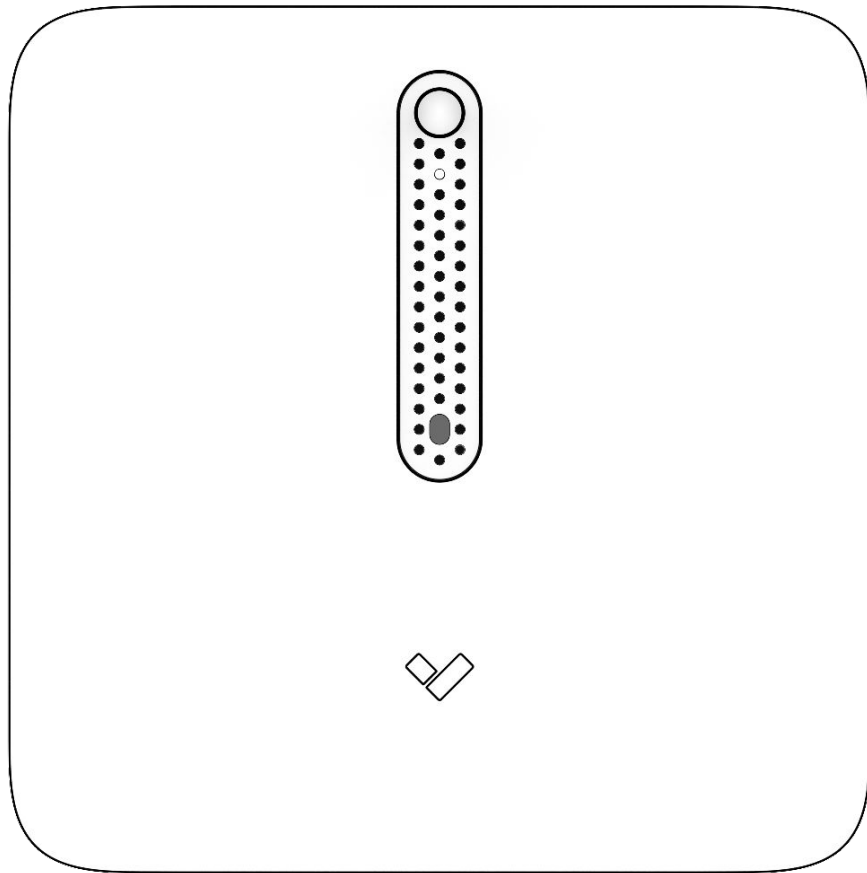


SV21 SV23 SV25 Environmental Sensor



Document

Document Details

v1.0 (20221101)

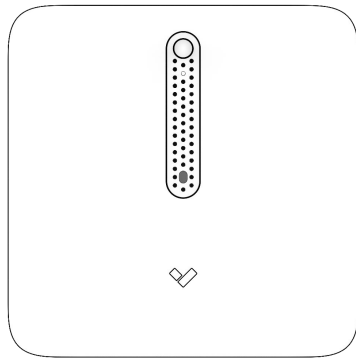
(v1.0 first published 20221101)

Firmware

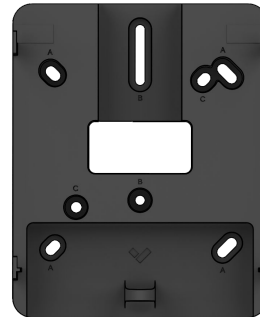
Firmware version can be verified on
Verkada Command command.verkada.com.



What's in the box



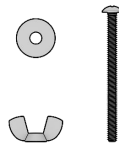
Environmental Sensor



Mount Plate
(Attached to sensor)



T10 Security Torx Screwdriver



3 M4 x 50mm Machine Screws,
Wing Nuts, and Washers



4 M4 x 25mm PH2 Wall
Screws, and Wall Anchors

What you'll need

- A working internet connection
- A smartphone or laptop
- A #2 Phillips screwdriver or power drill with a #2 Phillips driver bit
- 1/4 inch (6.5mm) drill bit for wall anchors
- 1/8 inch (3mm) drill bit for pilot holes
- A shielded Cat5 or Cat6 Ethernet cable with a .2"-.25" outside diameter (5-6.5mm)

