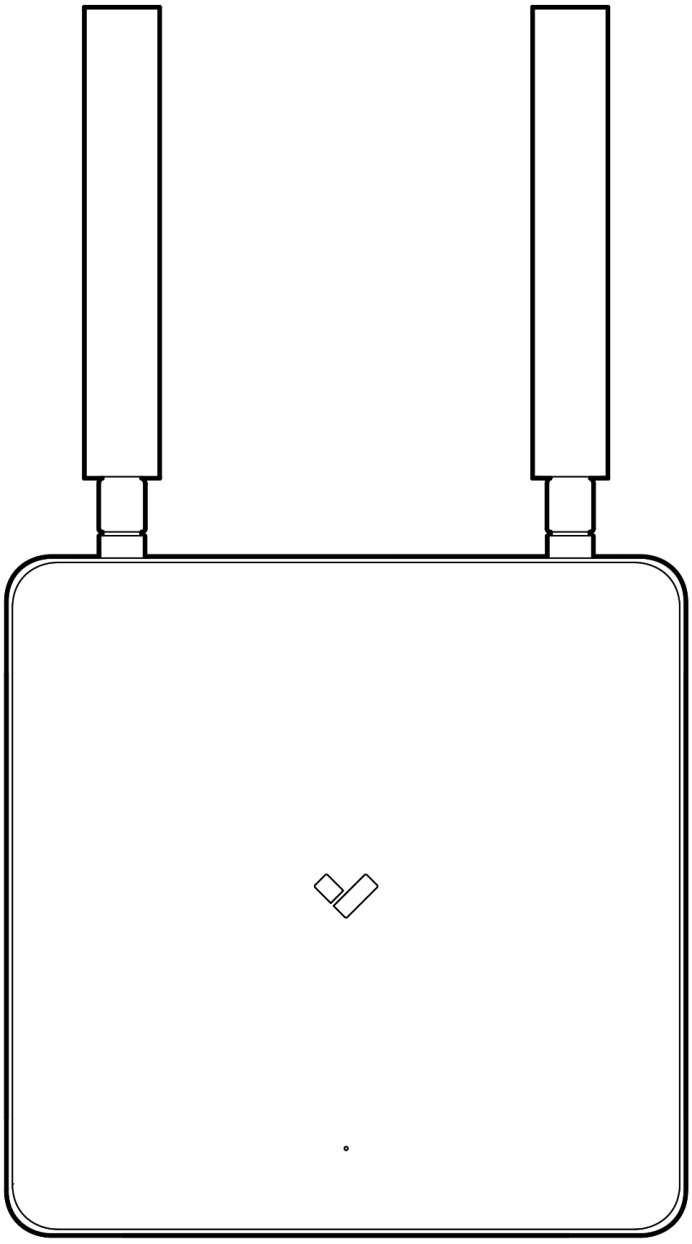
Install Guide

BP32 Wireless Alarm Panel



Document

Document Details

Version

V1.0 [EDIT]
(V1.0 published [EDIT])

Firmware

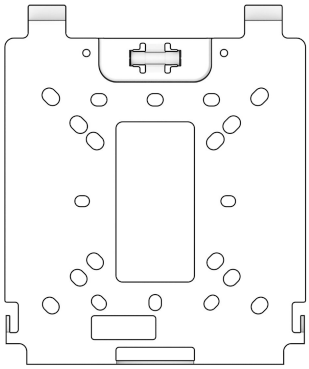
Firmware version can be verified on Verkada Command command.verkada.com.

Product Models

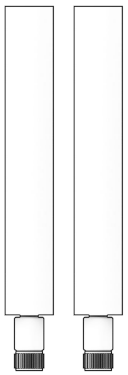
This install guide pertains to model BP32.

