



VERTU



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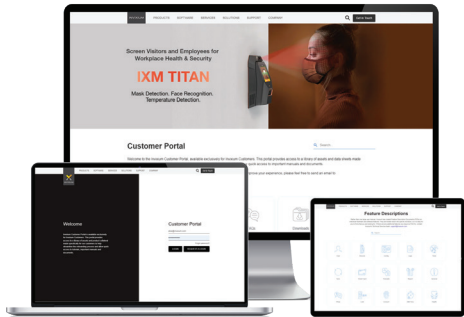
Quick Start Guide

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In the Box



Wall Mounting Screws
(qty 2)



Security Screws
(qty 2)



120 Ohm Resistor
(qty 1)



Dolphin Crimps
(qty 10)



Metal Mounting
Plate



Hex Key

Installation Best Practices

In order to ensure long lasting operation of the product, ensure the following best practices during installation.

- 1 Install the product in a place without any direct sunlight, UV light, dust, or soot.
- 2 Install the product in a well-ventilated and cool place away from direct sunlight to prevent overheating when installing it outside.
- 3 When installing multiple products in the same area, maintain the minimum distance between products. Keep 30 cms distance between devices to avoid RF interference. When using Invixium's digital card, keep 1 meter distance between devices to avoid BLE interference.
- 4 Even though the product is IP67 rated, it is recommended to use an enclosure or an overhang when the product is installed outside.

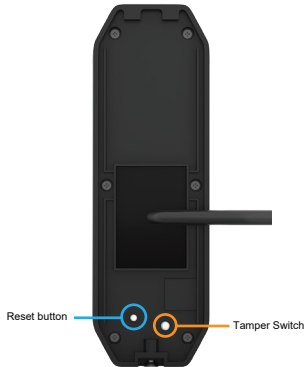


Reset and Tamper

The device can be reset to factory default settings via the VERTU configuration app or the reset button at the back of the device. To reset using the physical button, follow the steps below:

- 1 Power on the Device.
- 2 After boot-up, press the reset button three times quickly.
- 3 When the green LED is blinking, wait for device to reboot.

Tamper is activated when the device is removed from the mounting plate.











Getting Started

- 1 Remove the Mounting Plate, screws and all accessories from the box.
- 2 Install the Mounting Plate at the desired location using the 2 Wall Mounting screws.
- 3 Make the necessary connections to the wires on the back of the device (refer [Get Wired Page](#)).
- 4 Hang your device on the Mounting Plate and secure it on the bottom with the security screw.
- 5 Power the device using a safety tested, FCC/IC/CE certified, IEC/EN 62368-1 approved power adaptor providing up to 12 VDC @ 300 mA or directly from the access control panel.

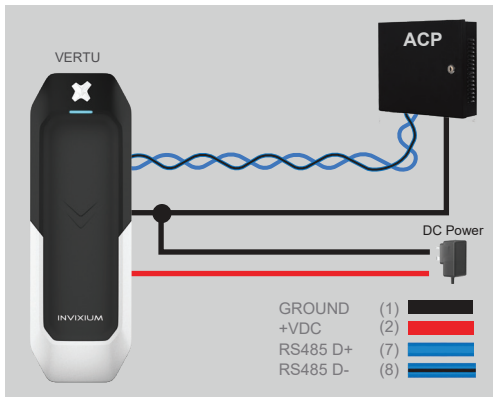


Get Wired

Wire Color	Wire	Label	Pin(s)	Wire Color	Wire	Label	Pin(s)
Black		GROUND	1	Blue		RS485 D+	7
Red		+VDC	2	Blue/Black		RS485 D-	8
Orange		BUZZER	3	White		WIEGAND D1	9
Brown		LED GREEN	4	Green		WIEGAND D0	10
Gray		LED BLUE	5	Purple		TAMPER OUT	11
Yellow		LED RED	6	Green/Yellow		EXTERNAL INPUT	12

RS-485 Configuration

- 1 For RS-485 networks, ensure that IXM devices are wired in a daisy chain configuration using AWG24 twisted pair cable.
- 2 With a RS-485 daisy chain, connect the termination resistor (120 Ω) to both ends of the daisy chain connection.
- 3 At a baud rate of 9600 bps, ensure that the maximum cable length is not longer than 1200 m (4000 ft).



Wiegand Connections

Power Connections

GROUND (1)  (1)
+VDC (2)  (2)

Feedback Connections

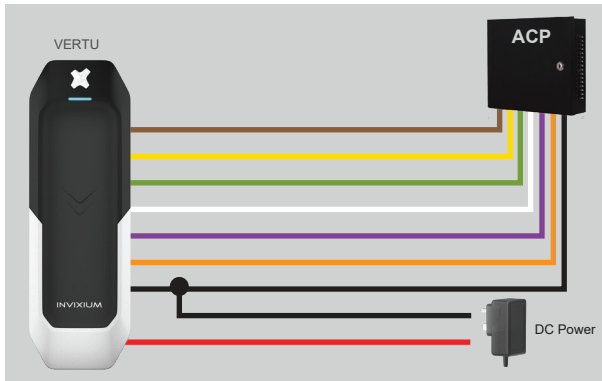
LED GREEN (4)  (4)
LED RED (6)  (6)

Wiegand Connections

WIEGAND D1 (9)  (9)
WIEGAND D0 (10)  (10)

Output Connections

BUZZER (3)  (3)
TAMPER OUT (11)  (11)



Card Placement

The location of the card reader on Invixium devices depends on the product model.

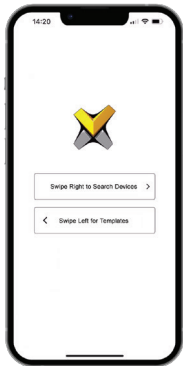
For VERTU, the card reader is located at the centre of the device, below the LED.



VERTU Card Placement

App Installation & Device Configuration

- 1 IXM VERTU can be configured using a mobile app. To download the app, go to the App store or the Google Play Store and download the IXM VERTU App.
- 2 Open the app and go to Search devices to configure a device. Create a password when configuring the device for the first time. This password will be used to access the device for future configurations.
- 3 Select a device to configure the various settings (RS485, Wiegand, Card layout, LED color, Buzzer, etc.) and tap on Apply to save the settings.
- 4 Create preconfigured templates for devices for ease of use.
- 5 Contact your local reseller for any technical issues.



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For technical or customer support issues, please contact your local seller first.

Visit the Customer Portal for more Invixium resources at www.invixium.com/support



Contact Invixium Support at:

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