ZK*T*ECO

Quick Start Guide
ProFace X

Version: 2.0
Date: November 2025

Green
Label

1 Overview

Near-infrared Flash

Camera

Microphone

8-inch Touchscreen
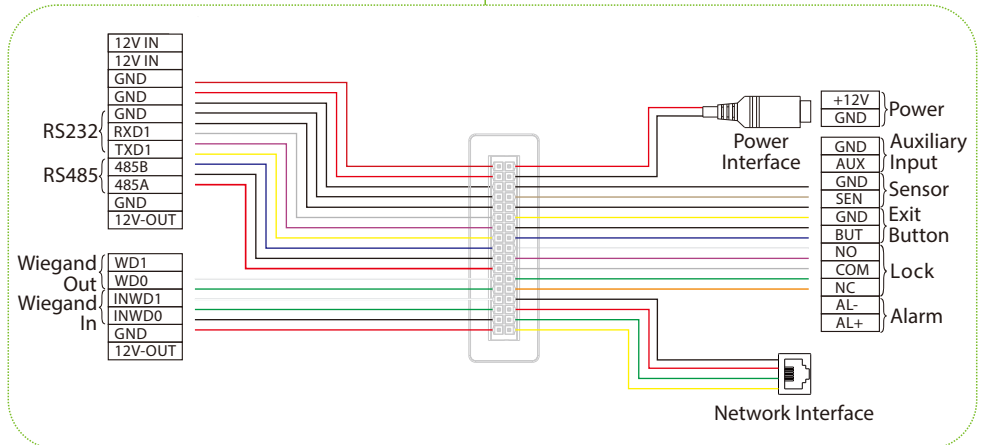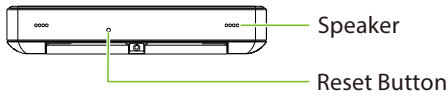
Tamper Switch
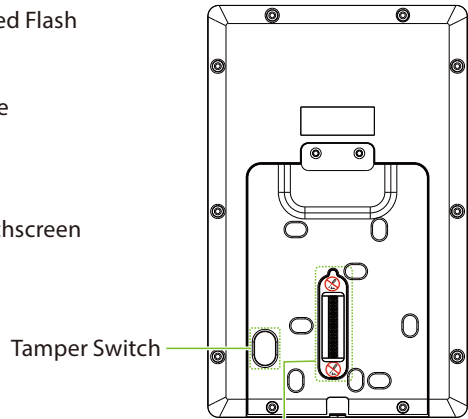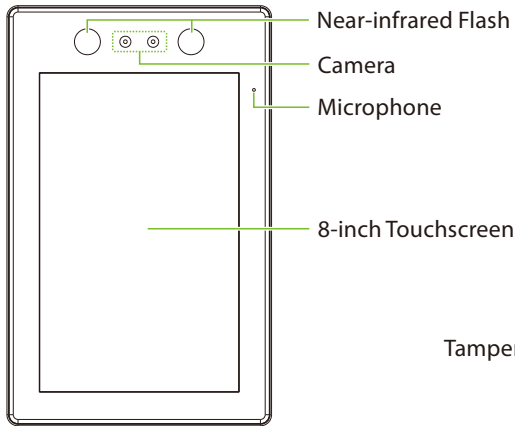
Note: To ensure the waterproof performance of the device, it cannot be disassembled here.

Speaker

Reset Button

12V IN	
12V IN	
GND	
GND	
GND	
RS232 { RXD1	
TXD1	
RS485 { 485B	
485A	
GND	
12V-OUT	

+12V / GND — Power

Power Interface

GND / AUX — Auxiliary Input

GND / SEN — Sensor

GND / BUT — Exit Button

NO / COM / NC — Lock

AL- / AL+ — Alarm

Wiegand Out { WD1 / WD0
Wiegand In { INWD1 / INWD0
GND
12V-OUT

Network Interface

2 Device Installation

❖ Installation Environment

Please refer to the following recommendations for installation.


KEEP DISTANCE

AVOID GLASS
REFRACTION

AVOID DIRECT
SUNLIGHT
AND EXPOSURE

AVOID USE OF
ANY HEAT SOURCE
NEAR THE DEVICE

❖ Install on the Wall

① Attach the mounting template to the wall and drill holes accordingly.

② Fix the back plate on the wall using the provided mounting screws.

③ Align and attach the device to the back plate.
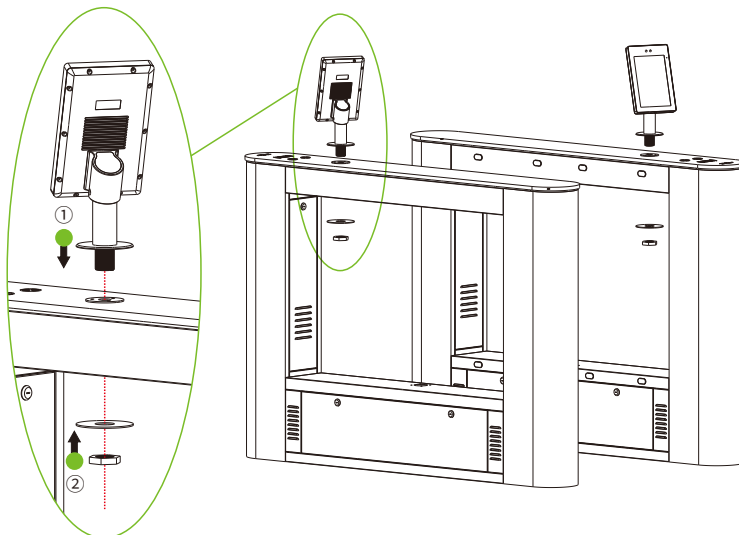
④ Tighten the security screw to lock the device in place.

