Supplemental Install Guide

Veridt Stealth Dual

PIV Reader with Keypad



Document

Document Details

Version

V1.0 (20261102)
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Product Models

This install guide pertains to model
ACCX-AC-PV-VT-1 (Veridt part number 900W2036).

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Veridt Stealth Dual Technical Specifications

Dimensions	5.5" x 3.0" x 1.5" (13.97cm x 7.62cm x 4.0cm), including mounting plate
Weight	0.7 lb (320g)
Supported Credential Technologies	Contact (ISO 7816) High frequency (13.56 MHz) Low frequency (125 kHz) Keypad for 2FA or PIN-only access
Supported Credentials	PIV, PIV-I, CAC, proximity cards
Rating	IP65
Operating Temperature	-40° to 70°C (-40° to 158°F) 5-95% RH
Controller Compatibility	Requires an RS-485 (OSDP) connection to a Verkada access controller
Power Consumption	12V ± 1V, 330mA max
Included Accessories	Mounting plate, reader cable (24" pigtail), 2 Phillips screws, 2 hex screws
Mounting Options	Unit ships with standard single-gang mounting plate

Before You Begin

What's in the box

- Veridt Stealth Dual PIV Reader with Keypad
- Mounting plate
- Reader cable: 24" pigtail that plugs into the back of the reader
- Mounting screws (2 sets of 2): For securing the reader to the mounting plate. Use either set.
  - Phillips screws
  - Hex socket screws

What you'll need

- A #2 Phillips driver or a hex key, depending on which mounting screws you use
- **For junction box mounting:** two #6-32 screws
- **For wall mounting:** two #6 screws with wall anchors, and a drill for the anchor and cable routing holes
- **For outdoor installations:** silicone dielectric grease

Placement

Mount the reader on a single-gang junction box or flat wall surface, with the reader cable routed to a Verkada access controller.

Reader Wiring

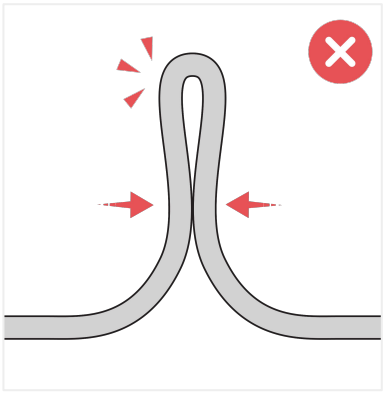
The following table shows the recommended wire types and maximum cable lengths:

AWG	Twisted Pair	Shielded	Max Length
22	Yes	No	102 ft
20	Yes	No	180 ft
18	Yes	No	262 ft

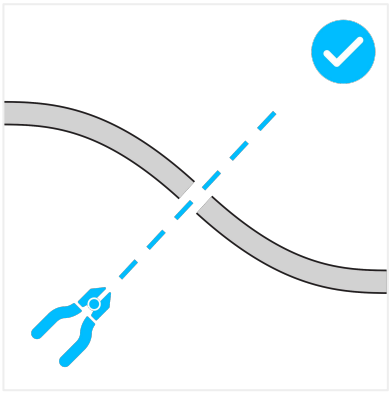
Recommended use: one twisted pair for power (GND and +12V) and one twisted pair for data (RS-485 A/B). Wiring methods shall be in accordance with the National Electrical Code, ANSI/NFPA 70.

Excess Wire Trimming

Avoid pinching cables during installation, as that may affect performance. If there is excess cable, trim to reduce slack.



Avoid pinching the cable



Trim excess cable

Reader Cable Wiring

Reader Cable	Signal
Red	Power +12V
Black	Ground
Yellow	RS-485 A
Blue	RS-485 B

Note: All other wires on the reader cable pigtail are not used. Cap and insulate each unused wire individually. Do not reverse the red (Power +12V) and black (Ground) wires. Incorrect wiring may permanently damage the reader and will void the warranty.

