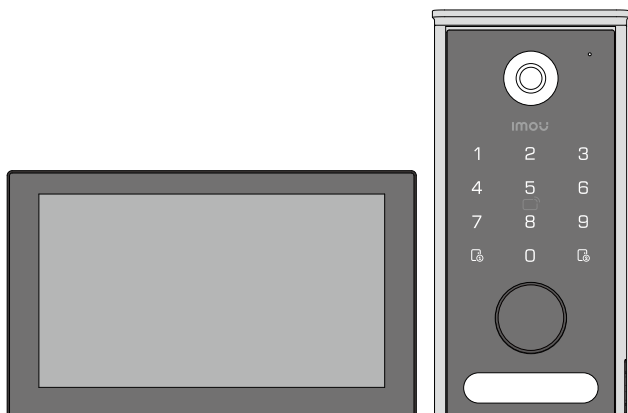




Smart Home 2-Wire Video Doorphone

User Manual

V1.0.0



Contents

Safeguards and WARNING

Read Before Use

Video Tutorials

Get Imou Support

Package Contents

Overview

Setup Wizard

Local Setup

App Features

Safeguards and WARNING

The following signal words might appear in the manual.

Signal Words	Meaning
 WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
 NOTE	Provides additional information as a supplement to the text.

- You should only use this product with a voltage between: 100 – 200 Volts and 50 – 60 hertz.
- Never attempt to use this device with a different voltage.
- Ensure that all the system's electrical connections conform to the instructions for use.
- Do not connect the power adapter to the device while the adapter is powered on.
- Do not connect the device to two or more kinds of power supplies, to avoid damage to the device.
- Personnel working at heights must take all necessary measures to ensure personal safety including wearing a helmet and safety belts.
- Check whether the power supply is correct before use.
- Do not unplug the power cord on the side of the device while the adapter is powered on.
- Install the device in a well-ventilated place, and do not block its ventilation.

Read Before Use

It is recommended to watch all the tutorial videos and read the Safety Guidelines before using for the first time. Make sure to review the User Manual before using for the first time and refer to this User Manual for more information.

Video Tutorials

Tap the link below or scan the QR code to watch tutorial videos, which demonstrate how to use the product:



<https://www.imou.com/en/product-info/gatekeeper>

Get Imou Support

For more information about warranty, technical support and FAQs, please visit <https://www.imou.com/support> or contact us by scanning the below QR code or email us at service@imou.com.

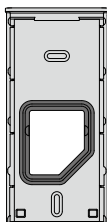


-  service@imou.com
-  [+861052852266](tel:+861052852266)
-  <https://www.imou.com>

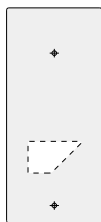
01 Package Contents



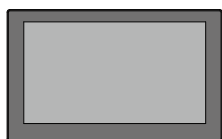
Door Station
(VTO)
× 1



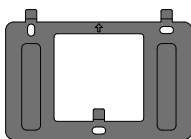
Wall Mounting Bracket for VTO
(Pre-installed)
× 1