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



Overview

LED Behavior

Solid Orange

Sensor is on and booting up

Flashing Orange

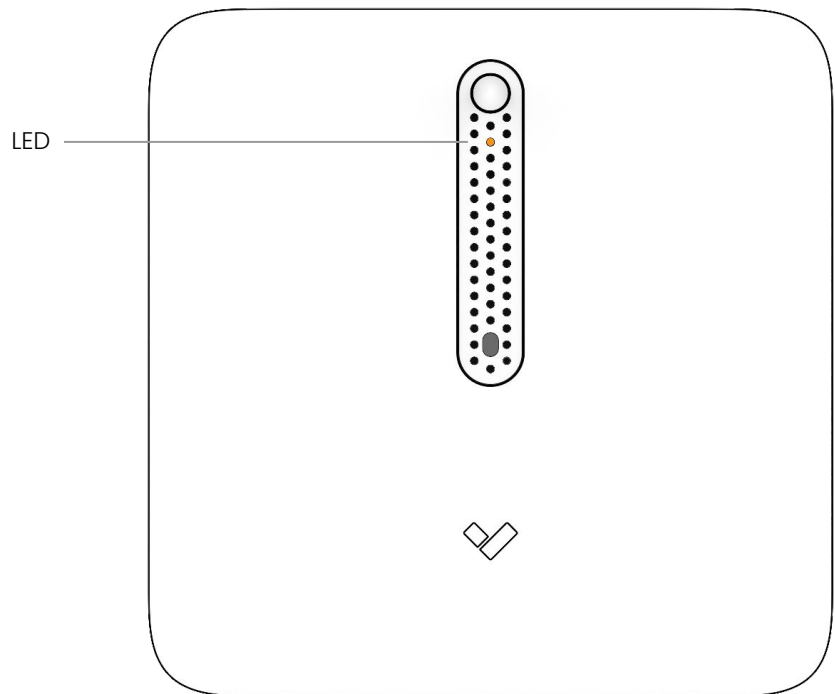
Sensor is updating firmware

Flashing White

Sensor is recording data, but cannot reach the cloud

Solid White

Sensor is running, connected, and recording data



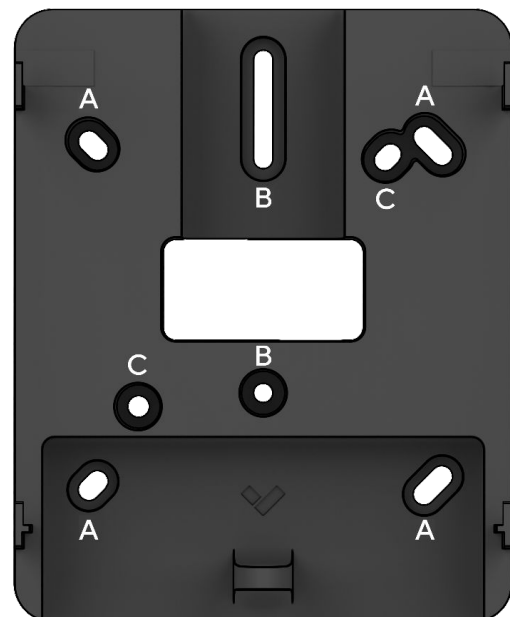
Mount plate details

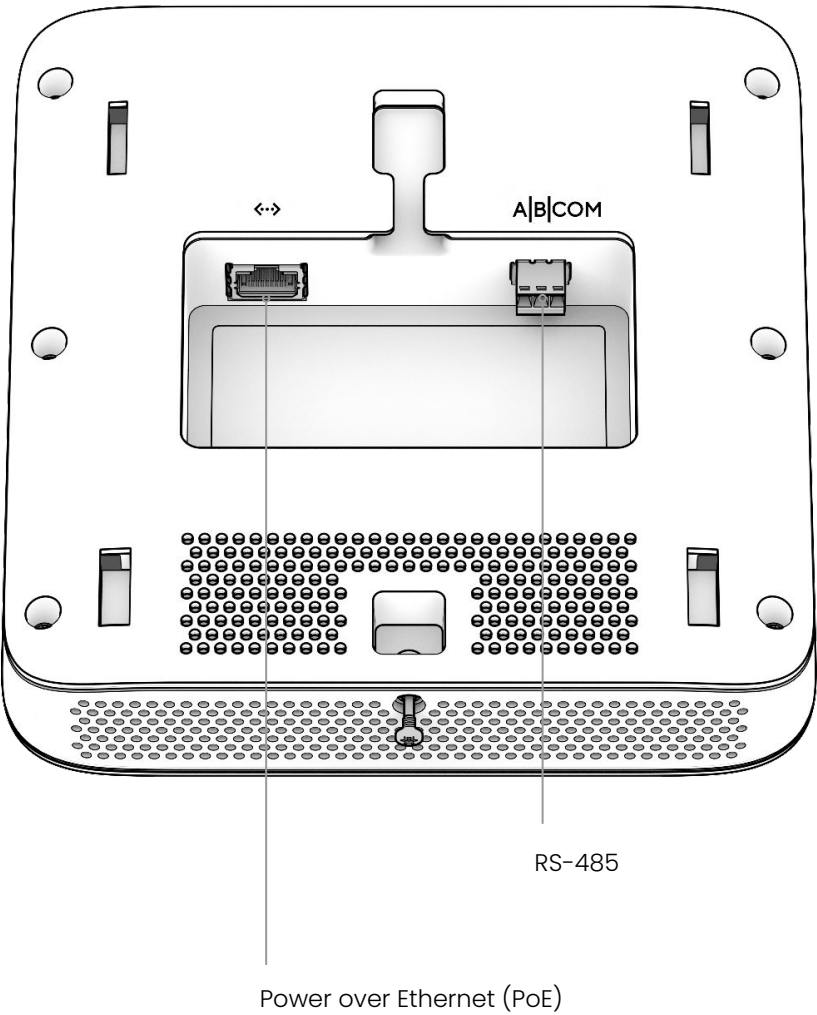
Use the mount plate as a template and mark the correct hole pattern.