1.5m

①
②
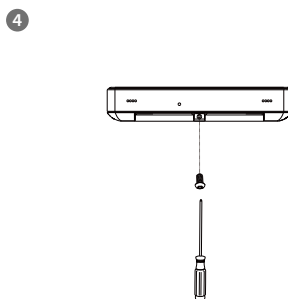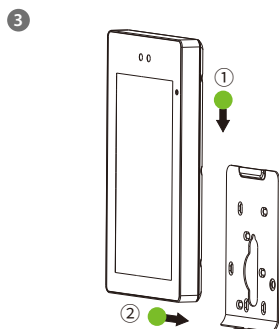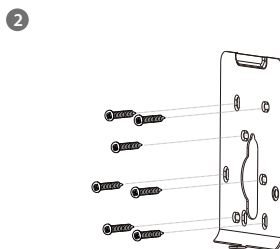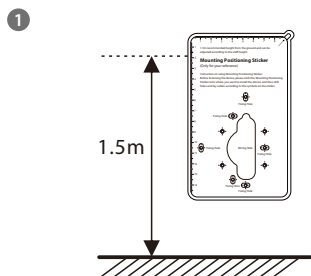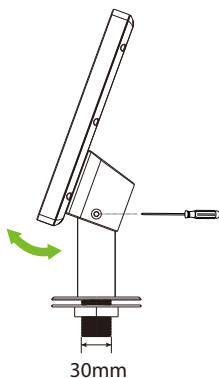
2 Device Installation

❖ Install on the barrier gate

Please thread the wire through the bracket before installation.

① Drill a hole on the barrier gate, insert the bracket into the hole and fix it with a nut.
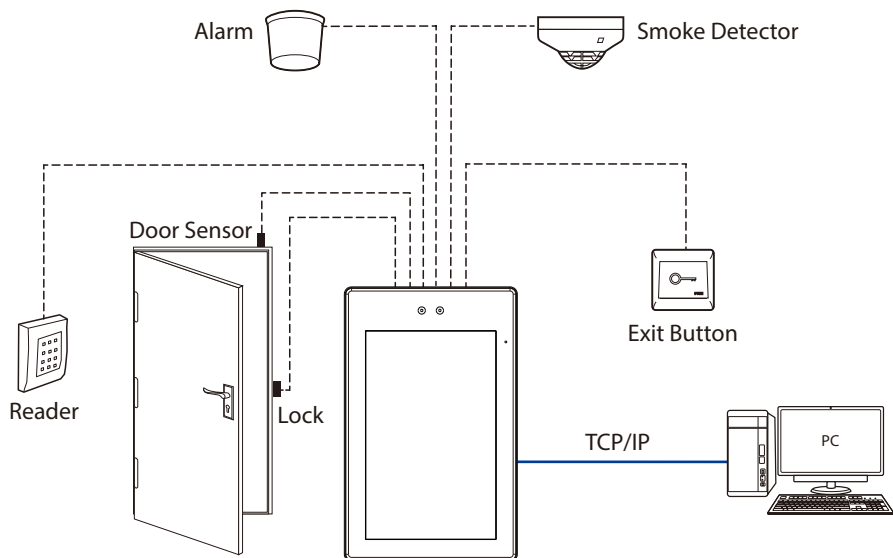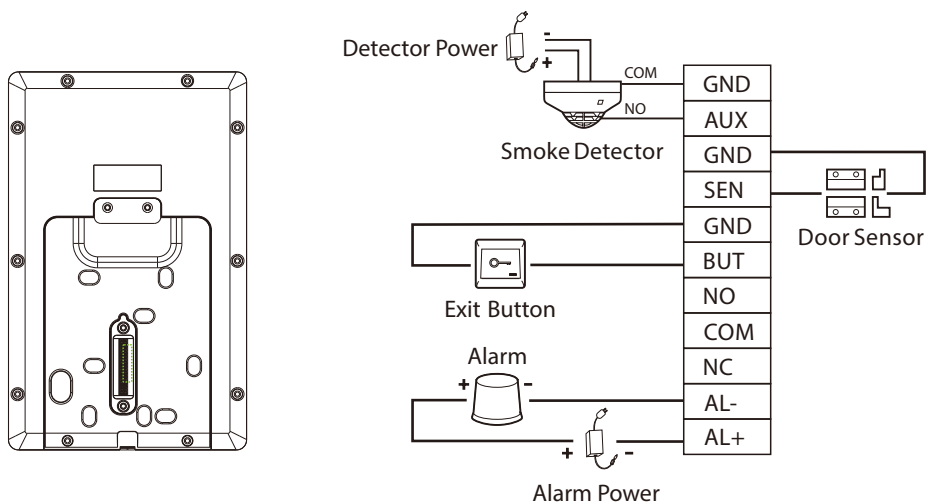
② Adjust the angle of the device.