Powering Options

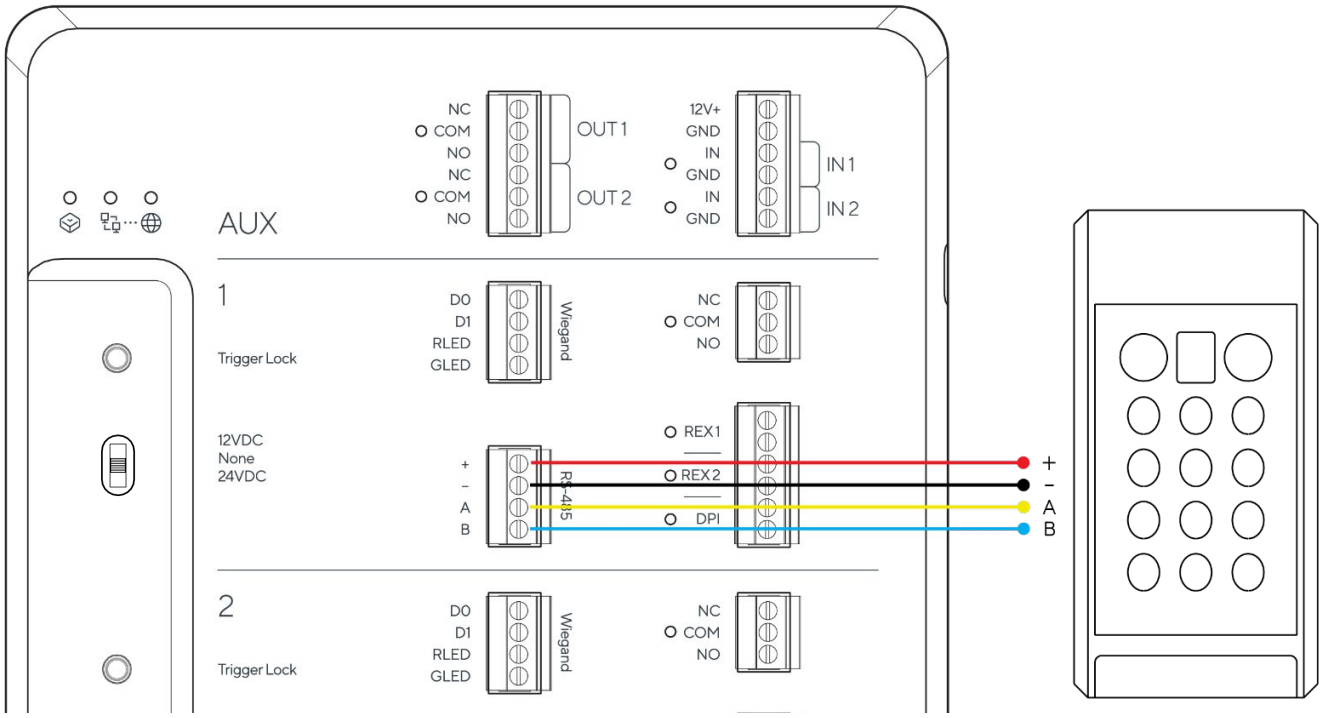
Only the AC43 can power the reader from its reader port. On the AC62, AC42, and AC12, the reader port cannot supply enough power, so the reader's power wires must connect to another source. The data wires still connect to the reader port on every controller.