A Wall mount

B Single gang junction box
European junction box
3.5" Round junction box

C 4" Round junction box





| Wiring (RS-485) | |
|-----------------|--|
| White: A | |
| Green: B | |
| Black: COM | |

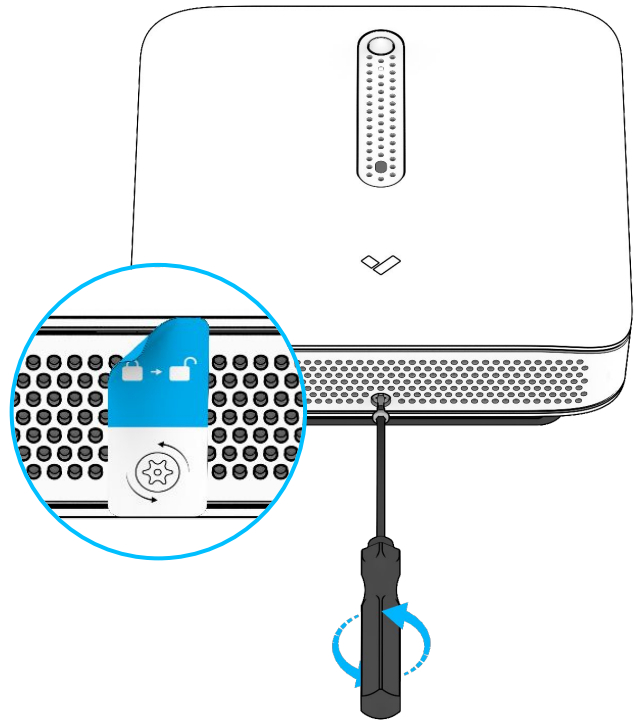


Installation

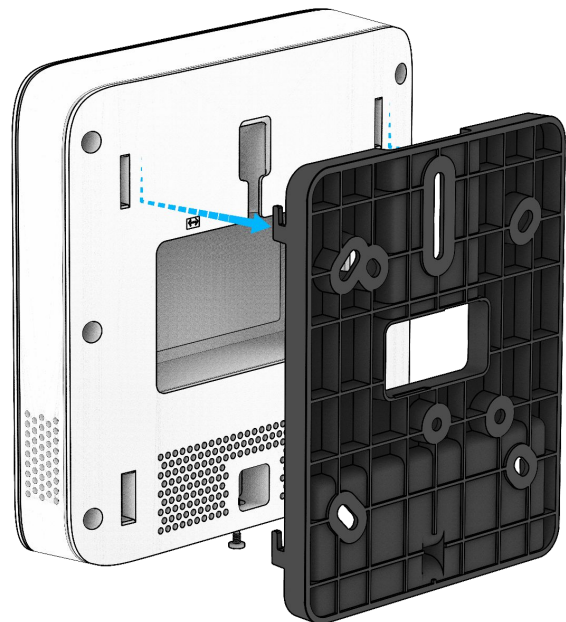
Remove mount plate

Remove sticker.

Use the provided T10 Torx security torx screwdriver to loosen the security screw.