What's in the Box

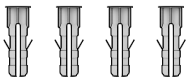
Wireless Alarm Panel



Mount Plate
(Attached to device)

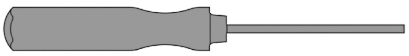


Antennas (2 pcs)



Wall Anchors (4 pcs)

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



T10 Security Torx Screwdriver

What you'll need

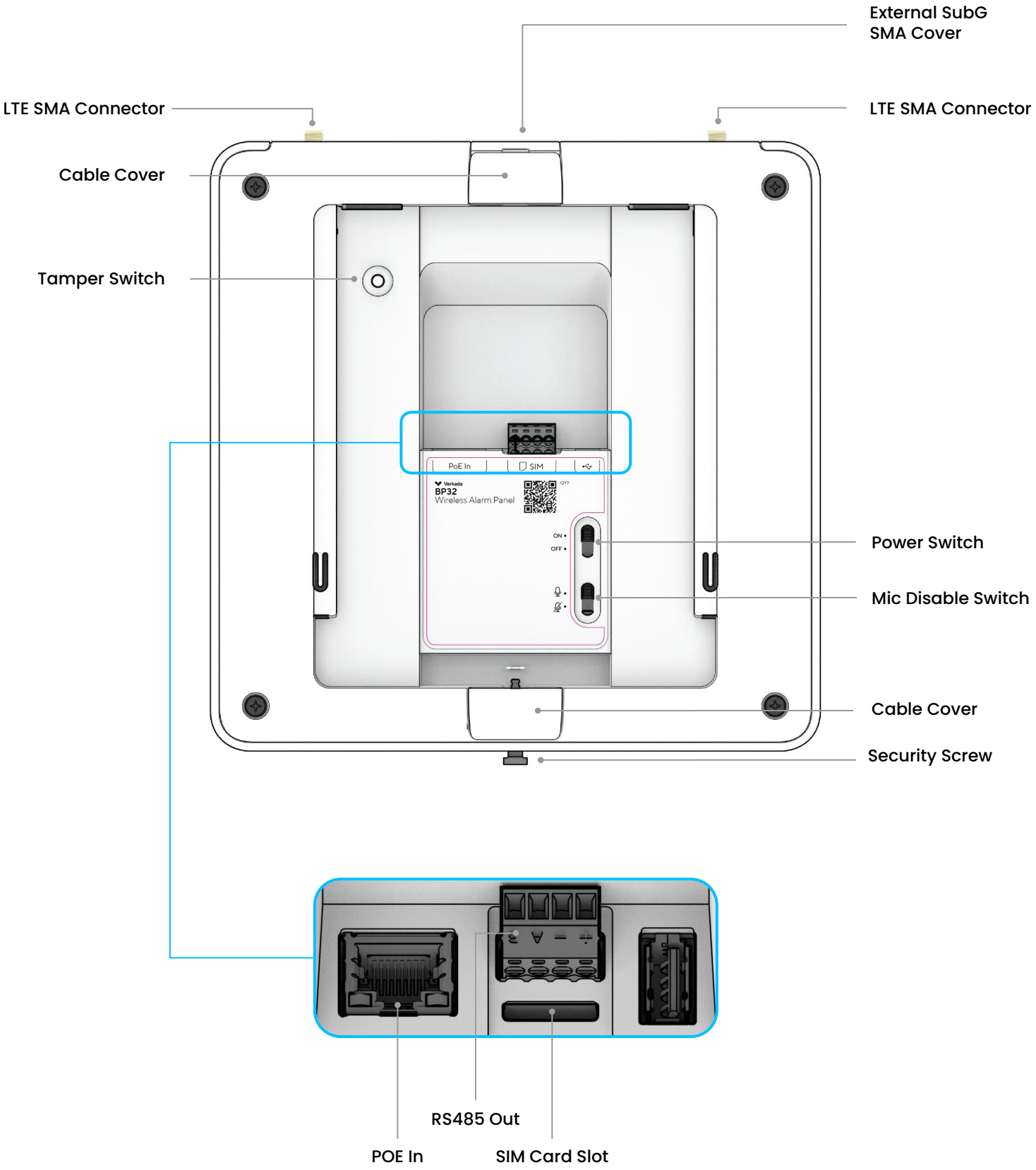
- A smartphone or laptop
- 1/4 inch (6.5mm) drill bit for wall anchors (if using mount plate)
- 1/8 inch (3mm) drill bit for pilot holes (if using mount plate)
- A Cat5 or Cat6 Ethernet cable with a 0.2-0.25 inch diameter (5-6.5mm)

