Cloud Visitor Kiosk + Intercom

Complete guidelines for mounting, wiring, and provisioning the **Verentry 10** facial recognition intercom.

Hardware Compatibility: This manual covers both the **Verentry 10T** (tablet format) and **Verentry 10S** (stainless enclosure). While their outer housings differ to accommodate specific architectural aesthetics, their internal wiring, terminals, and configuration processes are completely identical.

- **Unified Connectivity:** Automatic failover hierarchy utilizing Ethernet, WiFi, or built-in 4G LTE.
- **Rapid Deployment:** Zero-touch provisioning via serverless AWS IoT architecture.
- **App-less Verification:** SMS links with visitor image/live view routing directly to resident devices.

10" TOUCH DISPLAY | DUAL-CAMERA BIOMETRICS | ETHERNET / 4G LTE | 12V DC

Package Contents

Included Items

- VAK10 unit (Includes backbox and front panel)
- 12V 3A power supply
- 5mm x 2.1mm male power plug pigtail
- Two keys for the VAK box enclosure
- Hold wire for the front panel

Not Included (Site Specific)

- SIM card for 4G LTE connectivity (unless pre-ordered)
- Optional stainless steel visor or wall trim
- LiFePo4 backup battery & charger

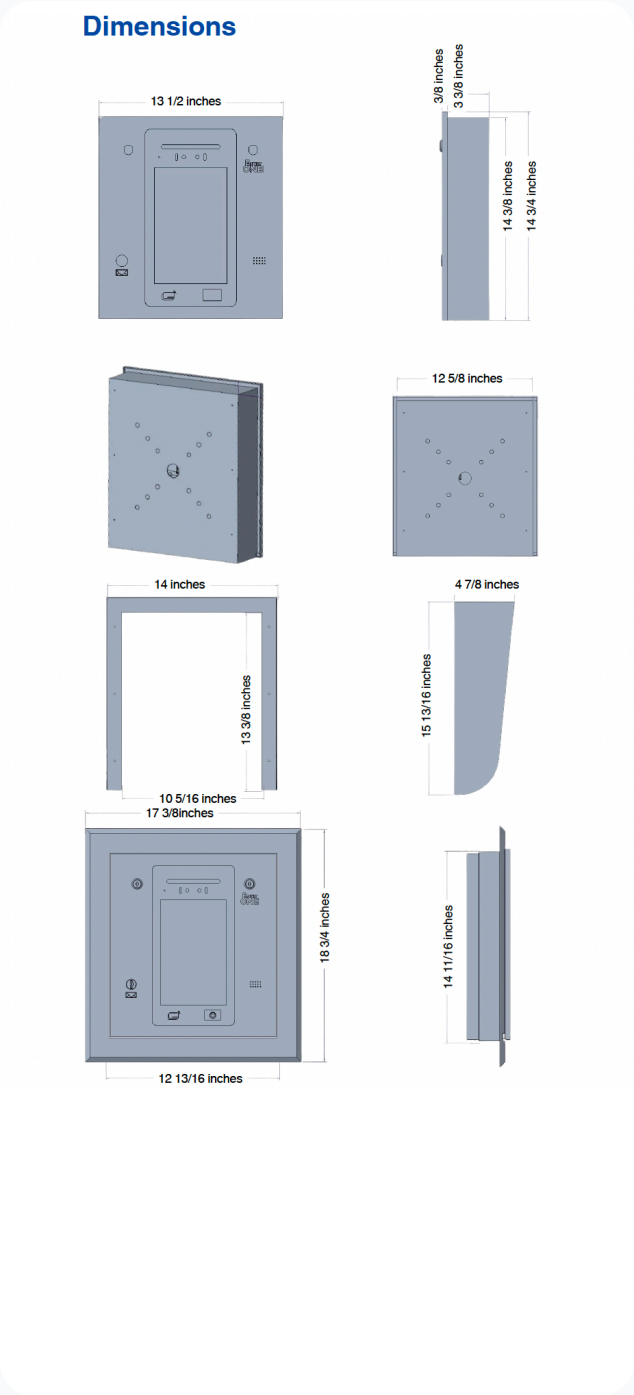
Pre-Install Note: The VAK10 features a detachable front panel designed to eliminate the need for a rough-box installation prior to positioning the unit on recessed mounts.

Six Installation Configurations

The VAK series supports multiple physical orientations including gooseneck pedestals, flush masonry, and semi-flush surfaces, with or without the optional stainless rain visor.

