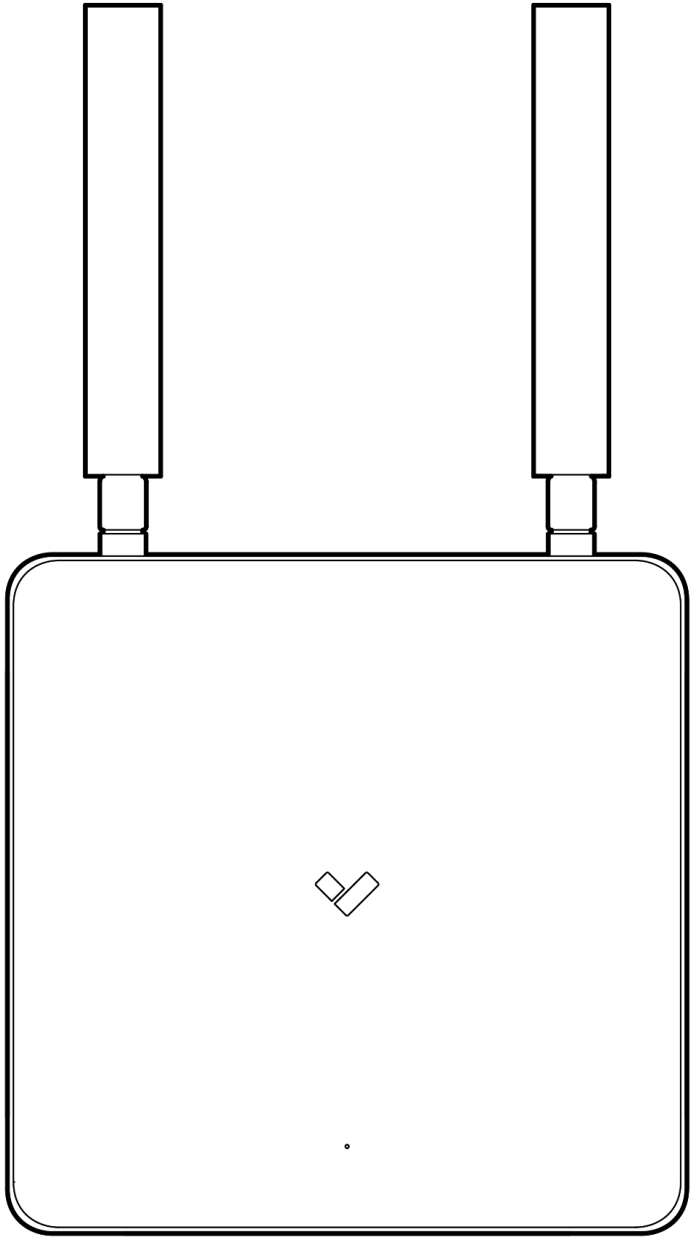


# AW33 Wireless Access Controller



## Document Details

### Version

**V1.0** 20260914

*(V1.0 published 20260916)*

### Firmware

Firmware version can be verified on Verkada Command  
[command.verkada.com](https://command.verkada.com).

### Product Models

This install guide pertains to model AW33-HW-NA.

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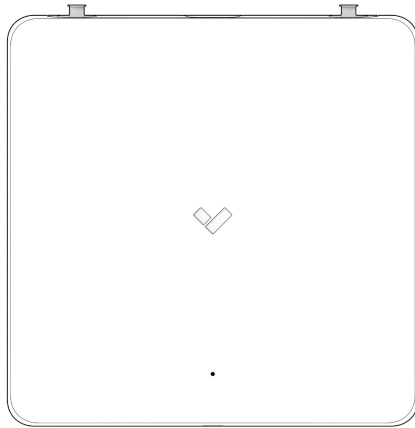
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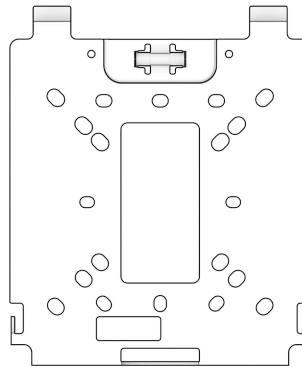
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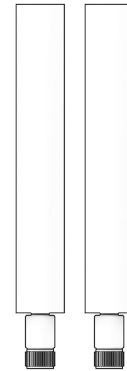
## What's in the Box