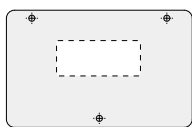
Drilling Template
for Door Station
× 1



Indoor Monitor
(VTH)
× 1



Wall Mounting
Bracket for Monitor
× 1



Drilling Template
for Monitor
× 1



Screw Pack
× 2



Wire Connector Pack
× 1



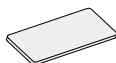
Female Wire Harness
× 2



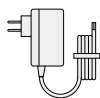
L-shaped Wrench
× 1



Name Tag
× 2



Card
× 3



Power Adapter
× 1



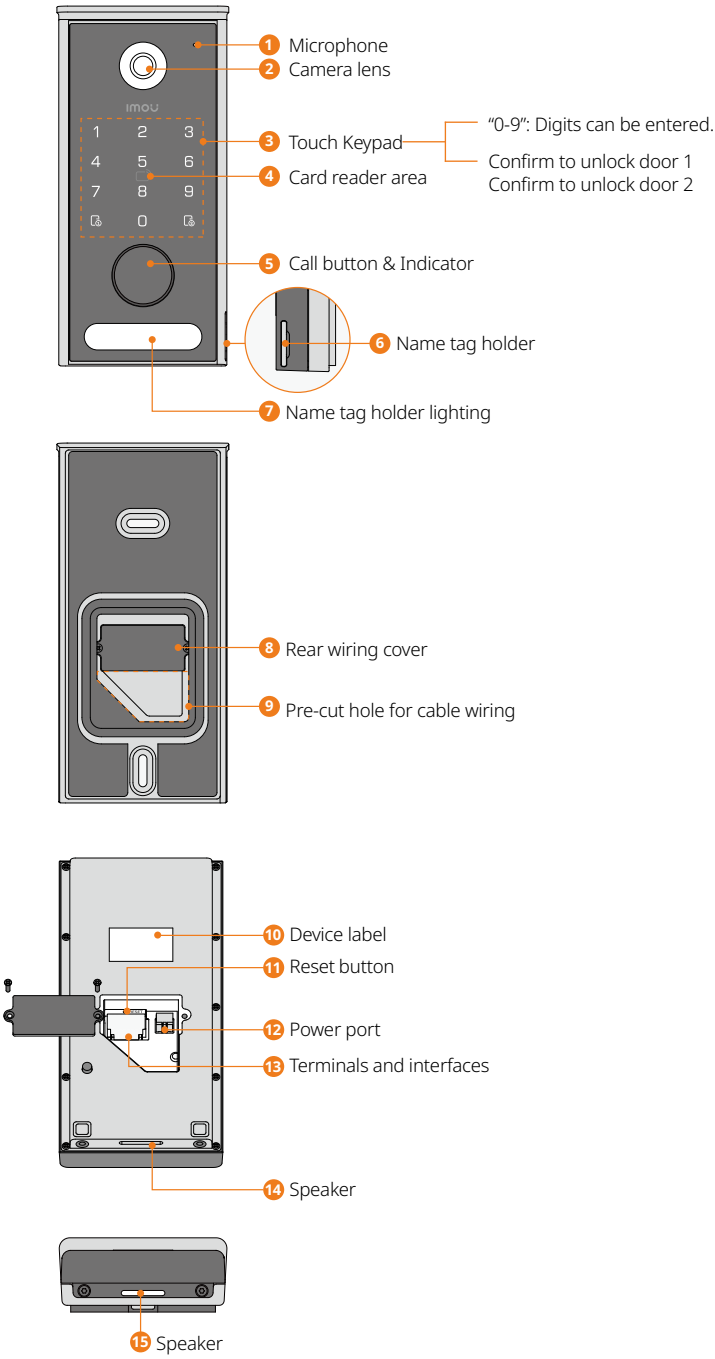
Quick Start Card
× 1



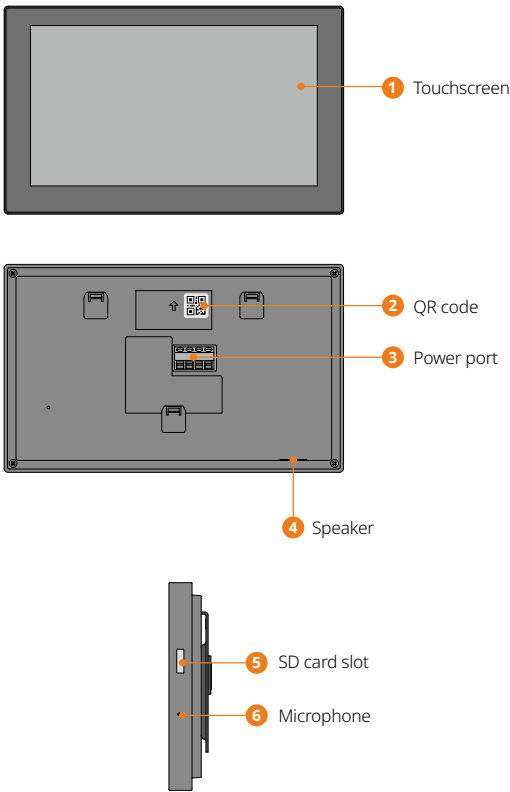
Regulatory Information
× 1

02 overview

Door Station (VTO)