30mm

3 Standalone Installation

Alarm — Smoke Detector

Door Sensor

Exit Button

Reader — Lock

TCP/IP — PC

4 Door Sensor, Exit Button & Alarm Connection

Detector Power

Smoke Detector

COM — GND
NO — AUX
GND
SEN
GND — Door Sensor
BUT
NO
COM
NC
AL-
AL+
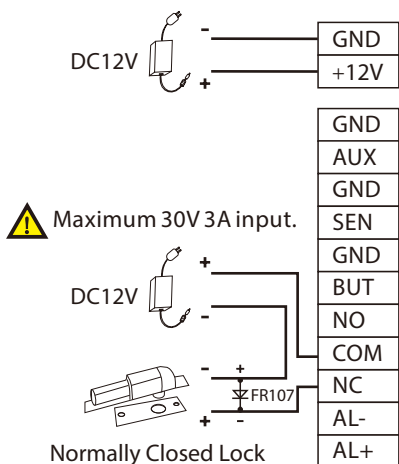
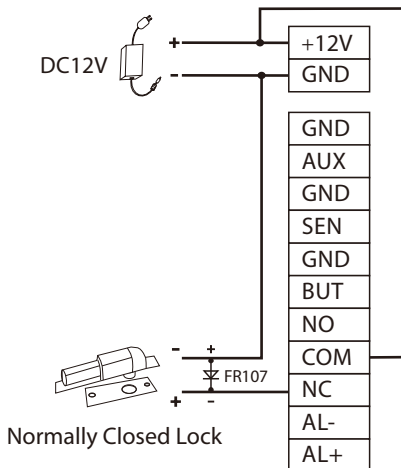Exit Button

Alarm

Alarm Power

4

5 Lock Relay Connection

The system supports **Normally Opened Lock** and **Normally Closed Lock**.
The **NO LOCK** (normally unlocked when power-on) is connected with '**NO**' and '**COM**' terminals,
and the **NC LOCK** (normally locked when power-on) is connected with '**NC**' and '**COM**' terminals.
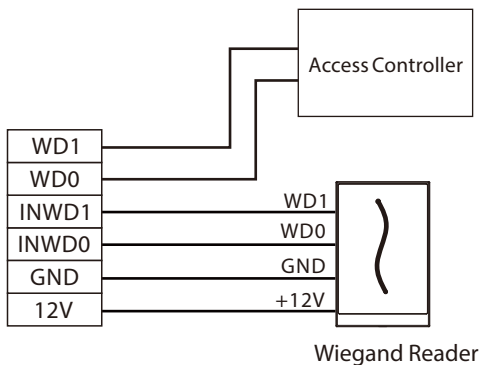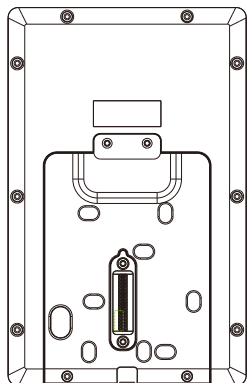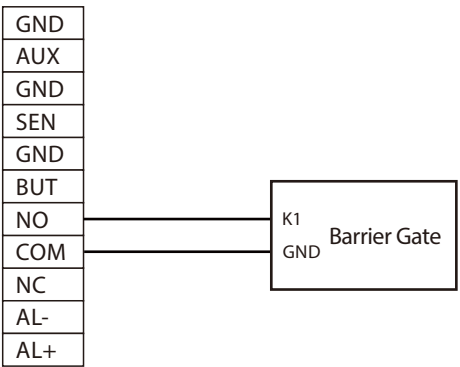Take NC Lock as an example below:

1) Device not sharing power with the lock

DC12V — GND / +12V

GND
AUX
GND
SEN
GND
BUT
NO
COM
NC
AL-
AL+

⚠ Maximum 30V 3A input.

DC12V

FR107

Normally Closed Lock

⚠ Do not reverse the polarity.

2) Device sharing power with the lock

DC12V — +12V / GND

GND
AUX
GND
SEN
GND
BUT
NO
COM
NC
AL-
AL+

FR107

Normally Closed Lock

6 Wiegand Reader Connection

Access Controller

WD1
WD0
INWD1
INWD0
GND
12V

WD1
WD0
GND
+12V

Wiegand Reader

7 Barrier Connection

GND	
AUX	
GND	
SEN	
GND	
BUT	
NO	K1
COM	GND Barrier Gate
NC	
AL-	
AL+	

8 RS485 Connection

12V IN	
12V IN	
GND	
GND	
GND	
RXD1	
TXD1	
485B	485-
485A	485+
GND	GND
12V-OUT	+12V

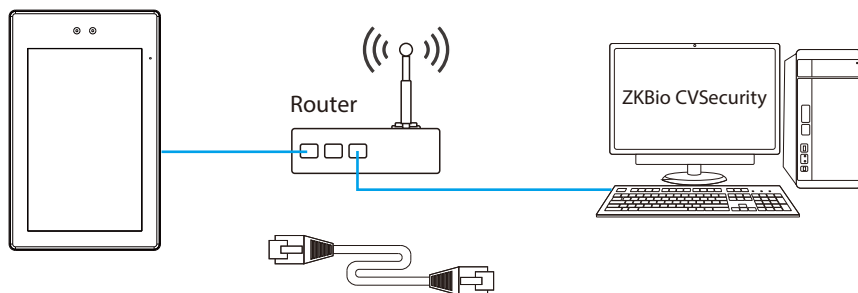RS485 Reader
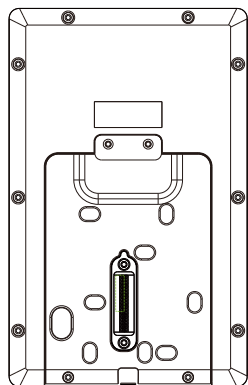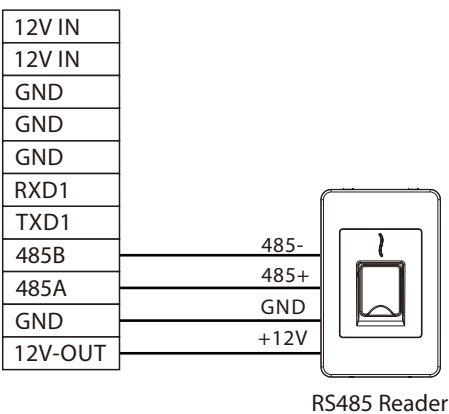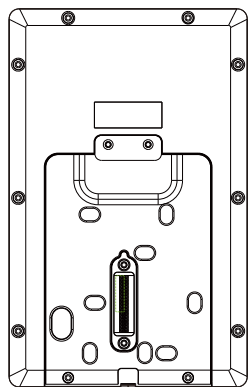
9 Power Connection