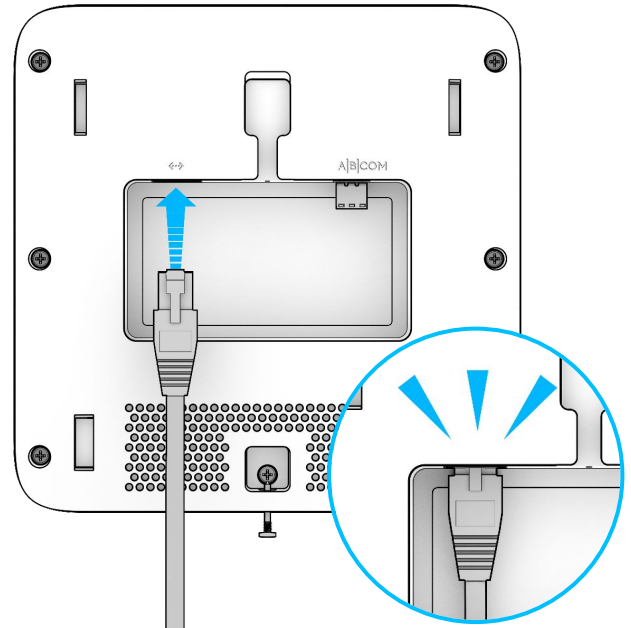
Unhook the mount plate.



Installation

Connect

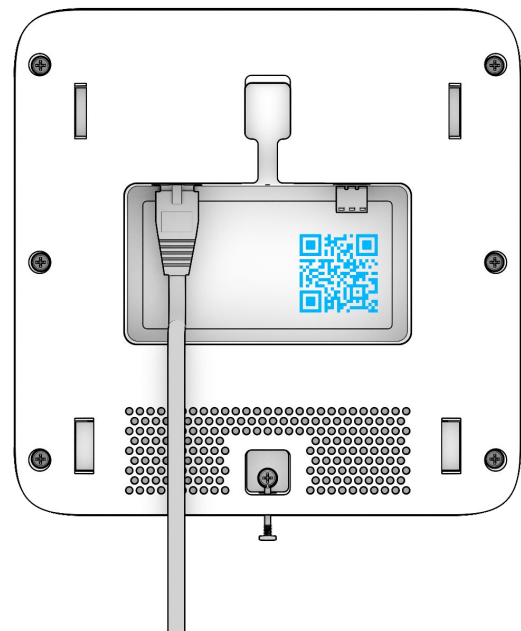
Connect the Ethernet cable to the RJ45 connector.



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

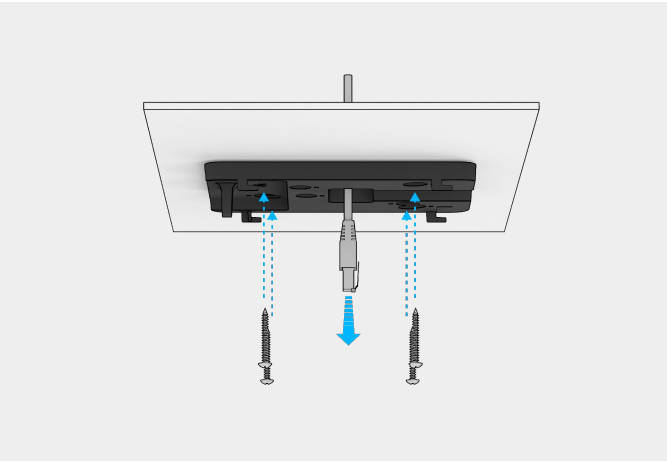


Mounting

Mounting options overview

Depending on what data you are looking to gather, there are different ideal mounting options.

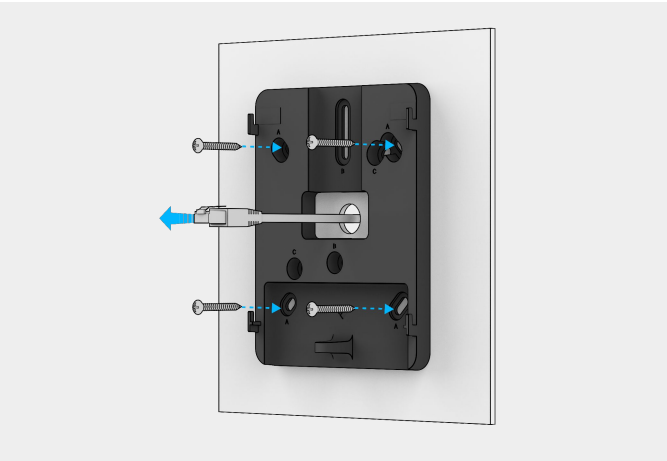
| | | |
|----------------------------|---|--|
| CO ₂ Monitoring | Wall mounting, between 3-6 ft from floor. | Keep sensor at least 5 ft away from any doors or operable windows. |
| Vape Detection | Ceiling mounting, no more than 8-9 ft from the ground. If the height is increased, detection will decrease. | If placed in a bathroom, 1 sensor per 2 stalls is recommended. |
| Other | Ceiling mounting recommended. | |