Controller	Power Options
AC43-G/AC43	Reader port
AC62-G/AC62	Auxiliary power port, unused door lock relay, or external power supply
AC12-G/AC12	Unused door lock relay, or external power supply
AC42	Unused door lock relay, or external power supply

Powering from the Reader Port

Supported controllers: AC43-G/AC43

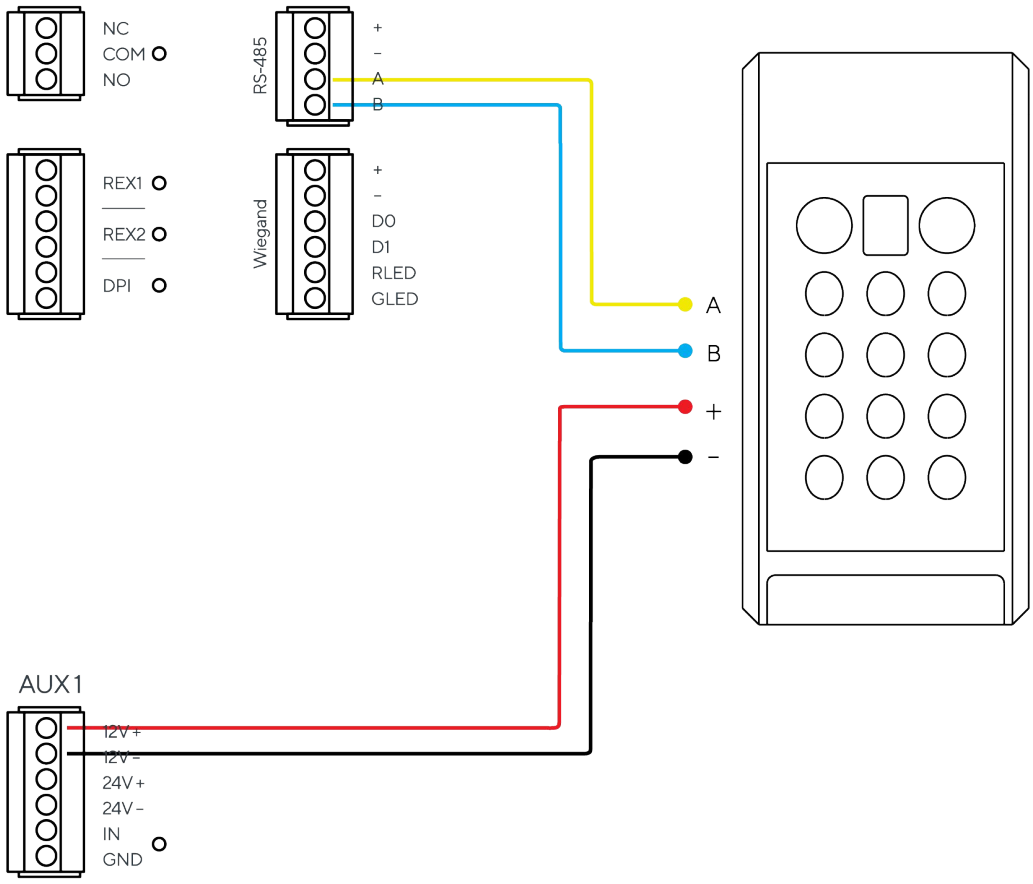
The AC43's reader ports provide enough power to run the reader directly. Connect all four reader wires (power and data) to the reader port.



Powering from the Auxiliary Power Port

Supported controllers: AC62-G/AC62

1. Connect the reader's red (power) and black (ground) wires to the 12V+ and 12V- terminals of an AUX port on the AC62.
2. Connect the reader's yellow and blue wires to the A and B terminals of the door's reader port.