DC 12V, 3A
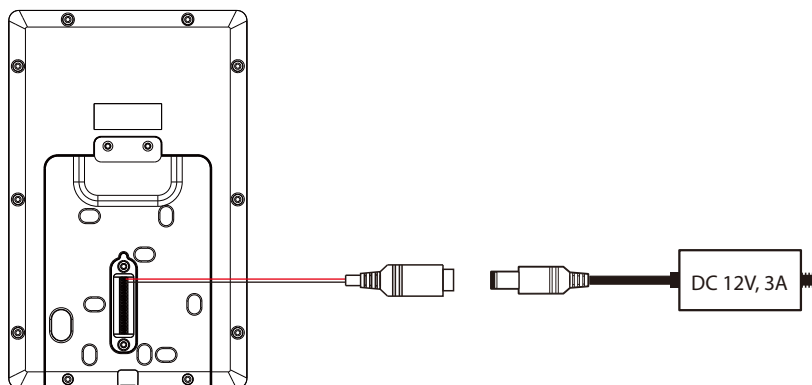
- Recommended AC Adapter**: 12V - 3A**
- To share the power with other devices, use a power supply with a higher current ratings.

10 Ethernet Connection

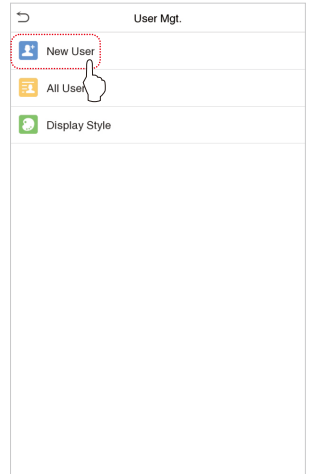Connect the device and computer software over an Ethernet cable. An example is shown below:
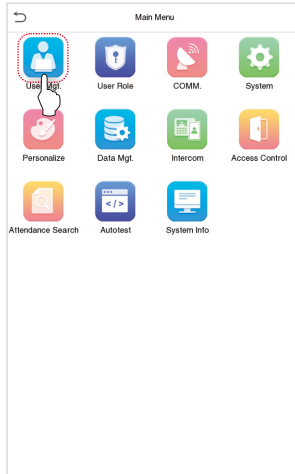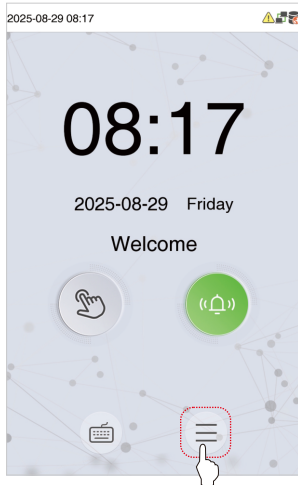

Router

ZKBio CVSecurity

Enter [**COMM.**] > [**Ethernet**] to set the relevant parameters of network.

11 **User Registration**

When no super administrator is configured on the device, click ≡ to access the menu. After a super administrator is set, the system will require administrator verification before entering the menu. For security purposes, it is recommended to register a super administrator when using the device for the first time.

Method 1: Registering on the device

Click ≡ > [**User Mgt.**] > [**New User**] to register a new user. Configure the following settings: enter the user ID and name, register the user's face, set a password, upload a user photo, and assign both the user role and access control role.
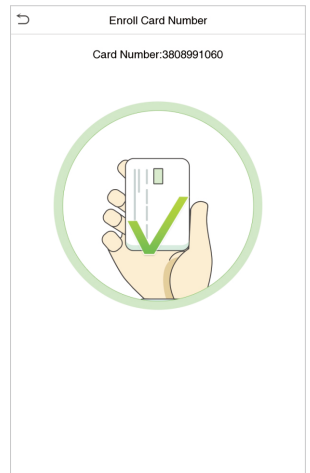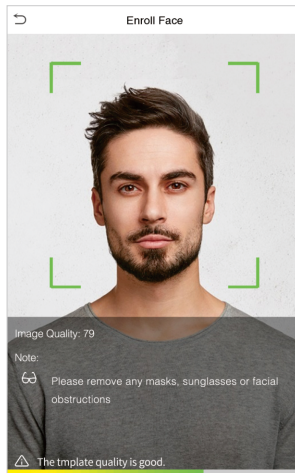
Method 2: Register on ZKBio CVSecurity software