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

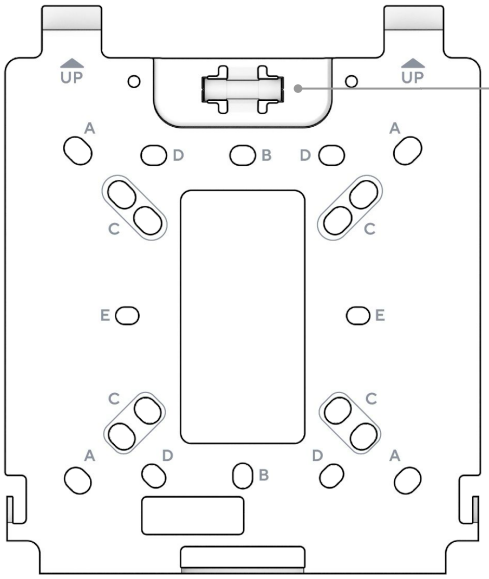
Overview


External SubG
SMA Cover
LTE SMA Connector
LTE SMA Connector
Cable Cover
Tamper Switch
PoE In
SIM
Verkada
BP32
Wireless Alarm Panel
ON
OFF
Power Switch
Mic Disable Switch
Cable Cover
Security Screw
RS485 Out
POE In
SIM Card Slot

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



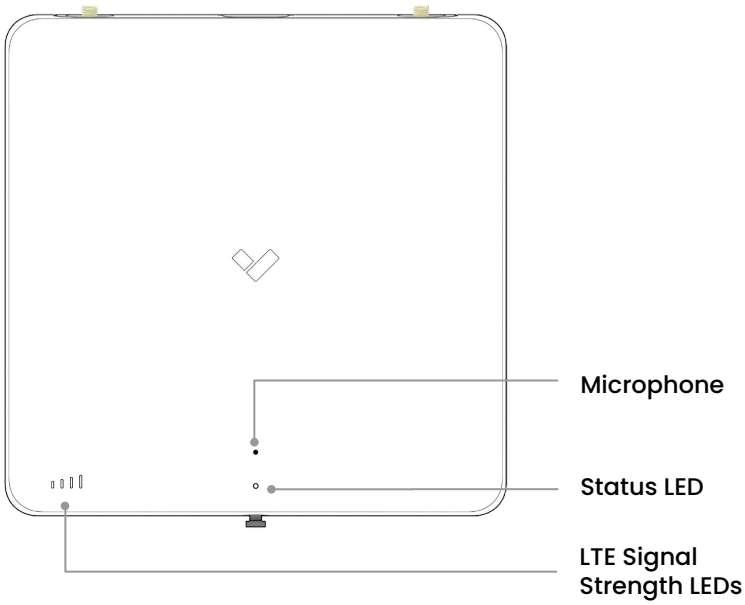
Status LED Behaviors

Solid Orange
Panel is on and booting up.

Flashing Orange
Panel is updating firmware.

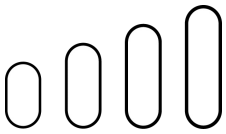
Solid Blue
Panel is running and online.

Flashing Blue
Panel is running and offline.



Signal Strength LED Behaviors

If all LEDs are lit, the connection is optimal.



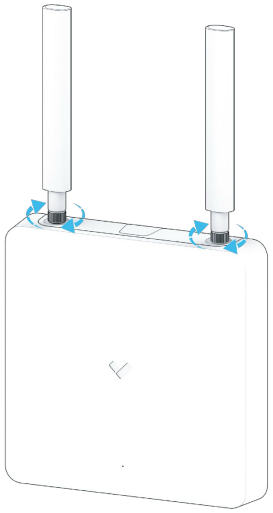
Fewer lights indicate a weaker signal. Try adjusting the antenna position for better signal strength.