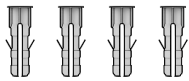
**Wireless Access Control Panel**



**Mount Plate**  
(Attached to device)



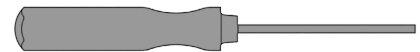
**Antennas (2 pcs)**



**Wall Anchors (4 pcs)**



**M4 Wall Screws (4 pcs)**  
Length: 25mm Drive: #2 Phillips



**T10 Security Torx Screwdriver**

## What you'll need

- A smartphone or laptop
- 1/4 inch (6.5mm) drill bit for wall anchors (if using mount plate)
- 1/8 inch (3mm) drill bit for pilot holes (if using mount plate)
- A Cat5 or Cat6 Ethernet cable with a 0.2-0.25 inch diameter (5-6.5mm)

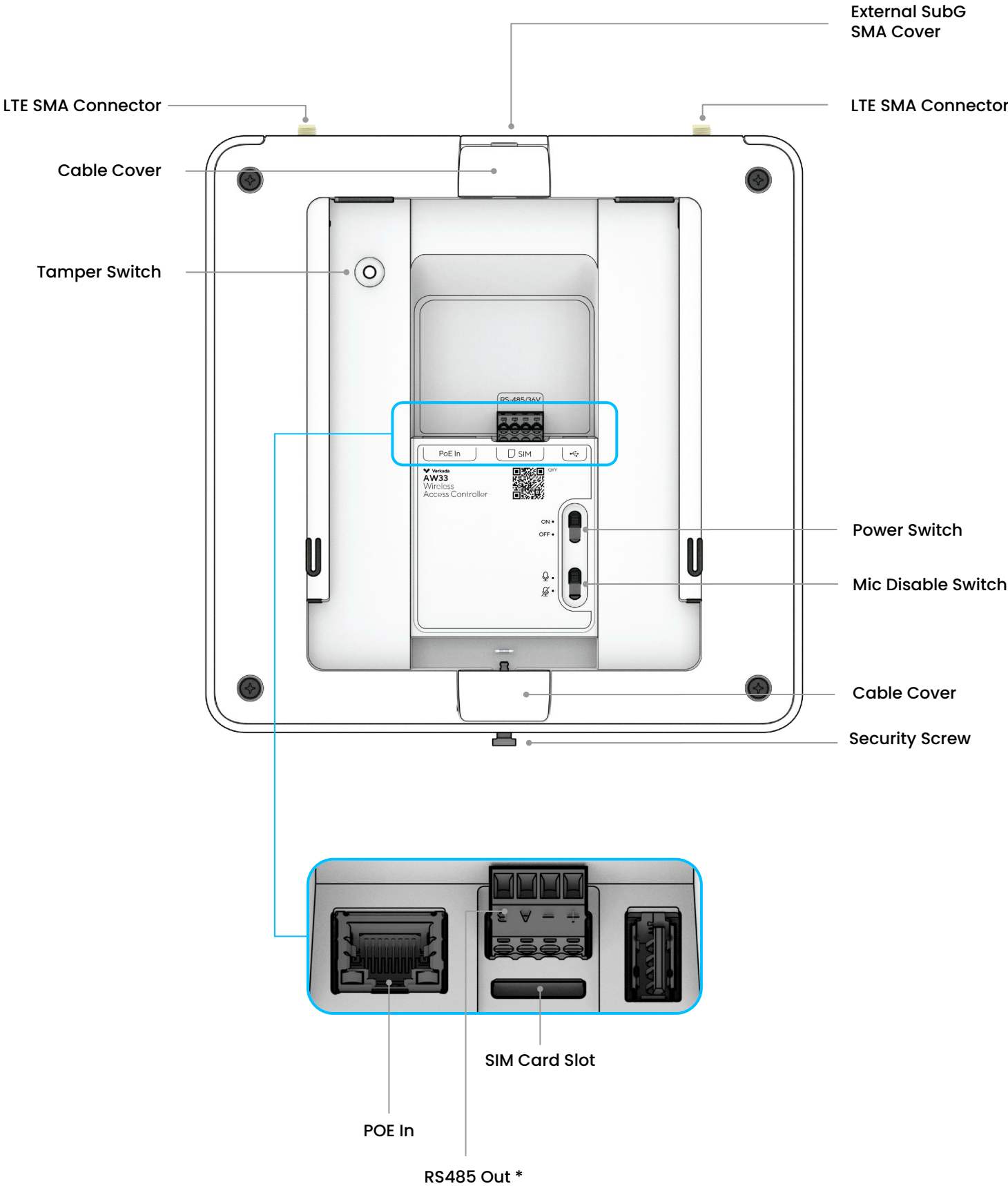
## Connect

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](https://verkada.com/start)