Caution ⚠

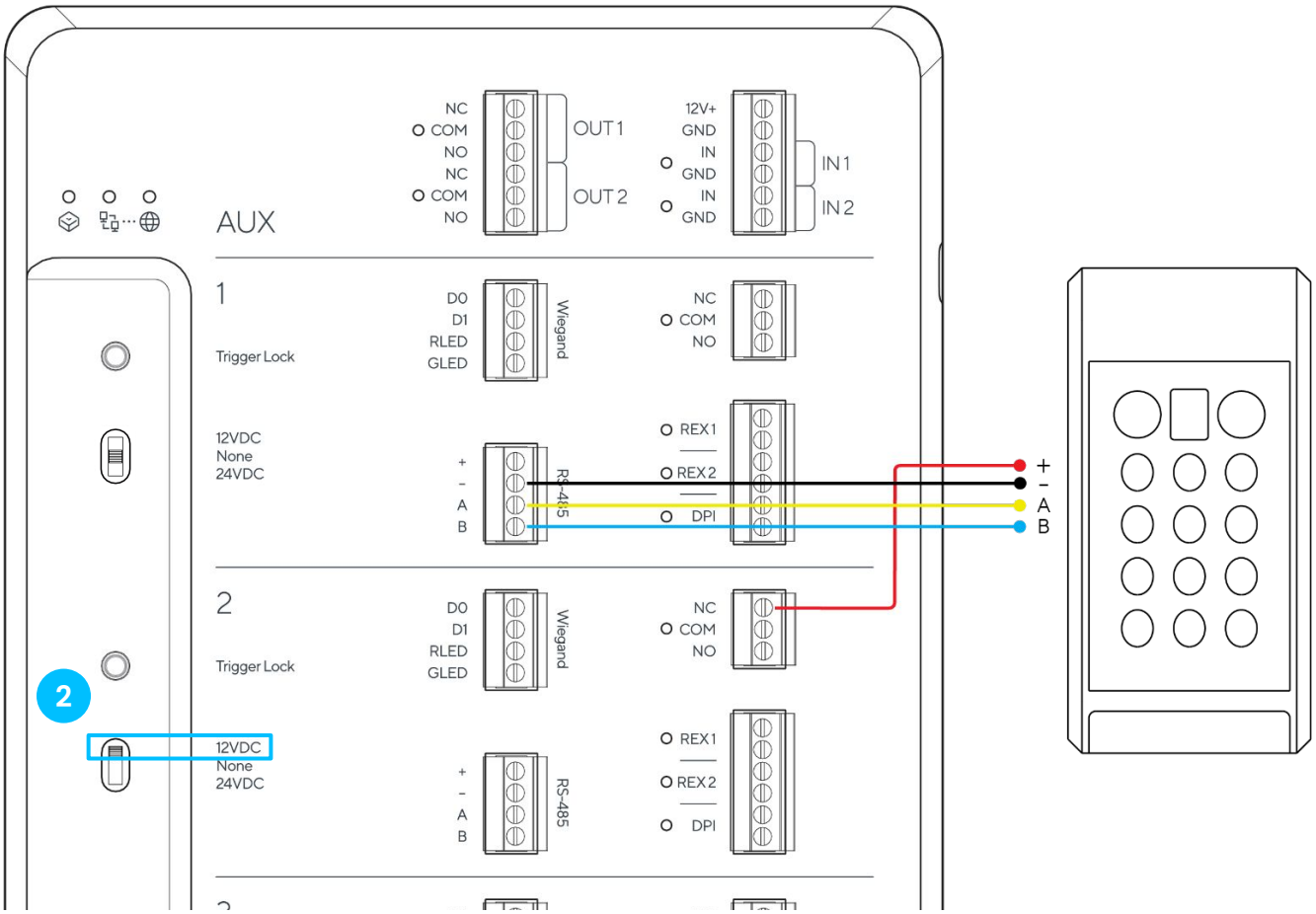
Use the 12V terminals, not 24V+ and 24V-. Connecting to 24V risks permanently damaging the reader.

Powering from an Unused Door Lock Relay

Supported controllers: AC12-G/AC12, AC42, AC62-G/AC62

This method uses the lock relay of a door port that isn't in use. Do not add a door to that port in Command, since its lock relay will be powering the reader.

1. Connect the reader's black (ground), yellow, and blue wires to the negative (-), A, and B terminals of the door's reader port.
2. Choose a door port that isn't in use, and set its lock power switch to 12VDC.
3. Connect the reader's red (power) wire to the NC terminal of that unused door port's lock relay.