Technical Specifications

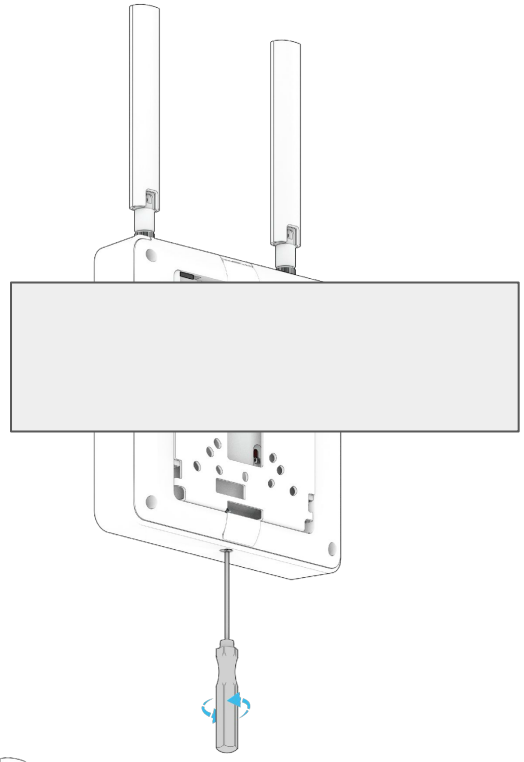
Power Draw	3.1W standby , 24.5W maximum.
Input Voltage	PoE 42V - 57V DC input, 0.58A - 0.43A
Output Voltage	36V +/- 3% (output not available for PoE af) Output current 167mA max
Battery Life	>24-hour battery backup (57.6 Wh rechargeable LiFePo4 battery)
RF connectivity	VLink sub-GHz transceiver with internal/external Antenna (863MHz - 928MHz). LTE: WWXD Band 1, 2, 3, 4, 5, 7, 8, 9, 12, 13, 14, 18, 19, 20, 25, 26, 28, NFXD: 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 Radio Signal Strength: White x4
Operating Temp. & Humidity	0°C-50°C / 32°F-122°, 0-90% RH non-condensing
Dimension	7.5 (in) x 7.5 (in) x 1.75 (in)
Compliance	FCC, CE, AUS, NZ RF & EMC: FCC, IC (for CA), CE (for EU) Cellular: PTCRB, GCF, Verizon, AT&T, T-Mobile Safety: UL/IEC 62368-1, CSA C22.2 No. 62368-1

Preparation

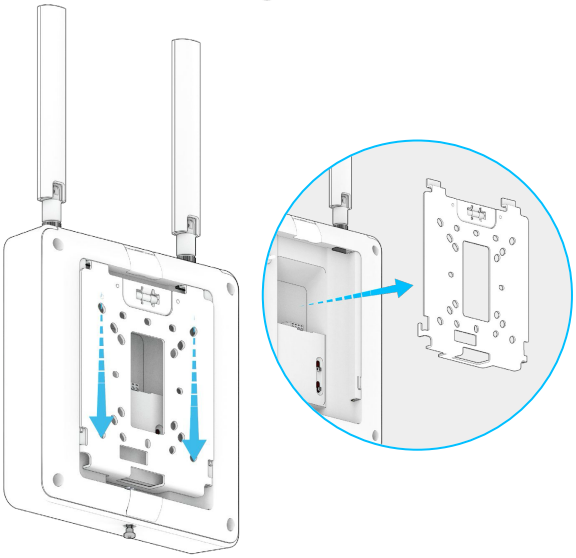
Remove the protective caps on the LTE SMA connectors and install the antennas.



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



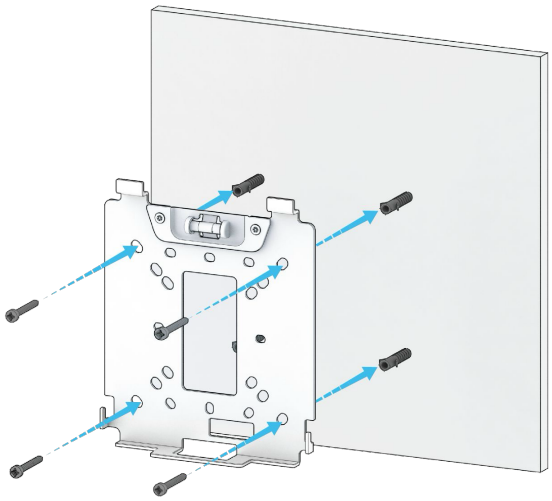
Slide the Mount Plate downward and separate the Mount Plate from the device.