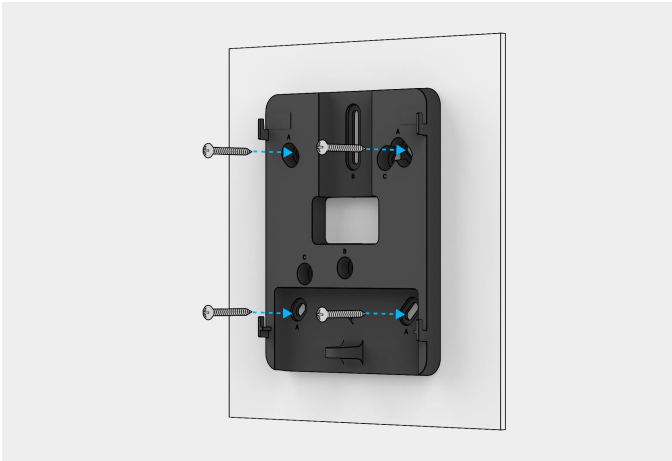
Ceiling mounting option 1:
Cable exit through surface



Ceiling mounting option 2:
Cable exit along surface



Wall mounting option 1:
Cable exit through surface



Wall mounting option 2:
Cable exit along surface



Installation

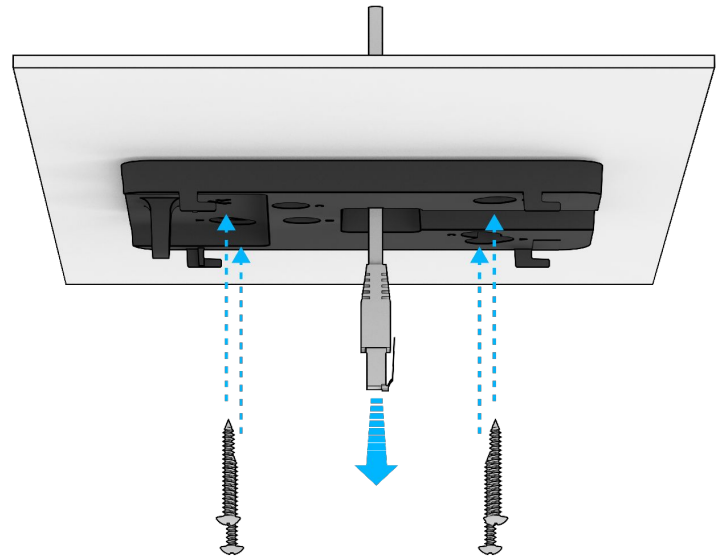
Ceiling mounting option 1: Cable exit through surface

Please note: This method routes the Ethernet cable through the mounting surface.

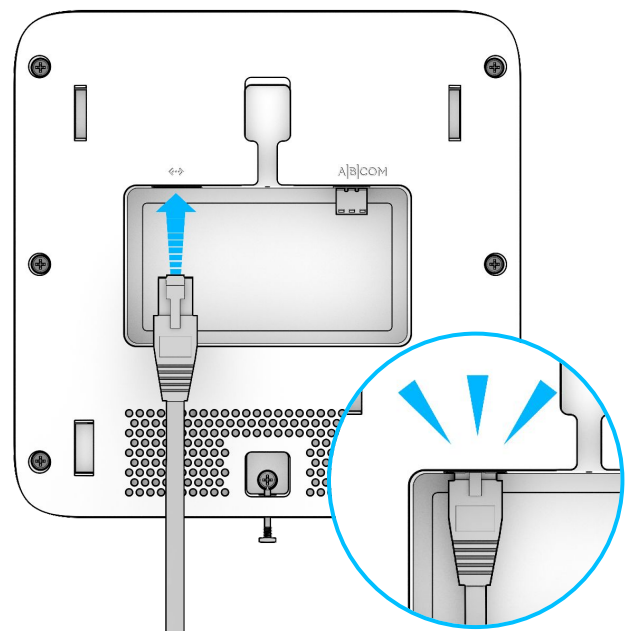
For a solid material like wood or metal, drill 1/8 inch pilot holes.

Drive the mounting screws directly into the pilot holes.

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



Plug in the the Ethernet cable.