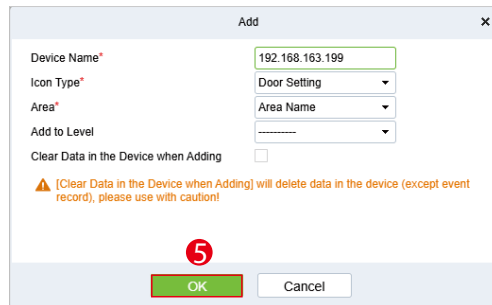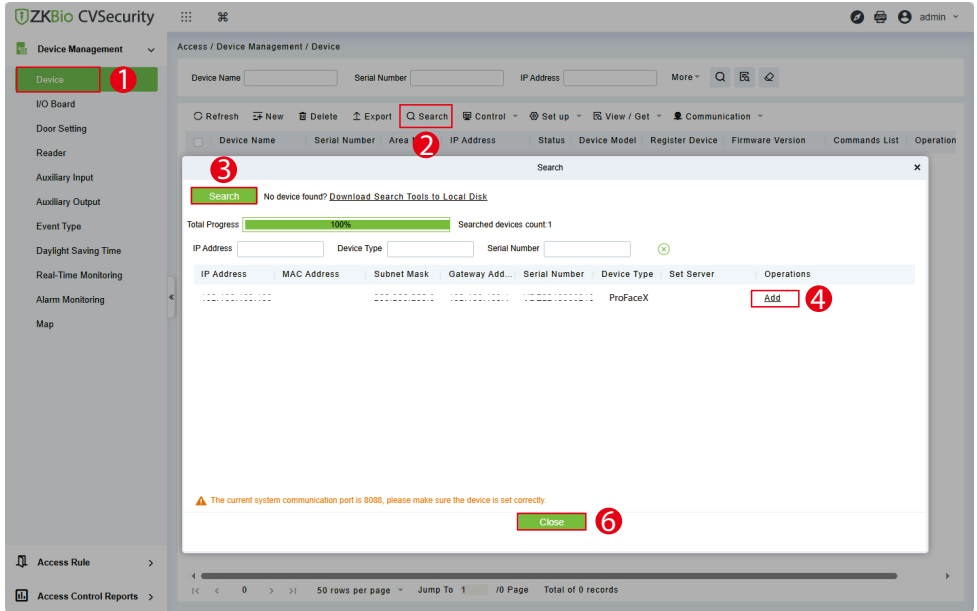Please set the IP address and cloud service server address in the **COMM.** menu option on the device.

1. Click [**Access**] > [**Device Management**] > [**Device**] > [**Search**] > [**Search**] to search the device on the software. When the device has set the server address and port, it can be added automatically.

2. Click [**Add**] in operation column, a new window will pop-up. Select Icon type, Area, and Add to Level from each dropdowns and click [**OK**] to add the device.
3. Click [**Personnel**] > [**Person**] > [**New**] and fill in all the required fields to register a new users in the software.
4. Click [**Access**] > [**Device**] > [**Control**] > [**Synchronize All Data to Devices**] to synchronize all the data to the device including the new users.
    For more details, please refer to the ZKBio CVSecurity User Manual.

Method 3: Register on the phone

Once the ZKBio CVSecurity software is installed, the users can enroll their face through a browser application on their own mobile phone.

1. Click [**Personnel**] > [**Parameters**], input "http://Server address: Port" in the QR Code URL bar. The software will automatically generate a QR code. Scan the QR code or login onto "http://Server address: Port/app/v1/adreg" by the mobile phone to register users.
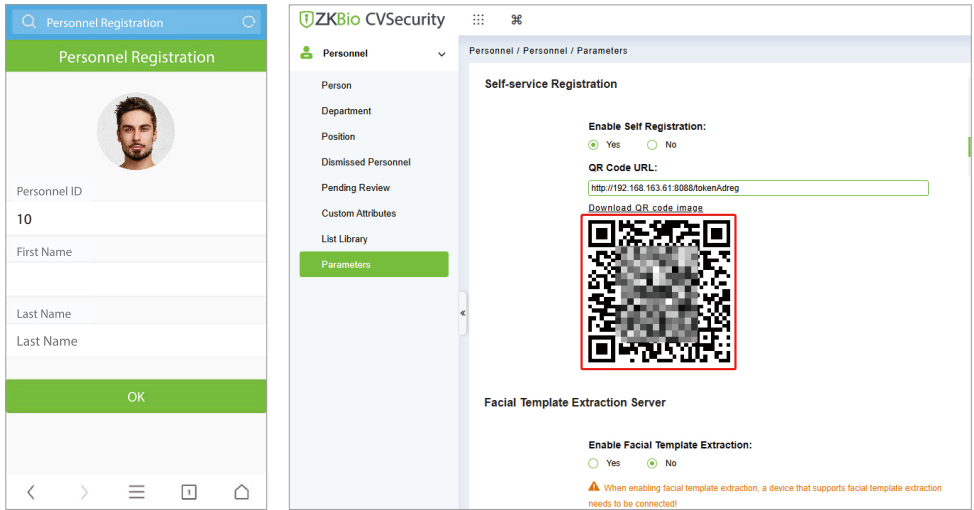
2. The users will be displayed in [**Personnel**] > [**Pending Review**].
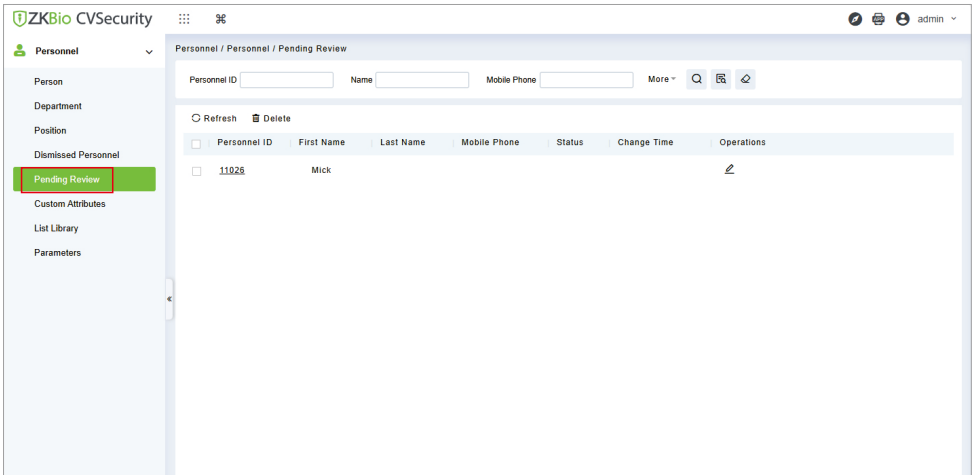
12 Access Control Settings