Indoor Monitor (VTH)



03 Setup Wizard

Follow the steps to set your intercom system:

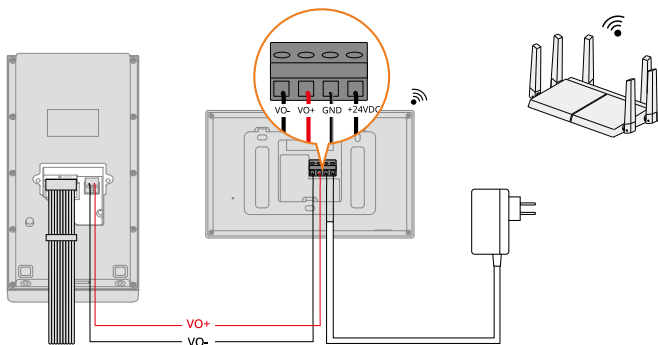
1. Get the Imou Life app, and log in to your app account.
2. Wiring your system.
3. Install the VTO and the VTH.
4. Add the device to your account.

3.1 Configure Network

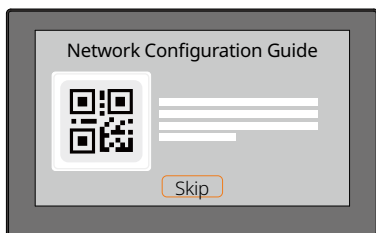
- 1 Search for and download the “Imou Life” app from the app store on your mobile devices.
- 2 Open the app, follow the on-screen guide to create your account. If you already have an account, use it to log in.



- 3 Make sure the VO+ cable and VO- cable from the VTO are connected to the corresponding terminals on the VTH. Connect the gray and black negative head to GND port and the black positive head to +24 VDC port and tighten the screws on top of the latch.



- 4 Follow the on-screen wizard to connect the monitor to the network.
- 5 Open the Imou Life app, tap “+” on the upper-right corner on the home page.
- 6 Scan the QR code on the screen of the monitor.



- 7 Follow the in-app instructions to add the device to your account.

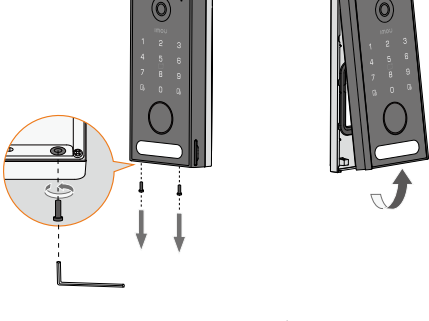
3.2 Install the Door Station (VTO)

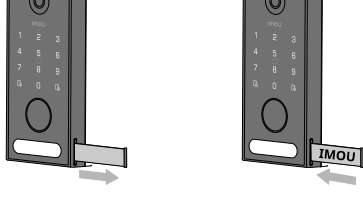
- i

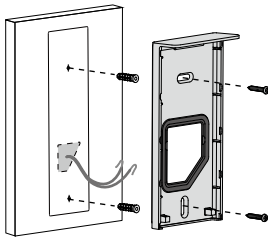
Note
- Confirm the chosen installation site receives reliable Wi-Fi signal.
 - If you need to test the product before installation, it is recommended to keep the devices apart and do not place them face-to face to avoid echo or noise.
 - Do not point the VTO at direct sunlight or a reflective surface.
 - For optimal connectivity, we recommend placing the door station within 100 m (328 ft) of the indoor monitor.

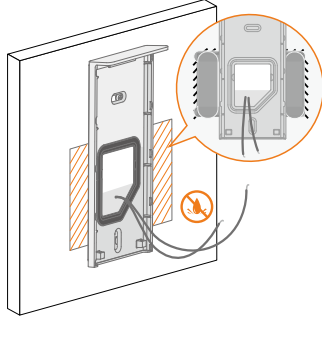
Cable Specification	Supported Transmission Distance
φ 0.5 mm ²	0 - 65 m (0 - 213.3 ft)
φ 0.75 mm ²	65 - 120 m (213.3 - 393.7 ft)
φ 0.5 mm ²	> 200 m (656.2 ft, if the VTO does not power the lock)