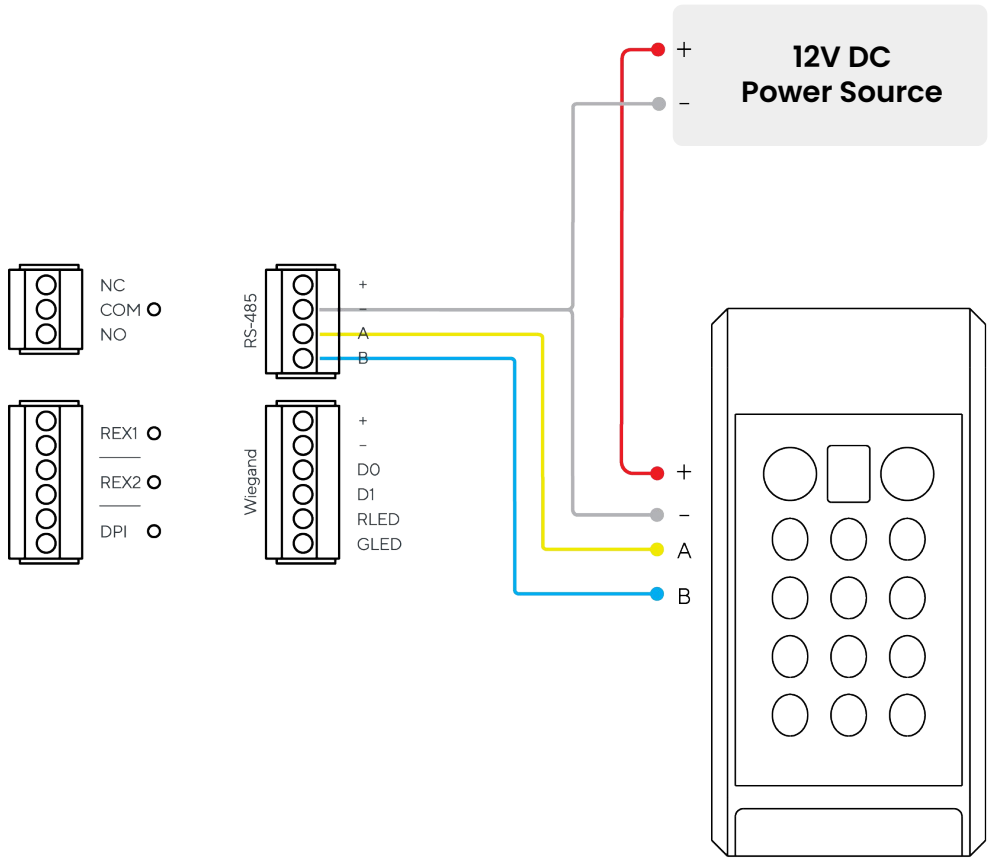
Caution ⚠

Make sure the switch is set to 12VDC. Setting it to 24VDC risks permanently damaging the reader.

Powering from an External Power Supply

Supported controllers: AC12-G/AC12, AC42, AC62-G/AC62

1. Connect the reader's red (power) and black (ground) wires to the power supply's positive (+) and negative (-) terminals.
2. Connect the reader's yellow and blue wires to the A and B terminals of the door's reader port.
3. Connect the power supply's negative (-) terminal to the negative (-) terminal on the controller's reader port, so the reader, power supply, and controller share a common ground.