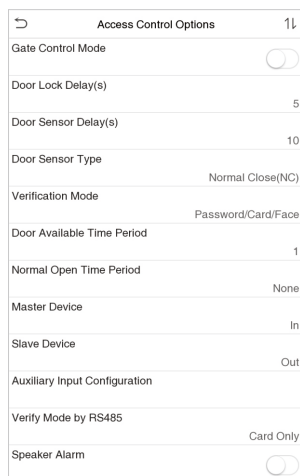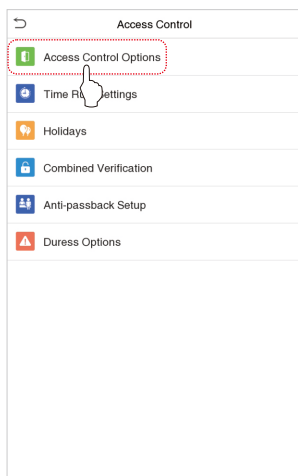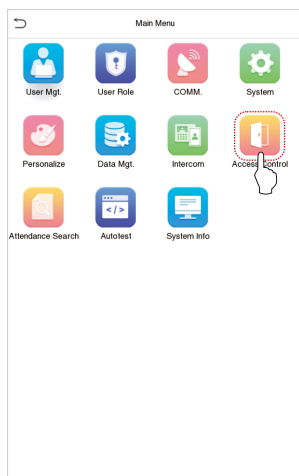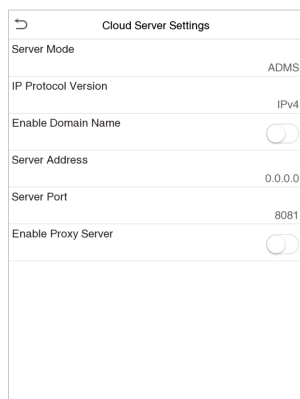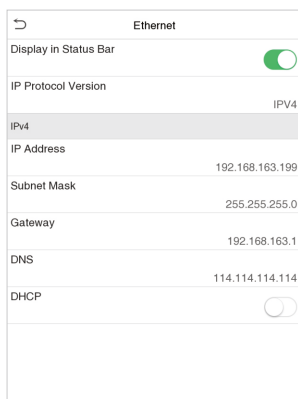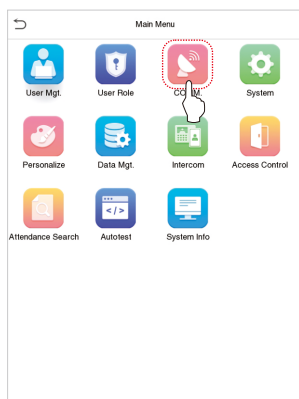Click on ☰ > [**Access Control**] to enter the access control management interface and set relevant parameters of access control.

⤺	Main Menu

User Mgt. | User Role | COMM. | System
Personalize | Data Mgt. | Intercom | Access Control
Attendance Search | Autotest | System Info

⤺	Access Control
🔲	Access Control Options
🕐	Time Rule Settings
🎉	Holidays
🔒	Combined Verification
🔁	Anti-passback Setup
⚠	Duress Options

⤺	Access Control Options	⇅

Gate Control Mode
Door Lock Delay(s) — 5
Door Sensor Delay(s) — 10
Door Sensor Type — Normal Close(NC)
Verification Mode — Password/Card/Face
Door Available Time Period — 1
Normal Open Time Period — None
Master Device — In
Slave Device — Out
Auxiliary Input Configuration
Verify Mode by RS485 — Card Only
Speaker Alarm

13 Ethernet and Cloud Server Settings

Click on ☰ > [**Comm.**] > [**Ethernet**] to set the network parameters. If the TCP/IP communication of the device is successful, the icon 🖧 will appear in the upper right corner of the standby interface.
Click on ☰ > [**Comm.**] > [**Cloud Server Setting**] to set the server address and server port (IP and port of the server post-installation). If the device successfully connects to the server, the icon 🗄 will appear in the upper-right corner of the standby interface.

⤺	Main Menu

User Mgt. | User Role | COMM. | System
Personalize | Data Mgt. | Intercom | Access Control
Attendance Search | Autotest | System Info

⤺	Ethernet
Display in Status Bar	⬤
IP Protocol Version	IPV4
IPv4	
IP Address	192.168.163.199
Subnet Mask	255.255.255.0
Gateway	192.168.163.1
DNS	114.114.114.114
DHCP	

⤺	Cloud Server Settings
Server Mode	ADMS
IP Protocol Version	IPv4
Enable Domain Name	
Server Address	0.0.0.0
Server Port	8081
Enable Proxy Server	

11

14 SIP Settings ★

This section describes the application methods of Video Intercom using a **Local Area Network (LAN)** and a **Cloud SIP Server**.