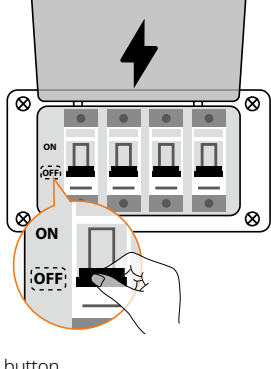
- 1

Locate and remove the screws at the bottom of the device. Remove the VTO by gently tilting it forward and lifting it away from the mounting base.
- 
- 2

Take out the name tag. Write your name on it, then re-insert it.
- 
- 3

Recommended mounting height: 160 cm (5.25 ft) from the ground. Use the included mounting template to drill holes and insert the provided expansion screws. Take the wires through the holes of the mounting template. Align and secure the mounting base with the supplied screws.
- 
- !

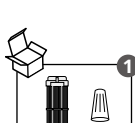
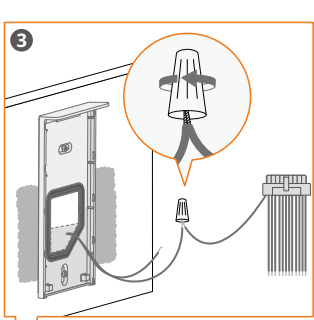
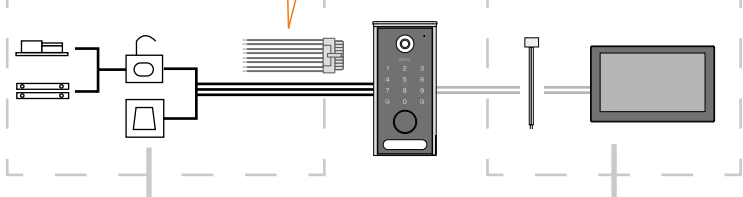
If the pre-cut wall opening is larger than the waterproof gasket's dimension, make sure to seal the hole around the gasket to prevent water infiltration.
- 
- 4

Turn off the power.
- 
- 5

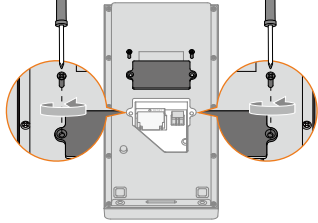
Wiring with door lock, or exit button.
- 1

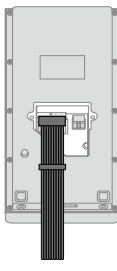
Take out the wire harness and connector nuts from the package.
- 2

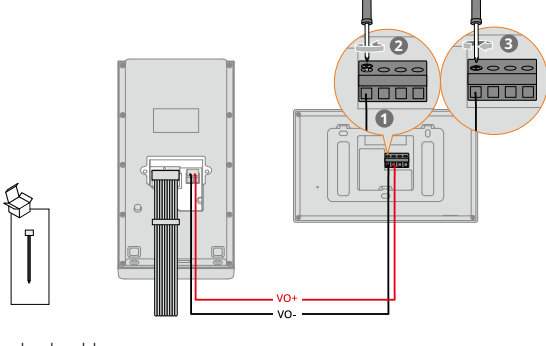
Tap to see [Wiring Guide](#) and connect the appropriate wires to other products accordingly.
- 3

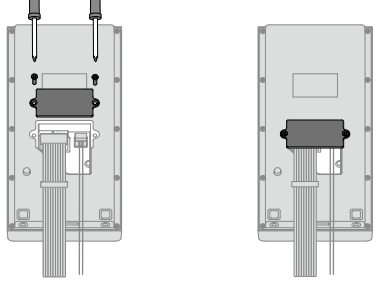
Twist matching wires together and secure each connection with a connector nut.
- 
- 
- 
- 2

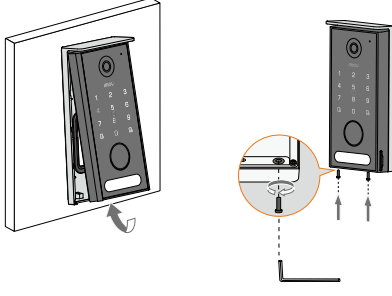
Refer to Wiring Guide
- Refer to Chapter 3.2 Step 8
- 6