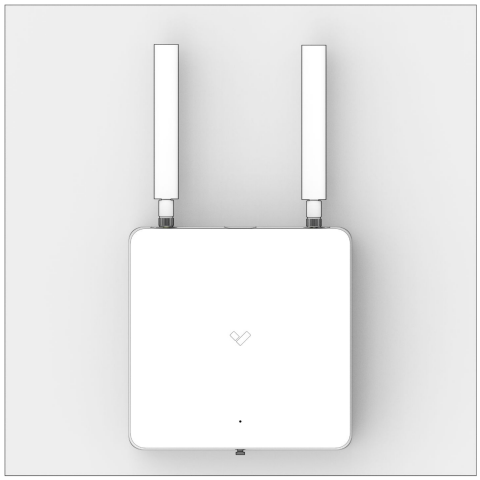
Installation

Mounting (1/2)

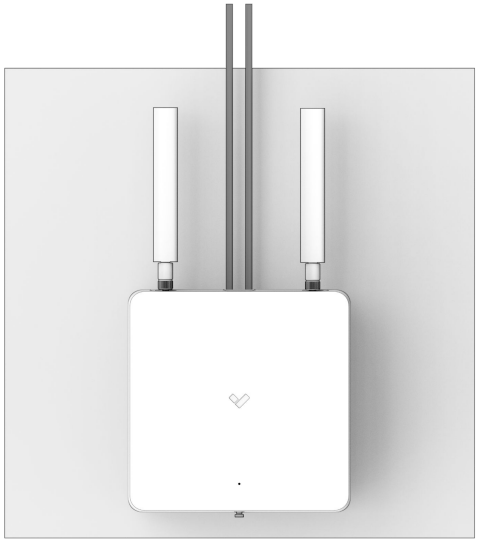
Install wall anchors and screws to secure the mount plate to the wall. Use the bubble level to assist with leveling the device before tightening screws.



