdriver to tighten the security screw.



Remove the alignment stickers.

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 13.77dBm

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