Introduction

**Overview**



\*Not evaluated for compliance to UL294 or ULC 60839-11-1

## Overview

### Mount plate details

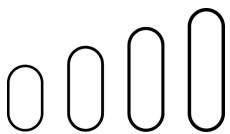
- A** Wall/Ceiling/Square Junction Box  
(4 inches / 101.6 mm)
- B** Single Gang Junction Box
- C** Round Junction Box  
(4 inches / 101.6 mm) and ( 3½ inches / 88.9 mm)
- D** Double Gang Junction Box
- E** European Junction Box

### Status LED Behaviors

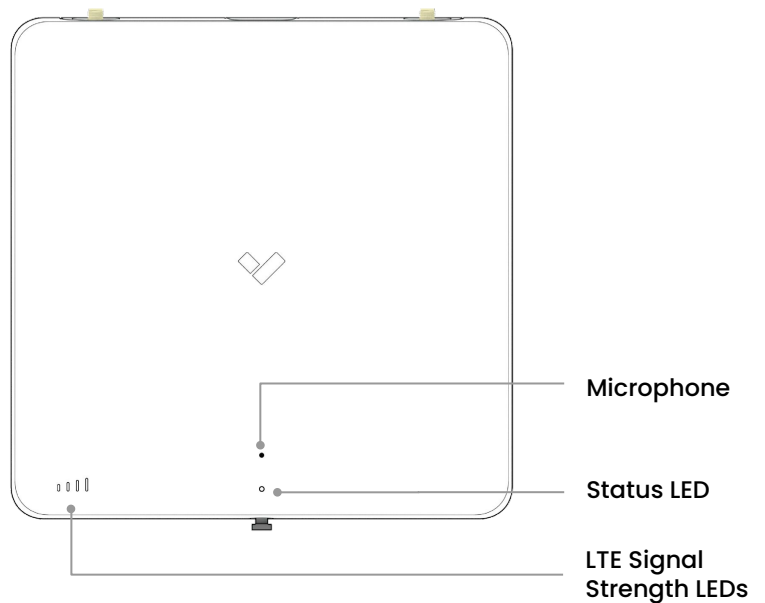
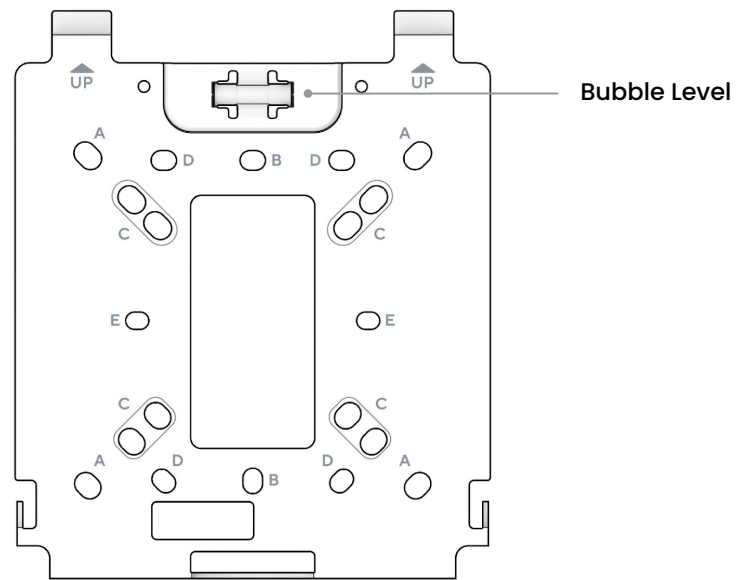
-  **Solid Orange**  
Panel is on and booting up.
-  **Flashing Orange**  
Panel is updating firmware.
-  **Solid Blue**  
Panel is running and online.
-  **Flashing Blue**  
Panel is running and offline.
-  **Solid Green**  
Panel is running on battery and online.
-  **Flashing Green**  
Panel is running on battery and offline.

### Signal Strength LED Behaviors

If all LEDs are lit, the connection is optimal.



Fewer lights indicate a weaker signal. Try adjusting the antenna position for better signal strength.