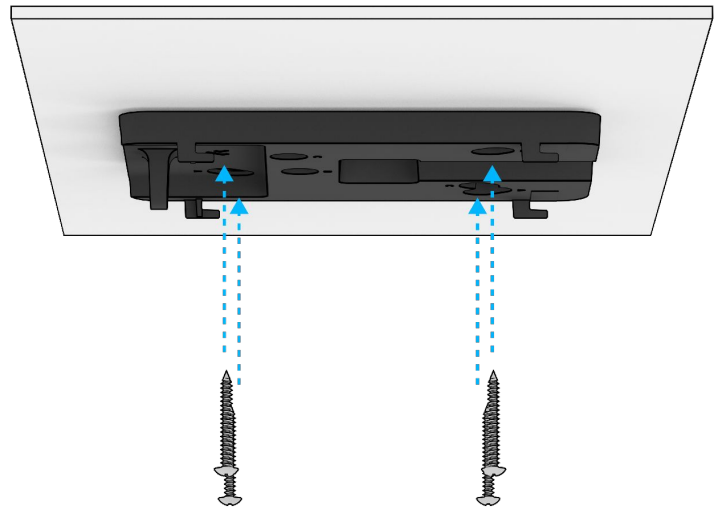
Ceiling mounting option 2: Cable exit along surface

Please note: This method routes the Ethernet cable along the mounting surface.

For a solid material like wood or metal, drill 1/8 inch pilot holes.

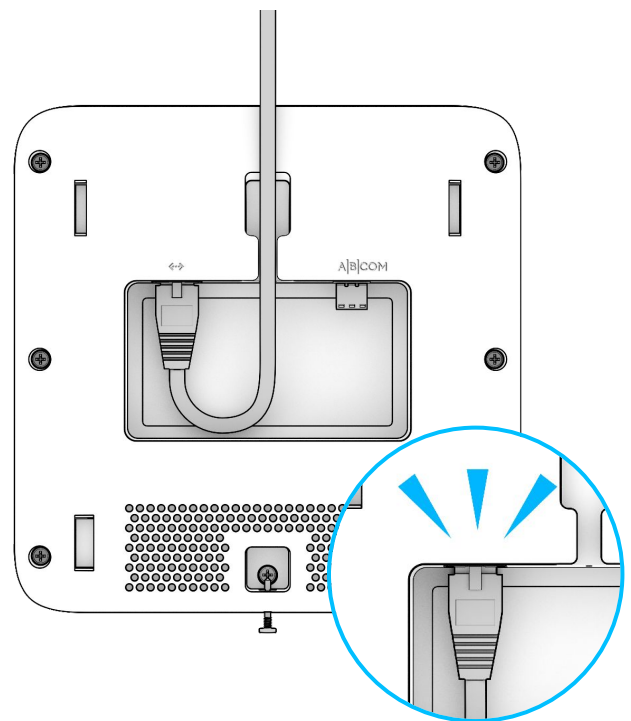
Drive the mounting screws directly into the pilot holes.

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



Plug in the the Ethernet cable.

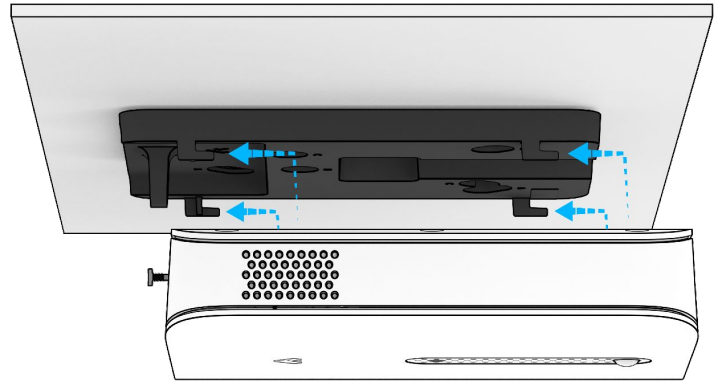
Loop the cable through the internal cord management feature.



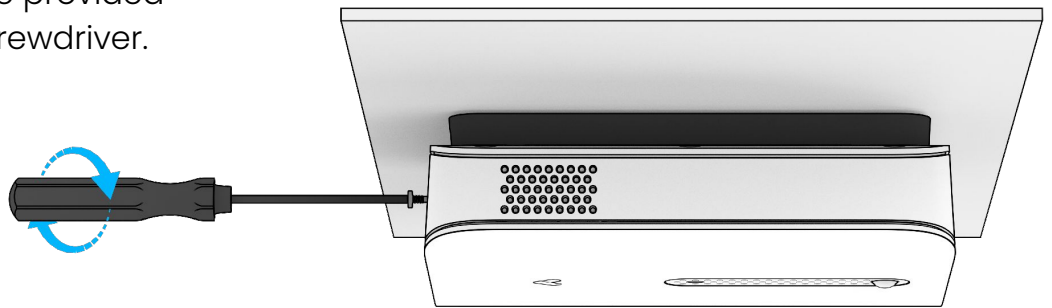
Installation

Ceiling mounting secure

Place the sensor onto the mount plate and engage the hooks to secure.