Use a proper sized Phillips screwdriver to unscrew the back cable cover. Keep the screws and the cover safely for reassembly.
- 
- 7

Insert the wire harness into the terminal.
- 
- 8

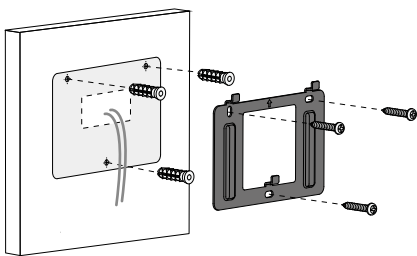
Connect the door station's VO+ wire to the monitor's VO+ terminal.
- 
- 9

Reinstall the back cable cover.
- 
- 10

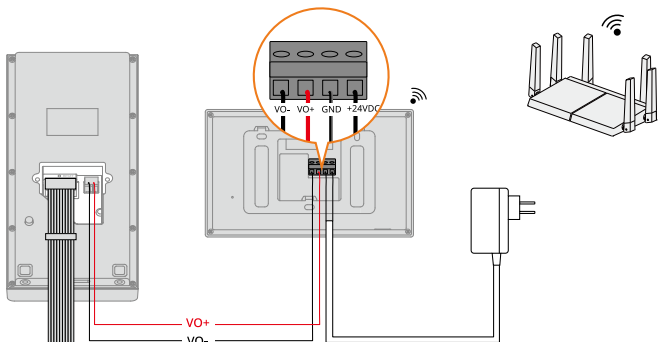
Organize the wires and mount the door station by hooking it over the mounting base and pushing it down. Then, reinstall and tighten the screws at the bottom with the supplied L-shape wrench.
- 

3.3 Install the Indoor Monitor (VTH)

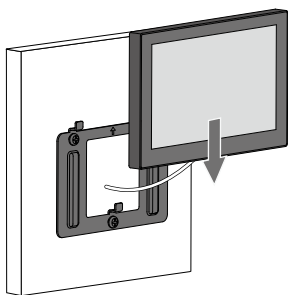
- 1** Recommended mounting height: 160 cm (5.25 ft) from the ground. Use the included mounting template to drill holes and insert the provided expansion screws. Take the wires through the holes of the mounting template and the mounting bracket, then fix the bracket with the included screws.



- 2** Make sure the VO+ cable and VO- cable from the VTO are connected to the corresponding terminals on the VTH. Connect the gray and black negative head to GND port and the black positive head to +24 VDC port and tighten the screws on top of the latch.



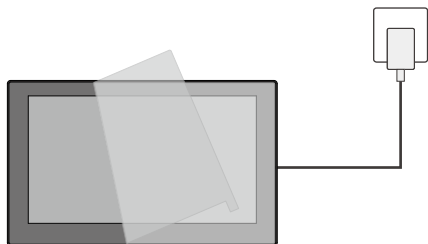
- 3** Mount the monitor onto the bracket from top down.



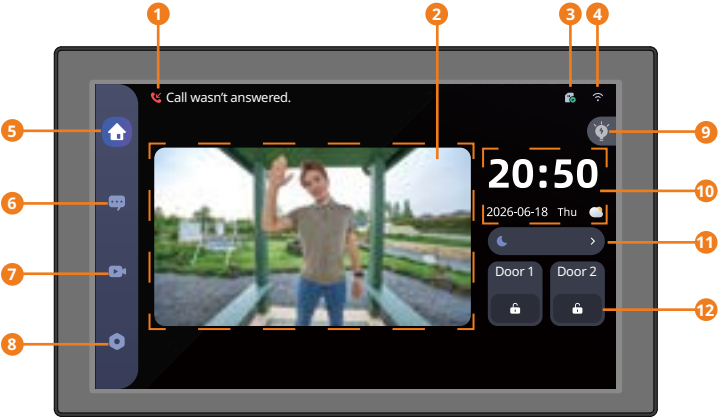
- 4** (Optional) Insert a Micro SD card (purchased separately) into the SD card slot, located on the right side of the monitor.



- 5** Remove the protective film from the screen and plug it in.