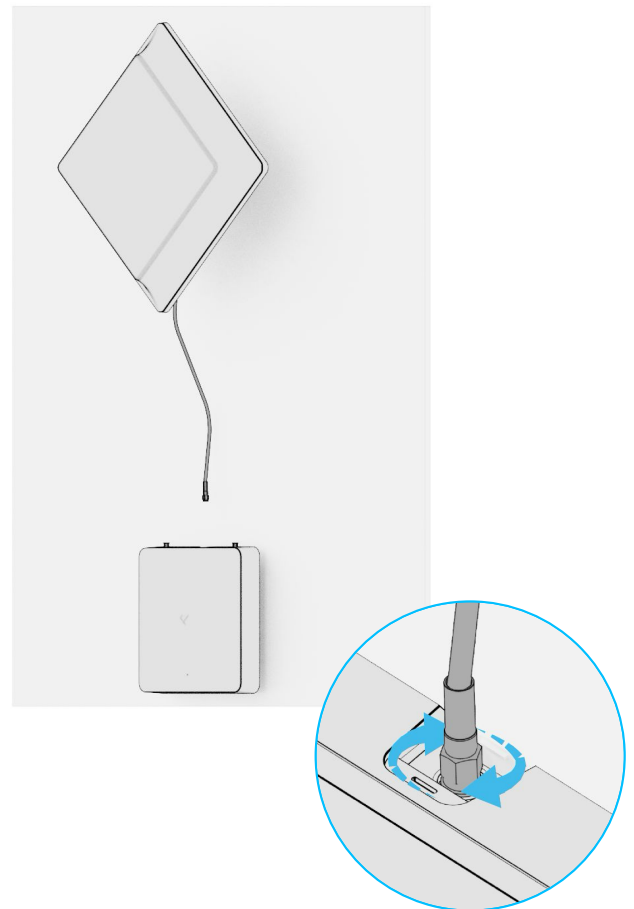
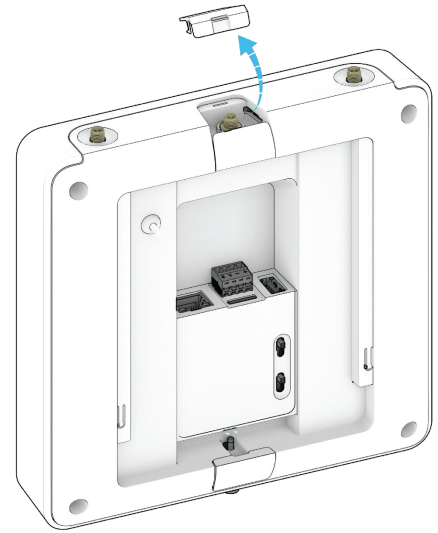


## Installation

### External Sub-G Installation (Optional)\*

To extend VLINK range for outdoor coverage, remove the Sub-G SMA cover and install ACC-WH-ANT-1.

Refer to the install guide for ACC-WH-ANT-1 for more details.



\*Not evaluated for compliance to UL294 or ULC 60839-II-1

## Technical Specifications

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Power Draw                       | 3.1W standby(TBC) , 24.5W maximum.                                                                                      |
| Input Voltage                    | PoE 42V – 57V DC input, 0.58A – 0.43A                                                                                   |
| Output Voltage*                  | 36V +/- 3% (output not available for PoE af) Output current 167mA max                                                   |
| Battery Life*                    | >24-hour battery backup (56.32Wh rechargeable LiFePo4 battery)                                                          |
| Wireless Communication Frequency | VLink sub-GHz transceiver with internal/external Antenna (902-928MHz).                                                  |
| LTE connectivity* (optional)     | LTE Band: 2, 4, 5, 12, 13, 14, 66, 71                                                                                   |
| RF Range                         | Please refer to the downstream device datasheet.                                                                        |
| Tamper Detection                 | Yes                                                                                                                     |
| I/O ports                        | PoE In, RS485 Out*, USB*, Nano SIM Card, Power Switch, Mic Disable Switch                                               |
| LEDs                             | Status LEDs: RGB + Orange x1<br>Radio Signal Strength: White x4                                                         |
| Operating Temp. & Humidity       | 0°C–50°C / 32°F–122°,<br>0–90% RH non-condensing                                                                        |
| Dimension                        | 7.5 (in) x 7.5 (in) x 1.75 (in)                                                                                         |
| Performance Rating*              | IP4X, IK04                                                                                                              |
| Compliance                       | For hardware certification information, please visit <a href="http://verkada.com/compliance">verkada.com/compliance</a> |

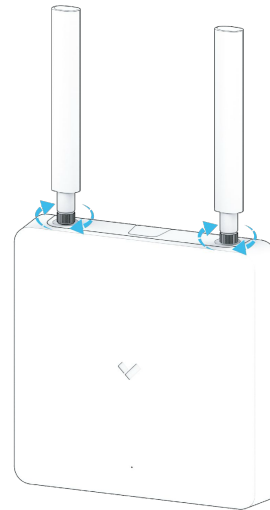
\*Not evaluated for compliance to UL294 or ULC 60839-11-1