To secure the sensor, tighten the security screw using the provided T10 Torx security torx screwdriver.



Installation

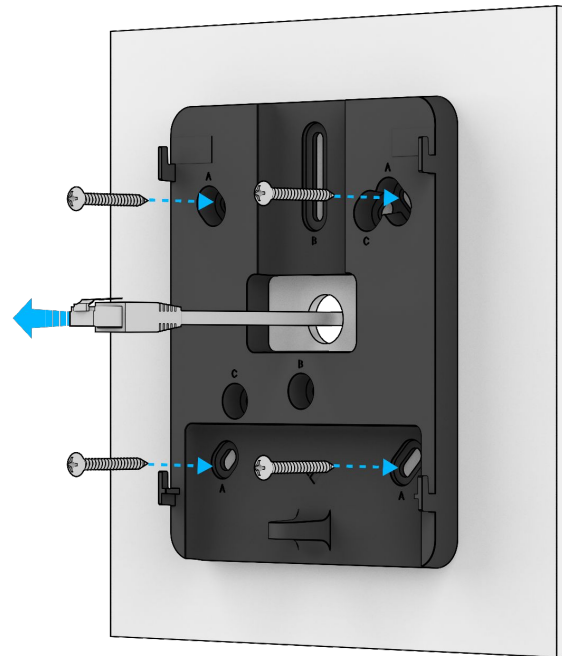
Wall mounting option 1: Cable exit through surface

Please note: This method routes the Ethernet cable through the mounting surface.

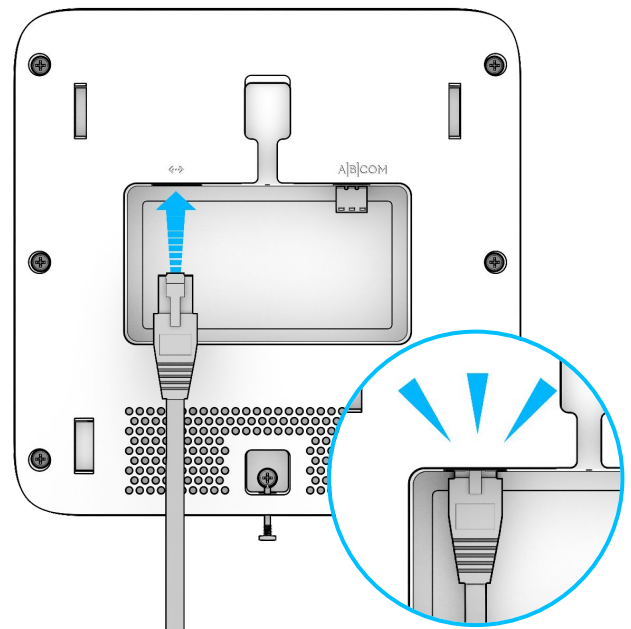
For a solid material like wood or metal, drill 1/8 inch pilot holes.

Drive the mounting screws directly into the pilot holes.

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



Plug in the the Ethernet cable.



Installation

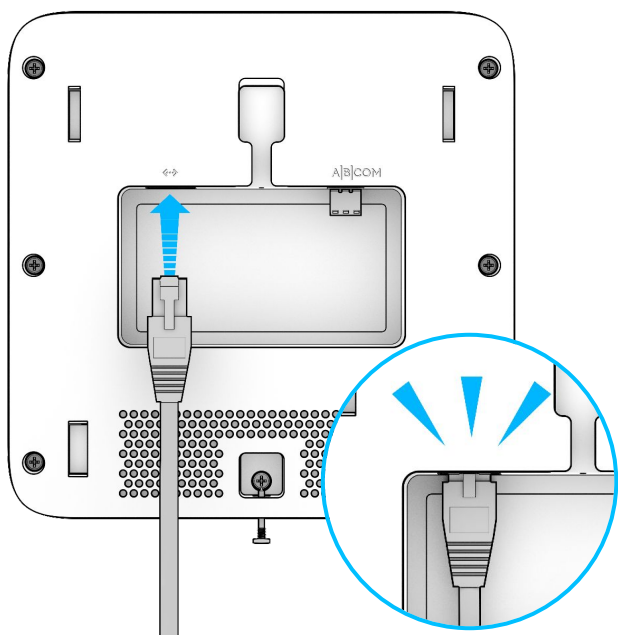
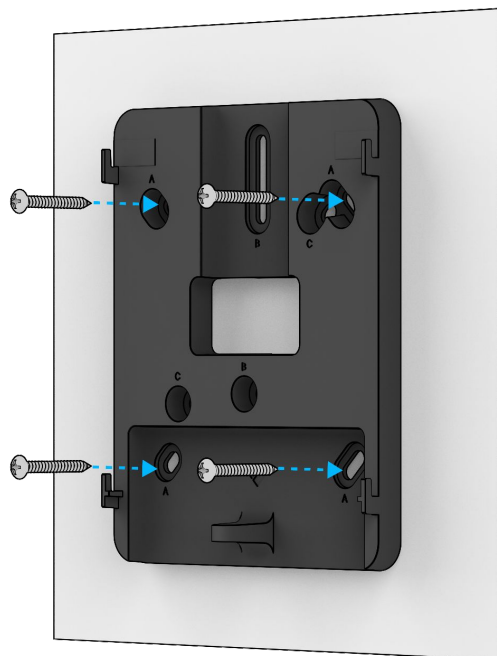
Wall mounting option 2: Cable exit along surface