04 Local Setup



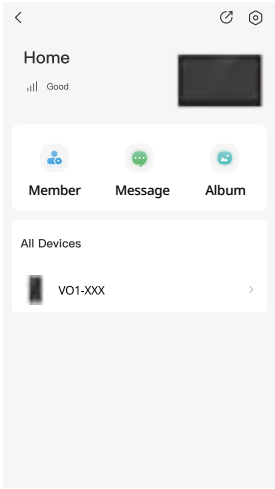
NO.	Icon	Description
1	Call logs	Missed calls notifications.
2	Preview	Tap to watch the live view.
3	SD card status	Changes depending on device's storage status of the memory card.
4	Network signal	Demonstrate the network connection status.
5	Home	Home page icon.
6	Messages	Tap to view unlock history, alarm messages and call records.
7	Recordings	Tap to view recordings and snapshots by date and types.
8	Settings	View or change device settings including DND schedules, ringtones, local storage and other basic settings, such as reset to pair VTO, re-pairing process, factory mode, firmware upgrade and .etc.
9	Screen lock	Tap to toggle screen on/off.
10	Time and date	Display time, date and weather conditions according to your preset location.
11	DND mode	Tap to enable/disable Do Not Disturb mode.
12	Unlock	Tap to unlock door.

05 App Features

 The app interface shown here is for reference only and may vary by version update. Please refer to the app you installed on your phone.

5.1 VTH Home Page

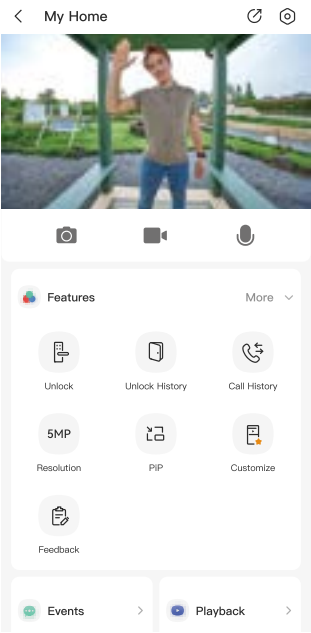
Once you completed the network configuration process, you may visit this page when you launch the Imou Life app.



Icon	Description
	Share. You can share your device to your family member or trusted people.
	Settings. You can check and change device settings.
	Members. You can add and manage members' information and respectively set their unlocking methods.
	Messages. View alarm notifications, device message, user operation logs, and more.
	Album. Browse and manage recordings, calls, and snapshots by date.
	All devices. Here lists all devices successfully paired to the VTH and allow you quickly access to them.

5.2 VTO Live View Page

In the VTO live view page, you can watch livestream, unlock the door, view unlock history, call history, set up resolution and more as you need.



Icon	Description
	Snapshot. Take a snapshot and save to the album.
	Records. Manually start/stop recording and save to the album.
	Two-way audio. Tap to start/end real-time two-way communication to the people at your door.
	Tap to unlock the door.
	View and manage unlock operations.
	View and manage call history from both VTH and the app.
5MP	Resolution. Set video resolution.
	View the live view displayed on top of other app you are using.
	Customize features displayed in this page.
	Send us your problems or advices when using the device.
	View all event recordings.
	View recordings stored in the cloud or in local memory card (if memory card is inserted).

5.3 Answering a Call from a VTO

The VTH and the app displays video feed and operating key from the VTO if all settings are configured properly. Tap  on the screen to answer, and  to unlock.

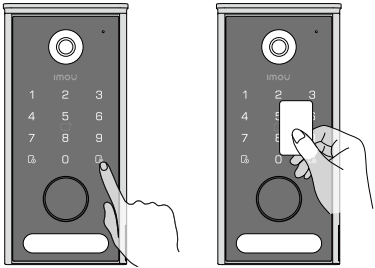


5.4 Three Unlocking Methods

 Make sure you have wired the door lock properly to the VTO, and the VTO is displayed in the app's home page.