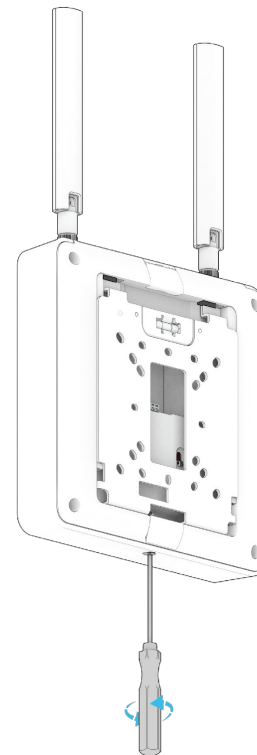
## Installation

### Preparation

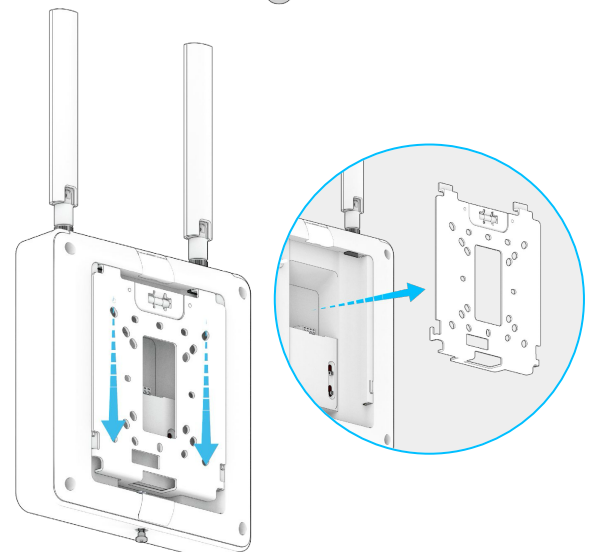
Remove the protective caps on the LTE SMA connectors and install the antennas.



Use the T10 Security Torx Screwdriver to loosen the Security Screw on the bottom.



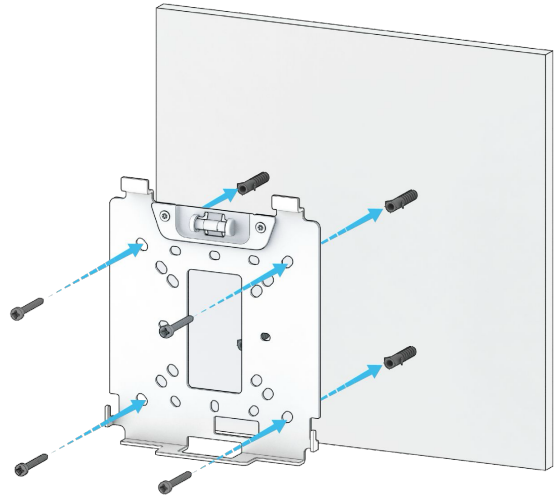
Slide the Mount Plate downward and separate the Mount Plate from the device.



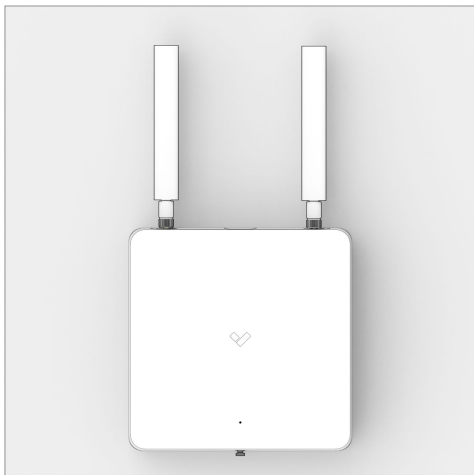
## Installation

### Mounting (1/2)

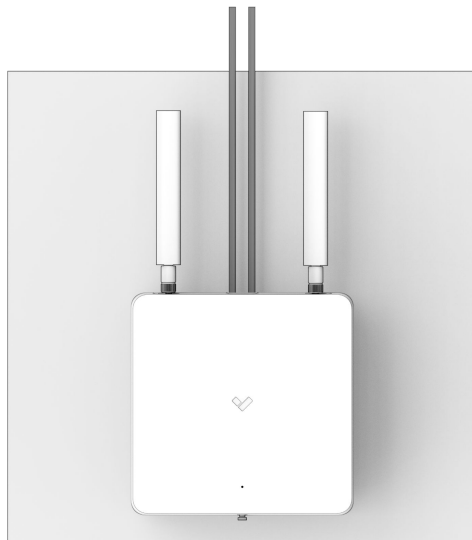
Install wall anchors and screws to secure the mount plate to the wall. Use the bubble level to assist with leveling the device before tightening screws.