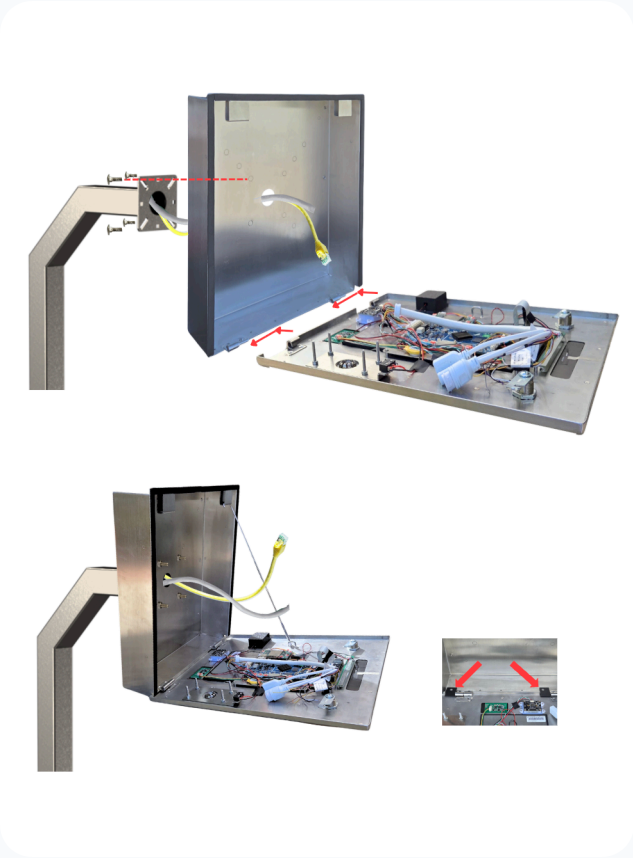
Enclosure Dimensions

Verify dimensional constraints prior to preparing custom pedestals or masonry cutouts.



Detaching the Front Panel

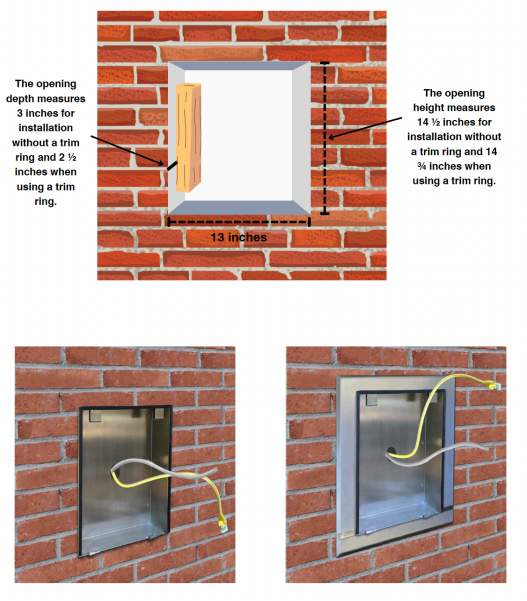
1. Open the unit using the provided keys.
2. **Remove the two tabs** situated next to the hinges. Keep these tabs and their screws safe for reinstallation later.
3. Grip the panel securely with both hands and slowly **slide it to the right**.
4. Once the pins disengage from the hinge, carefully pull the panel away from the backbox.



Re-attachment: When re-attaching, hold securely, align pins with hinge holes, and slide to the left before securing the tabs.

Rough Opening Requirements

For masonry or recessed installations, ensure the rough opening matches the exact dimensions indicated below. If replacing legacy hardware (e.g., Doorking), utilize existing pre-punched holes or prepare new knockout locations as required.



Backbox Mounting Sequence

1. **Prepare Knockouts:** Determine mounting screw locations. Punch out existing knockout areas on the backbox or drill new holes if mounting directly to a pedestal or custom surface.
2. **Feed the Wires:** Thread the network and access control harness through the center access hole of the backbox.
3. **Secure the Box:** Attach the backbox firmly and perfectly level to the stand or wall structure. Ensure a watertight seal around the perimeter if exposed to direct rain.

VAK Intercom Wire Connectors

The VAK series utilizes an integrated pigtail harness for power, relays, and inputs. Reference the color code below for proper termination. Note: Wire colors may vary slightly depending on hardware production version; always follow the physical labeling tag on the wire itself if a discrepancy exists.