Mode 1: Local Area Network

This function must be used with the **VT07-B01** indoor monitor.

Step 1: Set the IP address of the indoor monitor

Click [**Network**] > [**Wired Network Configuration**] to set the network parameters. Make sure that the indoor monitor IP address and the device IP address are on the same network segment. Here is an example of the **163** network segment.

Step 2: Add devices to each other

1. On the indoor monitor, enter [**Setting**] > [**Advance Setting**] > [**Device Manage**] > [**Add**] to add the device.
2. On the device, enter [**Intercom**] > [**SIP Settings**] > [**Contact List**] > [**Add**] to add the connected indoor monitor.

    Room Number: Customize the number of the indoor monitor. e.g. **106**

   **Call Address:** Enter the IP Address of the indoor monitor. e.g. 192.168.163.201

Note: In LAN mode, keep the SIP server off.

Step 3: Calling the indoor monitor

Users can call the indoor monitor in three ways: by IP address, by shortcut and directly.

1. Calling by IP Address or Room Number

1) Click ☰ > [**Intercom**] > [**SIP Settings**] > [**Local Settings**] to turn off the SIP Server.
2) Then click 📞 icon on the standby page to enter the call page.
3) Double-click the input field to enter the **IP address** of the indoor monitor to call. Or directly enter the room Number corresponding to the IP address.
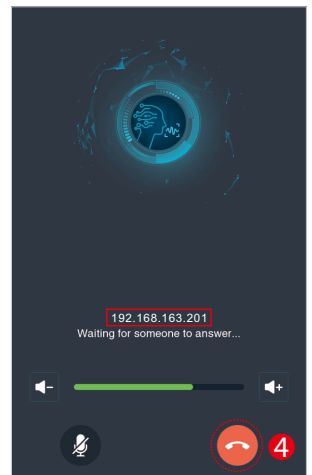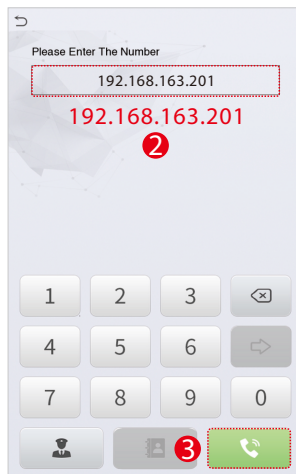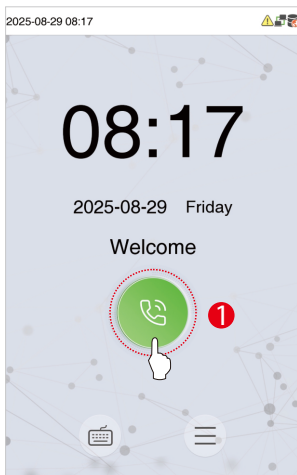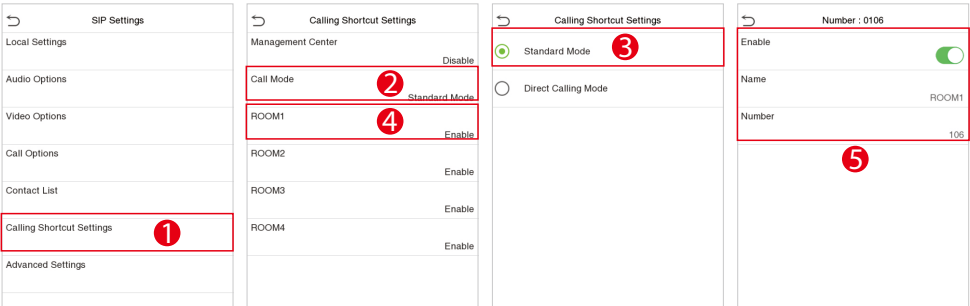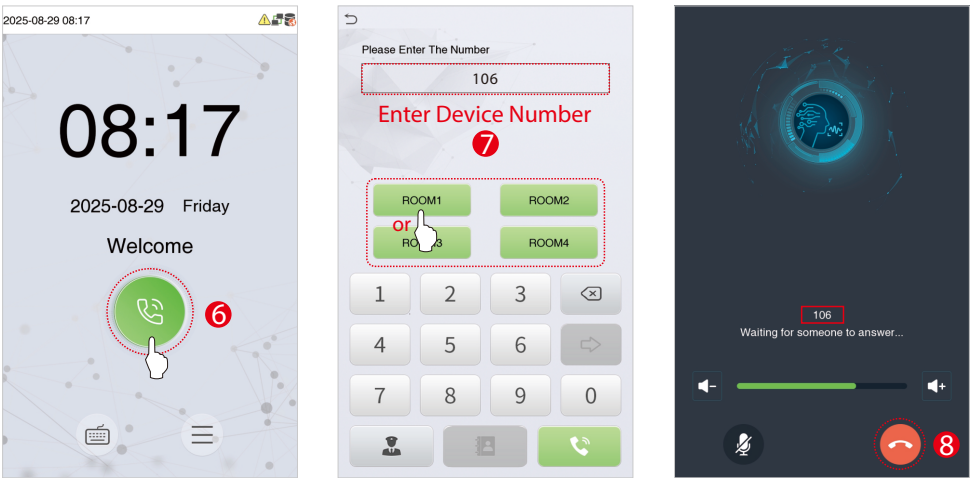
2. Calling by Shortcut