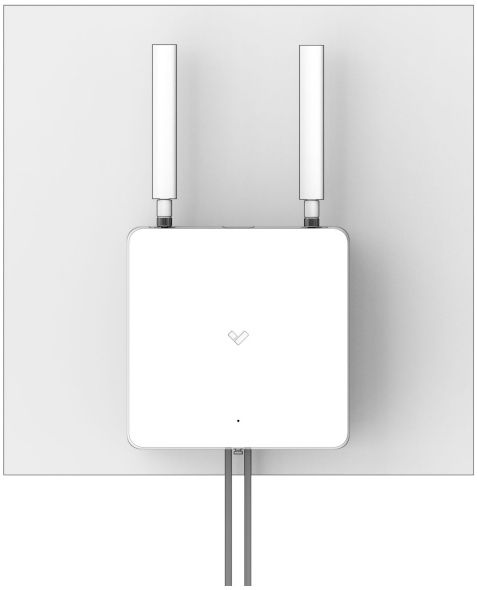
Cable Routing Options



Through the Wall



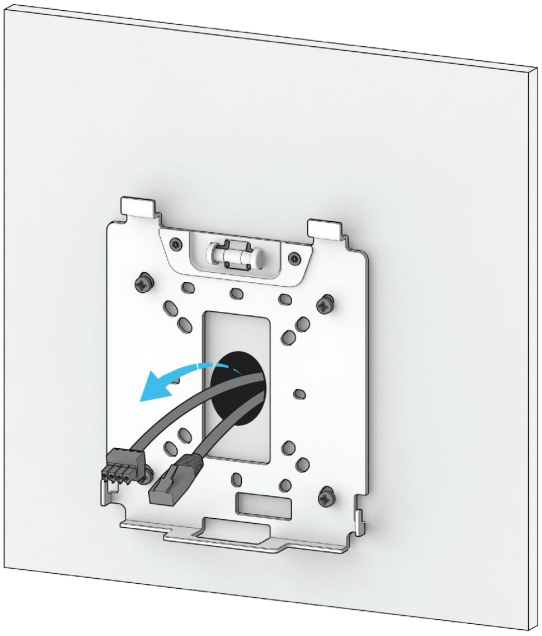
Through the Top



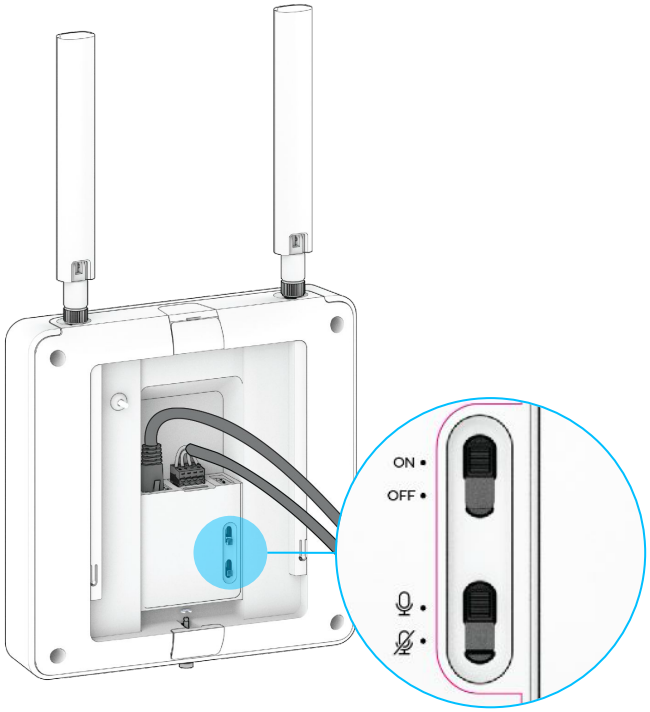
Through the Bottom

Routing Through the Wall

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

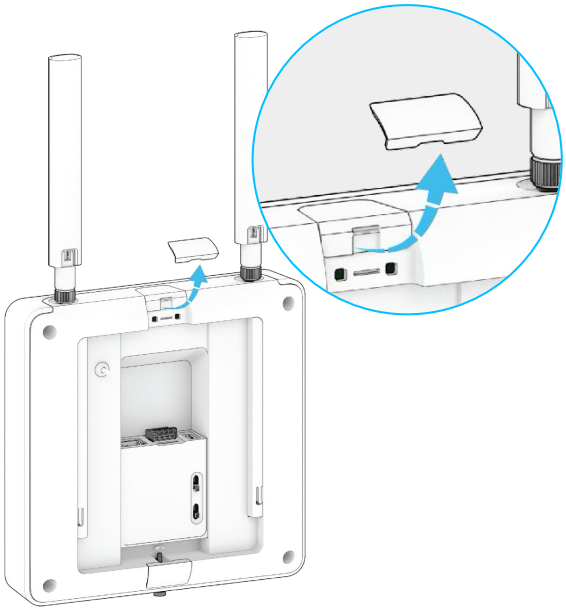


Plug the wires into the device. Ensure device is powered on and set mic to desired operating state.