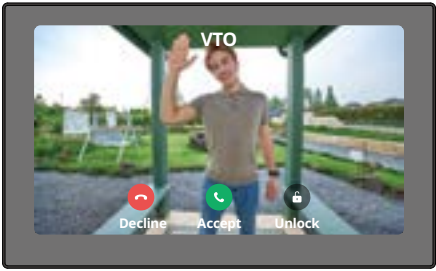
(1) Unlock the door via the VTO using passcode or card

Go to the VTH device page to add up to 100 members and enable password and/or card unlocking for one or both locks.



(2) Unlock the door via the VTH

The VTH displays video feed and operating key from the VTO if all settings are configured properly. Tap  on the screen to answer, and  to unlock.



(3) Unlock the door via the Imou Life app

Go to the VTH live view page, tap  to unlock the door.

Wiring Guide

⚠ WARNING

- Before initiating wiring operations, please read the following safety statements carefully.
- Incorrect wiring may cause permanent device damage, lock malfunction, or severe personal safety incidents.
- Cut off all relevant power sources (including VDP device and lock power) before operation.
- Do not directly drive locks exceeding the VDP relay rated load (36 VDC, 2A) to prevent relay burnout.
- For lock with an external independent power supply, ensure that the door lock's operating voltage is within 12 VDC 1 A.

1 Confirm the lock type

Check the lock's nameplate labels or operate the below "Power-Off Test Method".

i Power-Off Test Method:

Disconnect lock power.

- If the door unlocks automatically, it is a NC Lock (Fail-Safe).
- If the door remains locked, it is a NO Lock (Fail-Secure).

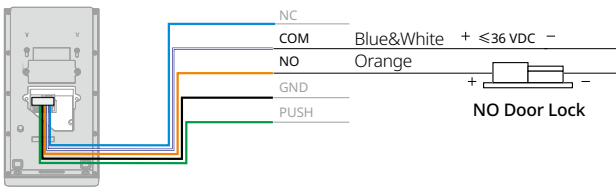
2 Interface definition

Interface	Color	Description
NC	Blue	Normally Close, connect to the negative side of the NC lock.
NO	Orange	Normally Open, connect to the negative side of the NO lock.
COM	Blue & White	Common, connect to the positive side of the power supply.
PUSH	Green	Exit button, connect to the exit button.
+12V_OUT	Red	Power output
GND	Black	Ground

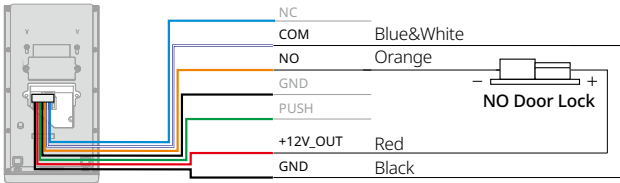
3 Wiring Diagram

A Fail-Secure or Normally Open (NO) Electric Strike Door Lock

A-1 With Independent Power Supply

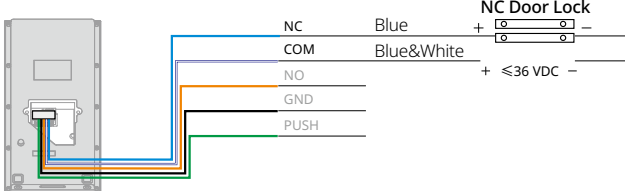


A-2 Powered Directly by the VTO

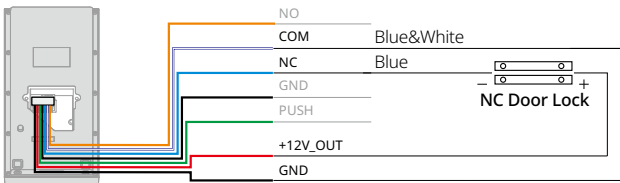


B Fail-Safe or Normally Closed (NC) Electromagnetic Door Lock

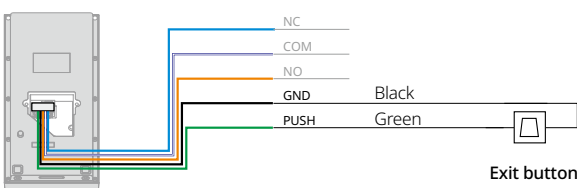
B-1 With Independent Power Supply



B-2 Powered directly by the VTO



C Exit Button



imou