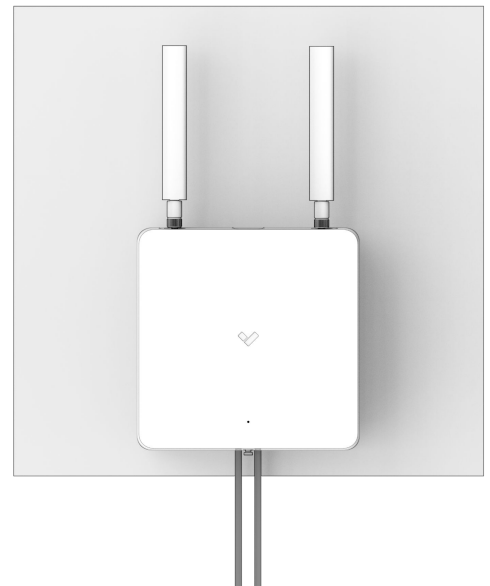
### Cable Routing Options



Through the Wall



Through the Top

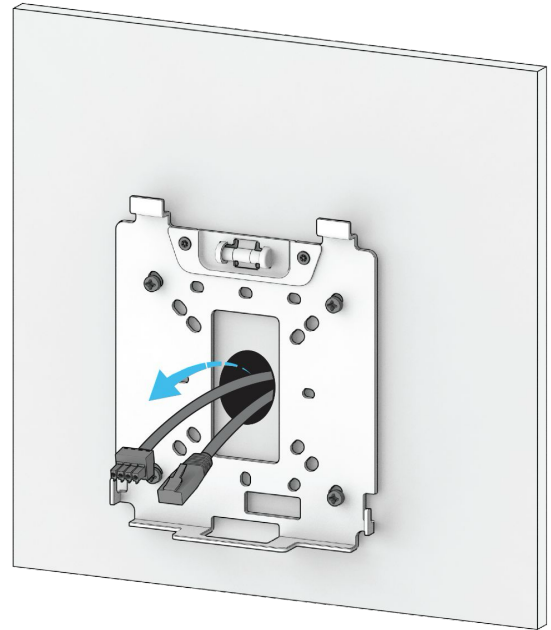


Through the Bottom

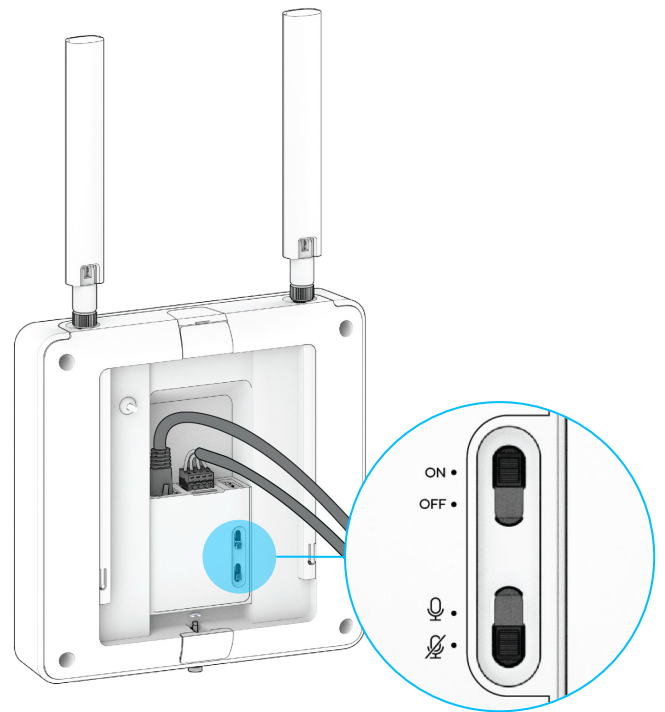
## Installation

### Routing Through the Wall

Route the cables through the central hole on the mount plate.



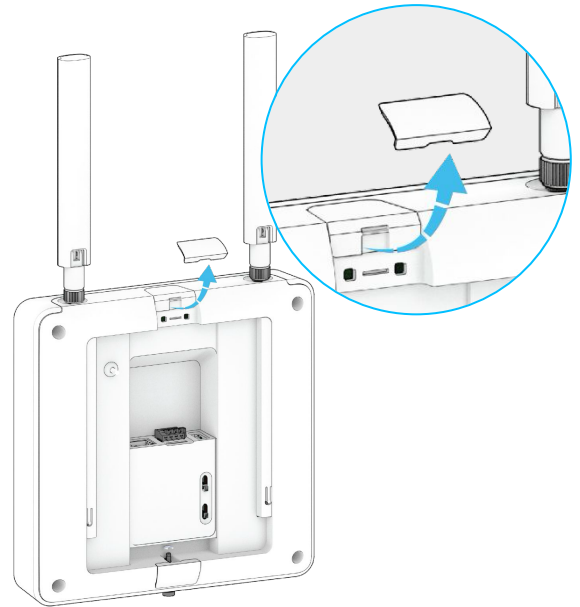
Plug the wires into the device. Ensure device is powered on and set mic to desired operating state.