VAK Intercom Wire Connectors

UBS Port for Diagnostic Purposes

Unit Power Input

Ethernet Port

Marking	Wire Color (may vary with version)	Function	Remarks
GND	White/Black	Ground Connection	for pairing with BUT, SEN or AL
BUT	White/Red	Request to Exit	contacting ground triggers the relay
SEN	Brown	Sensor Connection	such as for door monitoring and motion sensor
AL	Yellow/Orange	Signal (such as alarm) Input	for alarm signal input
NO	Yellow/Black	Normally closed	
COM	Yellow/Green	Common on the relay	
NC	Yellow/Red	Normally open	
485B	Purple	485 output	for EntryOne elevator control board
485A	Gray	485 output	for EntryOne elevator control board
D1	Yellow	Wiegand 34 output	
D0	Orange	Wiegand 34 output	
GND	Black	Ground	

The device includes a dedicated USB port used strictly for factory diagnostic purposes. Do not connect standard peripherals.

Network Hierarchy

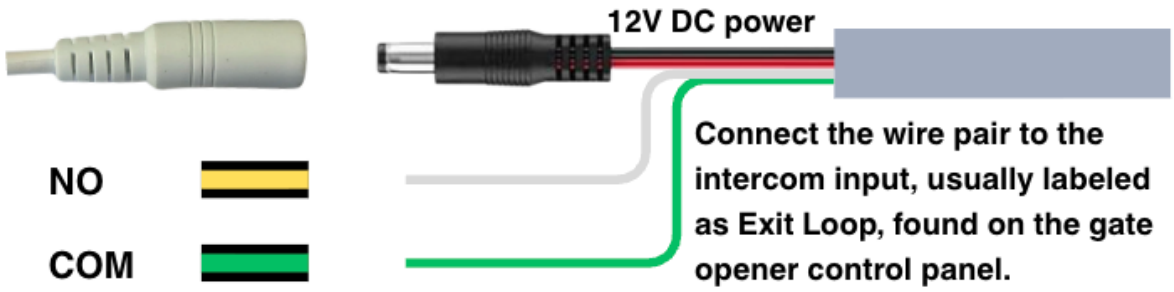
The VAK series accommodates connectivity via Ethernet, WiFi, or 4G LTE. The system utilizes automatic failover following this strict hierarchy to ensure the unit remains online:

ETHERNET → WIFI → 4G LTE

Only the VAK10 model can operate solely on 4G and can be shipped with an active SIM card, completely bypassing site-provided IT networks.

4G Standalone Minimum Wiring

When running purely on cellular, the essential physical wiring requires only a **4-conductor cable**. This setup supplies local power and routes the dry-contact relay directly to the gate/door controller.



Safety Warning: Ensure all unconnected pigtail wires are trimmed and appropriately capped to prevent accidental shorts against the stainless steel backbox enclosure.

Connecting and Verifying

Once the VAK10 is powered on, it will automatically seek an internet connection (via Ethernet/WiFi/4G) and establish a secure TLS tunnel to the AWS cloud.

1. **Verify Online Status:** Log into the EntryOne Portal. Navigate to the facility page and click on the *Status* section. The device should display an "Online" indicator in green.
2. **Test Relay Actuation:** From the portal, click **"Remote Unlock"** for the device. You should hear an audible chime at the kiosk, and the physical lock/gate should activate.
3. **Test Intercom Call Routing:**
    - In the portal, navigate to *Device Users* → *Add User*.
    - Select an affiliation (e.g., Vendor) and input your cell phone number.
    - Wait roughly 3 minutes for the cloud directory to sync.
    - Locate your name on the VAK10 touch screen and initiate a call to test audio/video routing.
4. **Test Modalities:** Attempt entry using a PIN code, a scanned QR guest pass, and BLE smartphone key. Finally, check the *Entry Records* page in the portal to confirm the events and audit photos were successfully logged.

Limited Hardware Warranty (3 Years)

EntryOne warrants that each device will be free from defects in materials and workmanship for a period of three (3) years from the date of shipment. This applies under normal use and installation in accordance with published documentation.

During the warranty period, EntryOne will, at its option, repair or replace any unit that fails due to manufacturing defect. Replacements may consist of new or refurbished units at EntryOne's discretion.

This warranty does not cover damage resulting from:

- Improper installation, wiring, or maintenance.
- Exposure to severe electrical surges or environmental extremes beyond IP65 limits.
- Unauthorized physical repairs, modifications, or third-party firmware changes.
- Use with non-certified power supplies or unsupported accessories.