Please note: This method routes the Ethernet cable along the mounting surface.

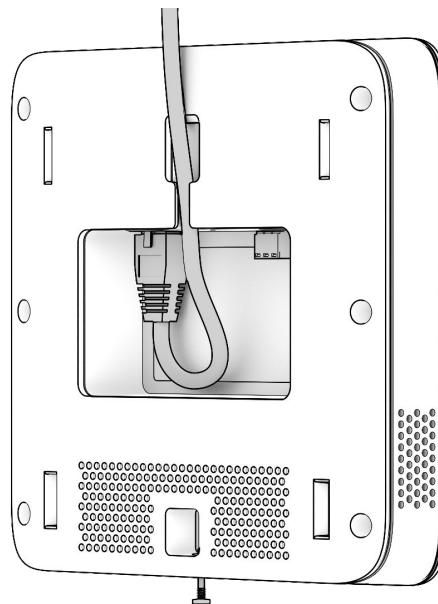
For a solid material like wood or metal, drill 1/8 inch pilot holes.

Drive the mounting screws directly into the pilot holes.

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



Plug in the the Ethernet cable.



If you are routing the cable along the wall, loop the cable through the internal cord management feature.

Installation

Wall mounting secure

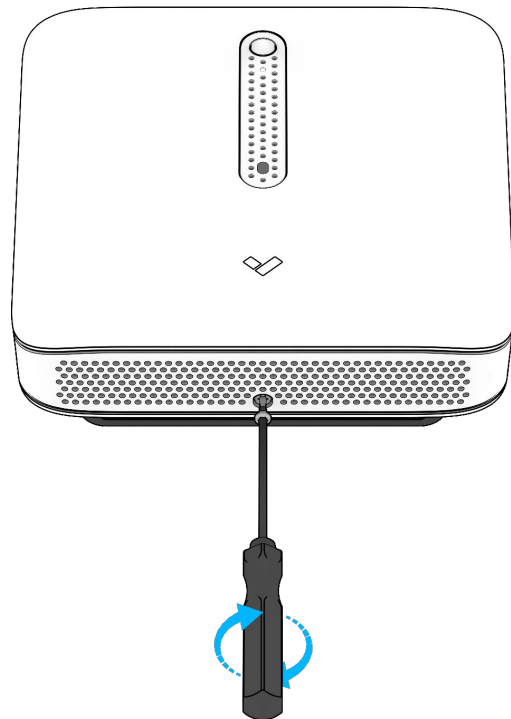
Place the sensor onto the mount plate and engage the hooks to secure.

Important

Make sure to mount the sensor with the V logo pointing down, as shown.



To secure the sensor, tighten the security screw using the provided T10 Torx security torx screwdriver.



Appendix

Compliance

| | |
|---------------------------------|--|
| <p>FCC Statement</p> | <p>FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT</p> <p>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:</p> <ul style="list-style-type: none"> -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. <p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:</p> <ol style="list-style-type: none"> (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. |
| <p>IC Statement</p> | <p>Industry Canada Equipment Standard for Digital Equipment (ICES) –Canada Compliance Statement</p> <p>This Class B digital apparatus complies with Canadian ICES-003. CAN ICES-003 (B)/NMB-003(B) Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.</p> <p>Innovation, Science and Economic Development Canada(ISED) Compliance Statement</p> <p>This device complies with ISED's 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.</p> <p>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.</p> |



Appendix

Support

Thank you for purchasing this Verkada product. If for any reason things don't work right, or you need assistance, please contact us immediately.

verkada.com/support

Sincerely, The Verkada Team