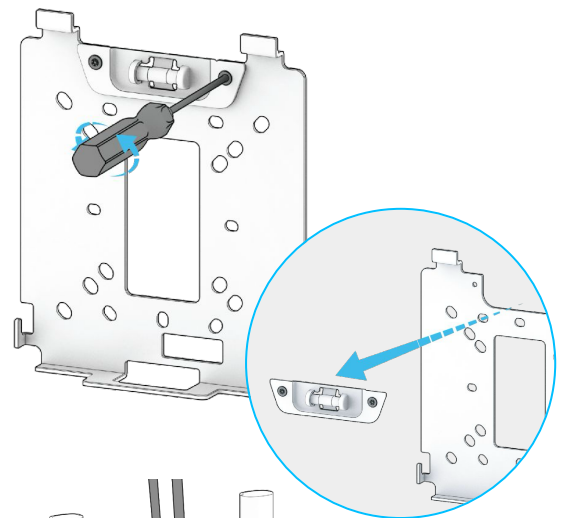
## Installation

### Routing Through the Top

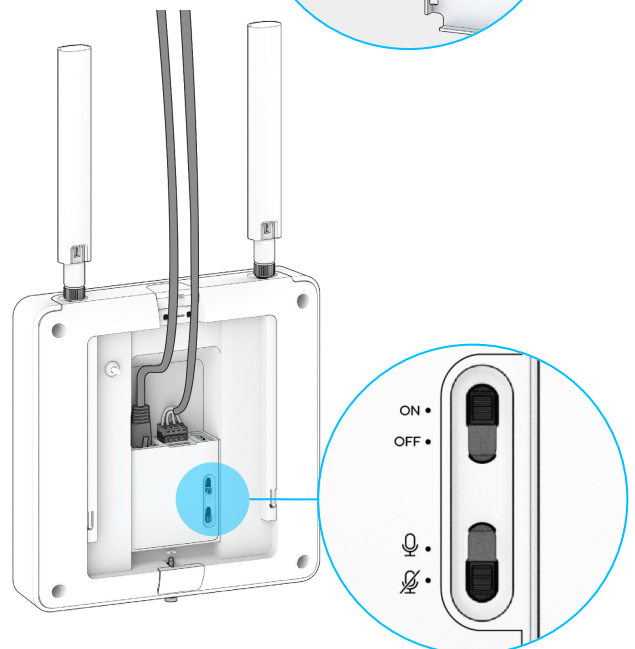
Remove the Cable Cover from top of the device.



Use the T10 Security Screw to remove the Bubble Level.



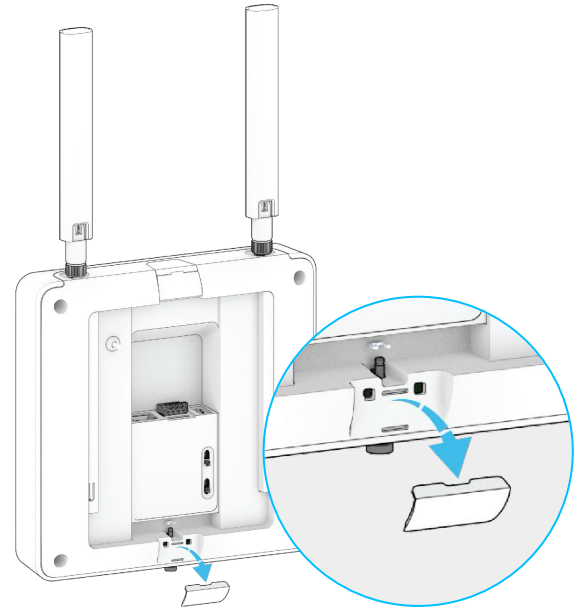
Plug the wires into the device. Ensure device is powered on and set mic to desired operating state.



## Installation

### Routing Through the Bottom

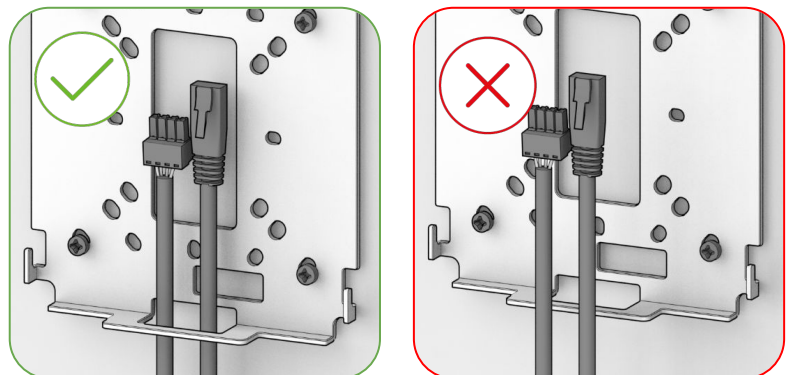
Remove the Cable Cover from bottom of the device.