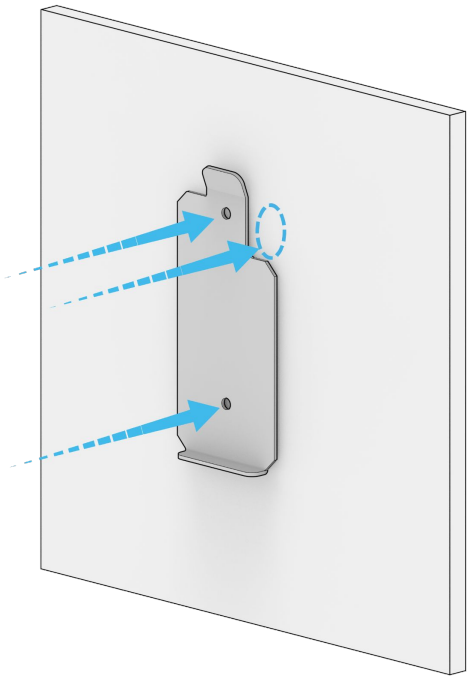
Caution ⚠

Use a 12V Listed Access Control/Burglary power-limited power supply with at least 330mA available per reader. The reader operates between 11 and 13VDC. Voltage above 13V may permanently damage the reader, and voltage below 11V may cause it to operate intermittently or not at all.

Mounting 1/4

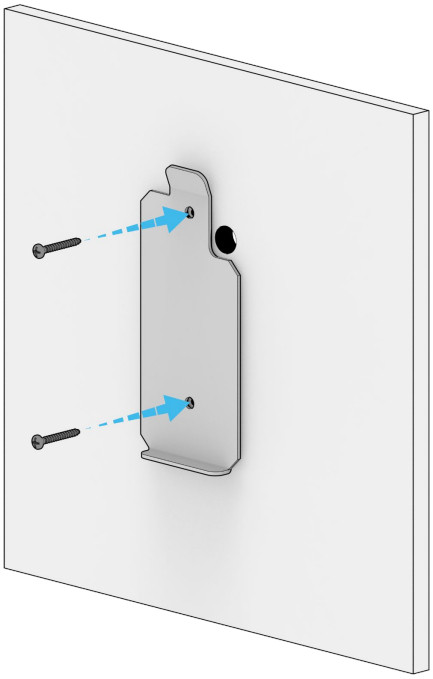
If you are mounting on a wall, use the mounting plate as your template to mark two pilot holes at the top and bottom, and the location of the cutout in the top right of the plate for the wiring.

Drill the pilot holes, sized for your wall anchors. Then drill a hole for cable routing, aligned with the cutout.



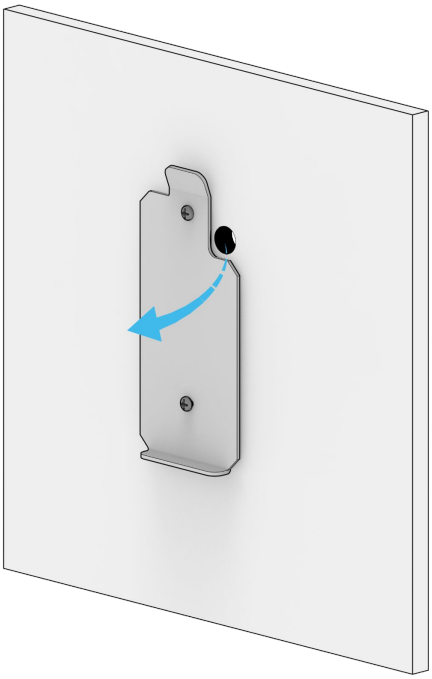
Install the anchors and secure the mounting plate with two #6 screws.

If you are mounting on a single-gang junction box, secure the mounting plate to the box using two #6-32 screws.



Mounting 2/4

Route the installed cable through the cable routing hole or junction box opening.



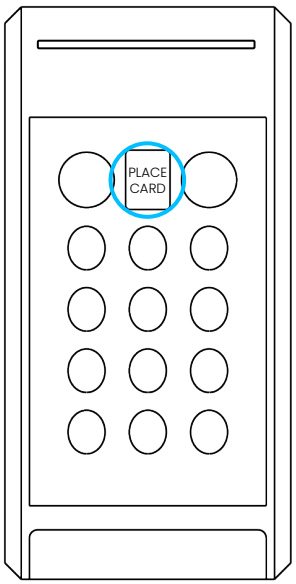
Connect the wires.
*See the **Wiring** sections of this document for wiring instructions.*

Then plug the reader cable into the back of the reader.