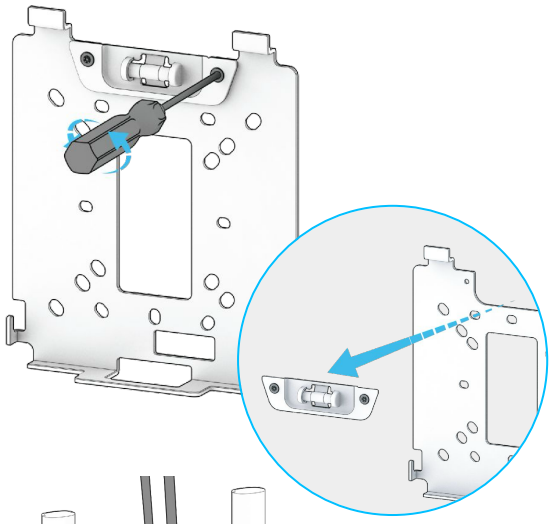


Routing Through the Top

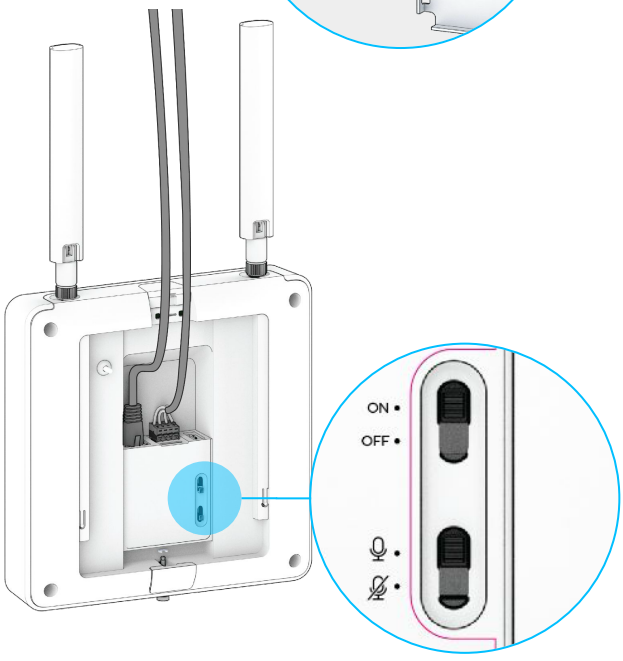
Remove the Cable Cover from top of the device.



Use the T10 Security Screw to remove the Bubble Level.

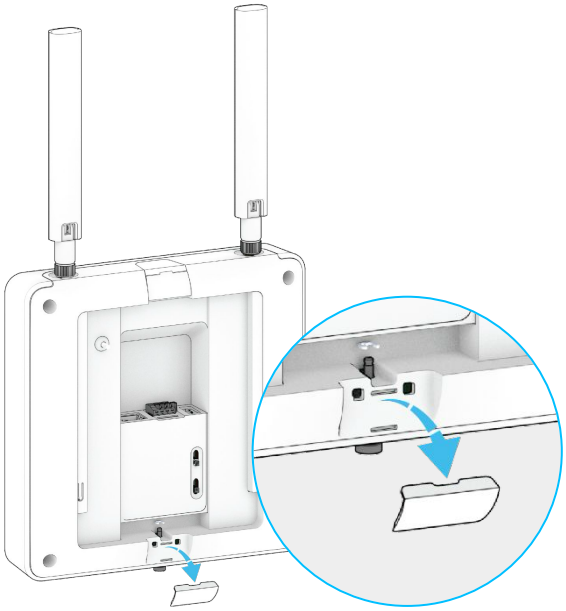


Plug the wires into the device. Ensure device is powered on and set mic to desired operating state.

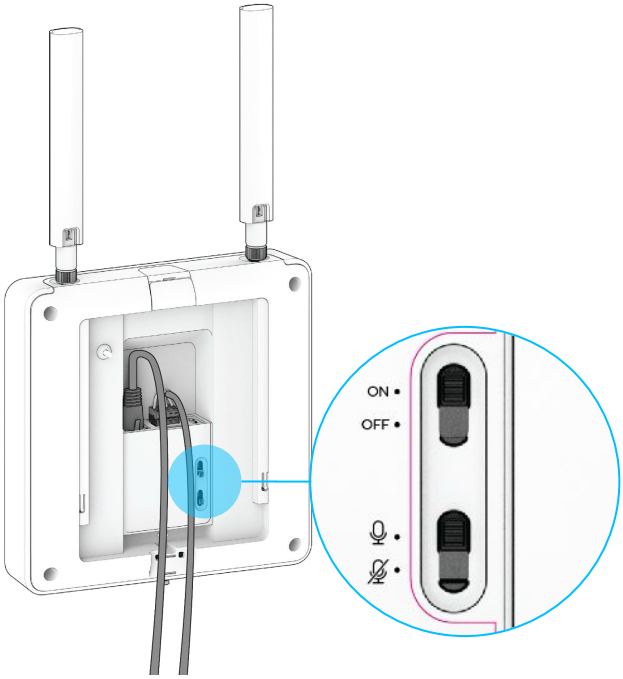


Routing Through the Bottom

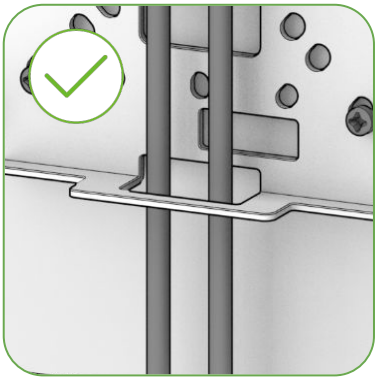
Remove the Cable Cover from bottom of the device.