Plug the wires into the device. Ensure device is powered on and set mic to desired operating state.



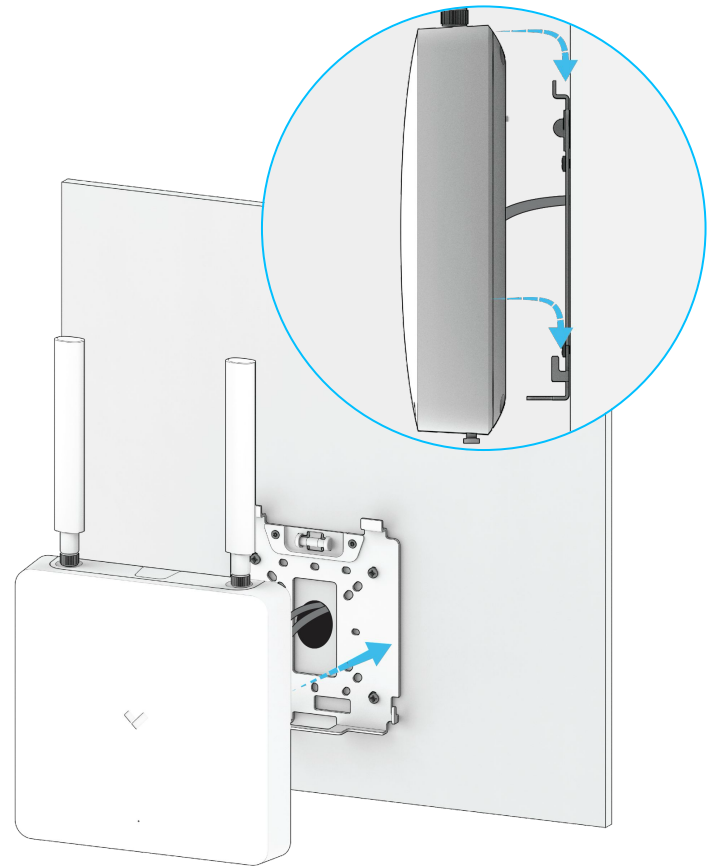
Ensure that the wires are routed through the opening on the bottom of the Mount Plate.



## Installation

### Mounting (2/2)

Engage the mounting pegs on the Mount Plate and push down to lock the device in place.



Tighten the Security Screw on the bottom of the device to secure it.



## Appendix

# Compliance

### FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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.

#### FCC Radiation Exposure Statement :

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 40cm between the radiator & your body. Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

#### Professional Installation:

This device must be professionally installed. The intended use is generally not for the general public. It is generally for industrial and commercial use. Installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance and other FCC rules.

## Appendix

# Compliance

### ISED Compliance

This device complies with ISED's licence-exempt RSSs. 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.

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.

#### IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux rayonnements d'IC : Cet équipement est conforme aux limites d'exposition aux rayonnements IC RSS-102 définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et votre corps.

#### Supported Antennas:

This radio transmitter 26271-60B5601 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Le présent émetteur radio 26271-60B5601 a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

Appendix

# Compliance

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UL 294 Listed</b><br>(pending)      | <p>Attack Level: Level I</p> <p>Endurance Level: Level I</p> <p>Line Security Level: Level I</p> <p>Standby Power Level: Level I</p> <p>This device accepts PoE type A or B. Use only UL listed class 2 power supply. Certification testing completed using PHIHONG TECHNOLOGY CO LTD Model POE60U-BTB (Verkada ACC-POE-60WHS) File E127643. PoE supply is for indoor use only.</p> <p>Electronic authorization details</p> <ul style="list-style-type: none"><li>- Mobile device operating system requirements: Apple iOS 16.0 or later, Google Android 3.1.6 or later</li><li>- Mobile app requirements: Verkada Pass App 4.7.13 or later</li><li>- User verification method: User ID and password</li><li>- Credential details: authentication/digital signature keys received from wireless electronic credential</li></ul> |
| <b>CAN/ULC 60839-11-1</b><br>(pending) | <p>Environmental Level: Indoor</p> <p>Grade assignment: Grade I</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



## 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](https://verkada.com/support)