⚠ Attention

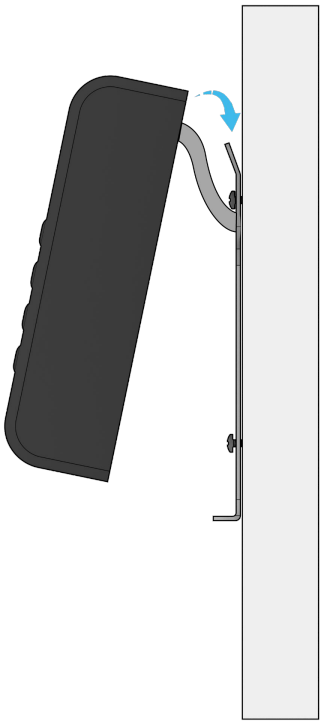
For outdoor installations, apply **silicone dielectric grease** to the connector on the back of the reader. Then plug the reader cable into the back of the reader.

To ensure that the reader is receiving power and is successfully connected to the access controller, make sure that the “PLACE CARD” light is lit and the top LED bar is off.

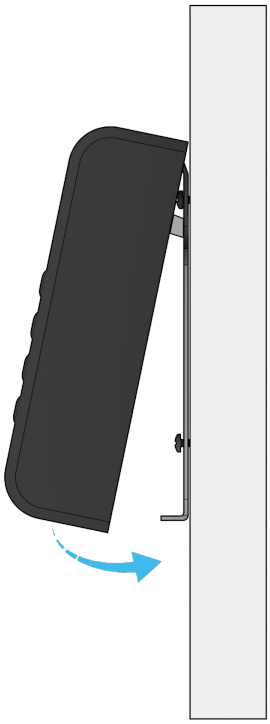


Mounting 3/4

Slot the top of the reader onto the mounting plate.

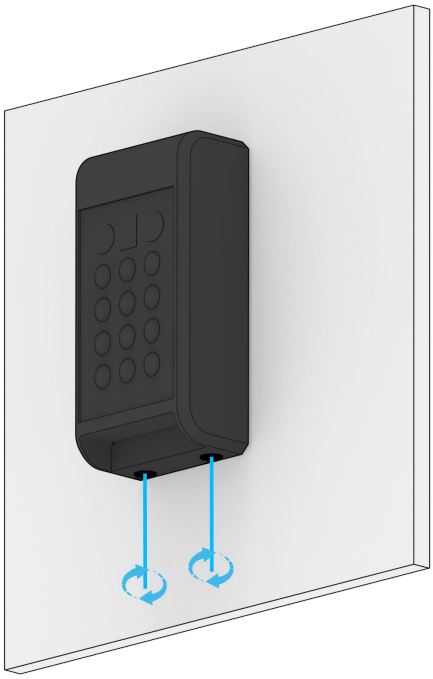


Once in position, swing the bottom of the reader into the mounting plate.



Mounting 4/4

To secure, tighten the two mounting screws on the bottom of the reader using a #2 Phillips driver or hex key.



Maintenance

The reader requires no periodic maintenance or calibration. To clean the outer surfaces, gently wipe them with a moist, non-abrasive cloth and a mild detergent. Do not immerse the reader.

The reader contains no user-replaceable parts. Do not open the unit or attempt repairs, as breaking a seal will void the warranty. If the reader is not operating properly, contact Verkada Support.

Additional Information

For further product details, instructions, and compliance information, please see Veridt's Stealth Series Installation Guide at https://veridt.com/portfolio/121-stealth-series-installation-guide/.

Support

Thank you for purchasing this 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