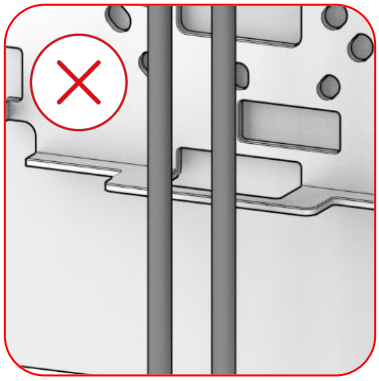


Plug the wires into the device. Ensure device is powered on and set mic to desired operating state.



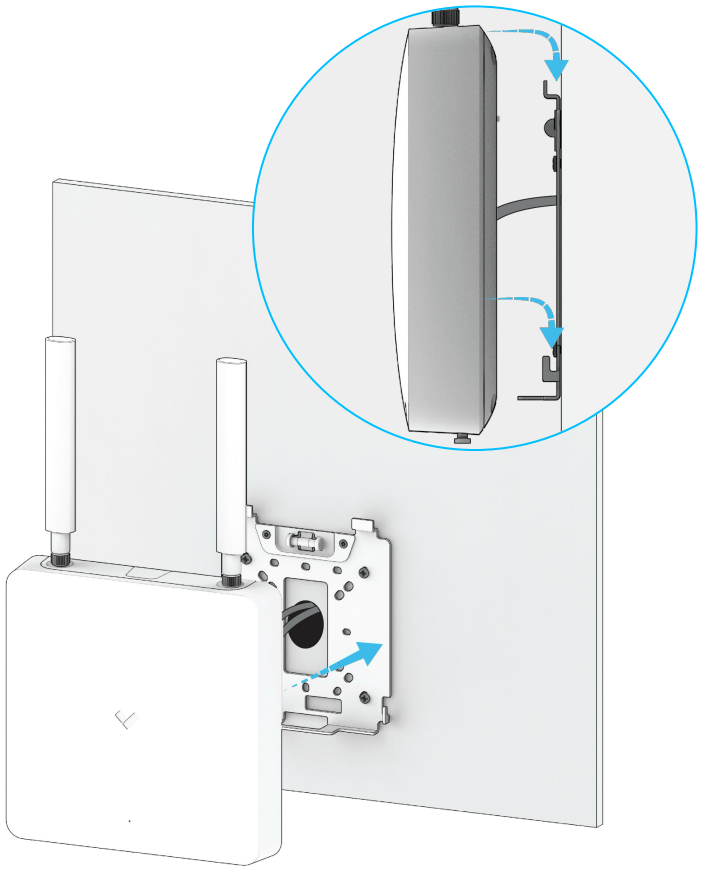
Ensure that the wires are routed through the opening on the bottom of the Mount Plate.



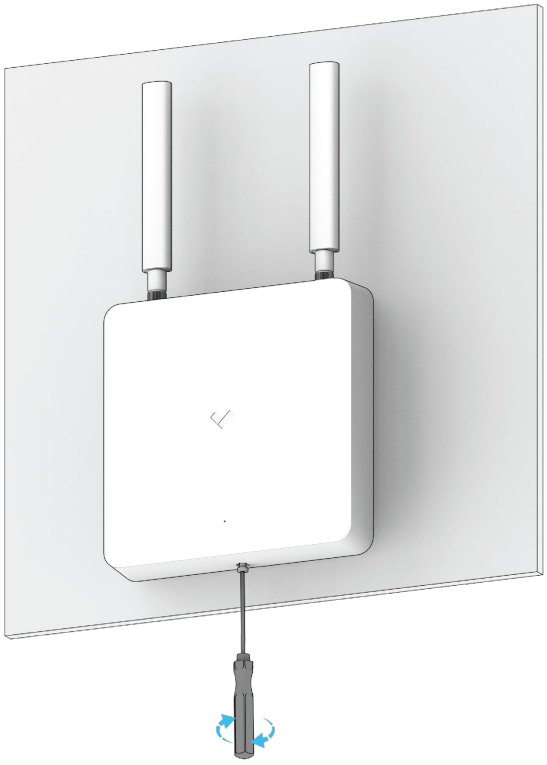


Mounting (2/2)

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

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