1) Click ☰ > [**Intercom**] > [**SIP Settings**] > [**Local Settings**] to turn off the SIP Server.
2) Then click [**SIP Settings**] > [**Contact List**] > [**Add**] to add a new contact member.
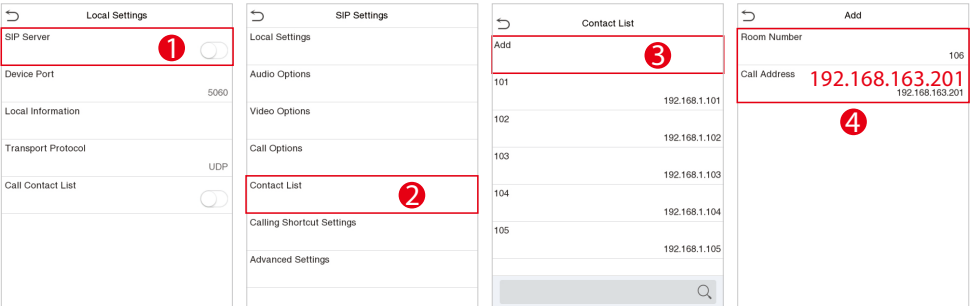
3) Click [**SIP Settings**] > [**Calling Shortcut Settings**] > [**Call Mode**] > [**Standard Mode**], and click [**ROOM1/2/3/4**] to set the room number of the call page.


4) Then user can enter the device number, or click the [**ROOM**] shortcut button on the call page to call the indoor monitor.


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3. Direct Calling

1) Click ☰ > [**Intercom**] > [**SIP Settings**] > [**Local Settings**] to close the SIP Server.

2) Then click [**SIP Settings**] > [**Contact List**] > [**Add**] to add a new contact member. The method of adding is the same as above.

3) Click [**SIP Settings**] > [**Calling Shortcut Settings**] > [**Call Mode**] > [**Standard Mode**] > [**Direct Calling Mode**], and then click [**Add**] to select the device number you want to directly call from the contact list.
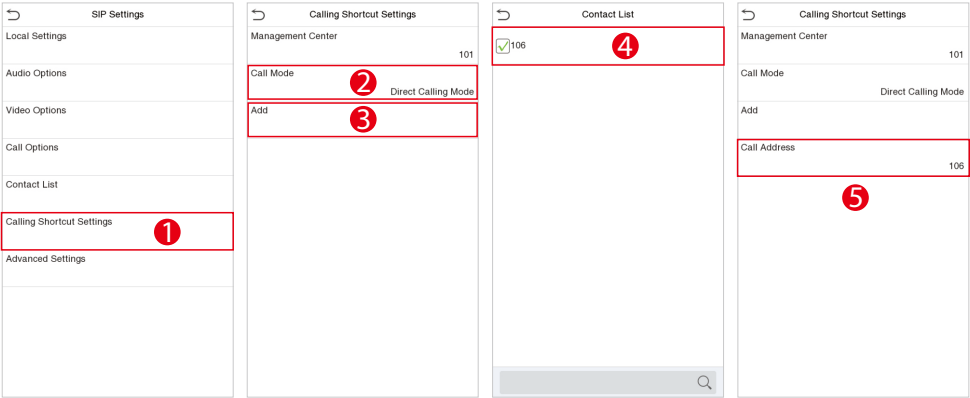
4) Then user can click the 📞 icon on the standby screen to directly call the indoor monitor.


Indoor monitor interface
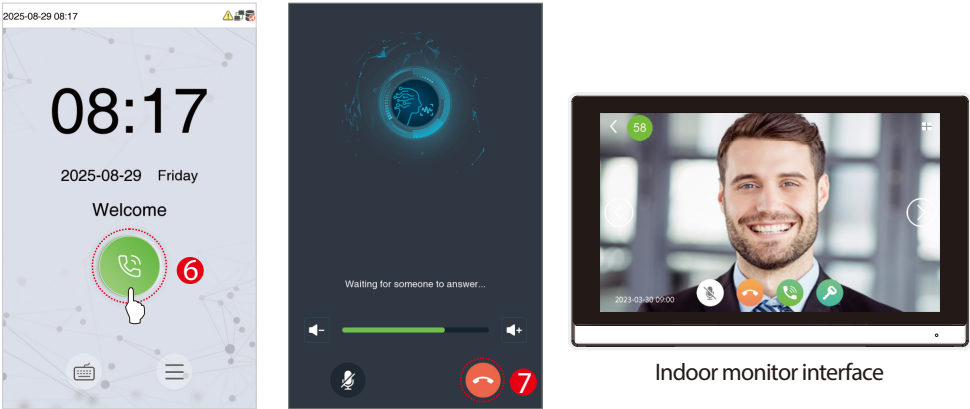
Mode 2: Cloud SIP Server

This function requires the ZKBio CVSecurity server, ZKBio Zexus Mobile App, indoor monitor VT07-B26L-W/VT07-B22L, and PC client BioTalk Pro. Two types of SIP servers are supported: Cloud SIP and PBX. This example uses Cloud SIP.

Note: In Cloud SIP Server mode, ensure that the SIP server of the device is on.

Step 1: Enabling Cloud SIP on the ZKBio CVSecurity

1. On ZKBio CVSecurity, click [**System**] > [**System Management**] > [**Cloud Setting**] to enable the Cloud SIP service.
2. Click **ZKBio CVConnect Client** to download and install it. (**Note:** The installation and activation of the client can see the ZKBio Zexus Mobile App User Manual.)
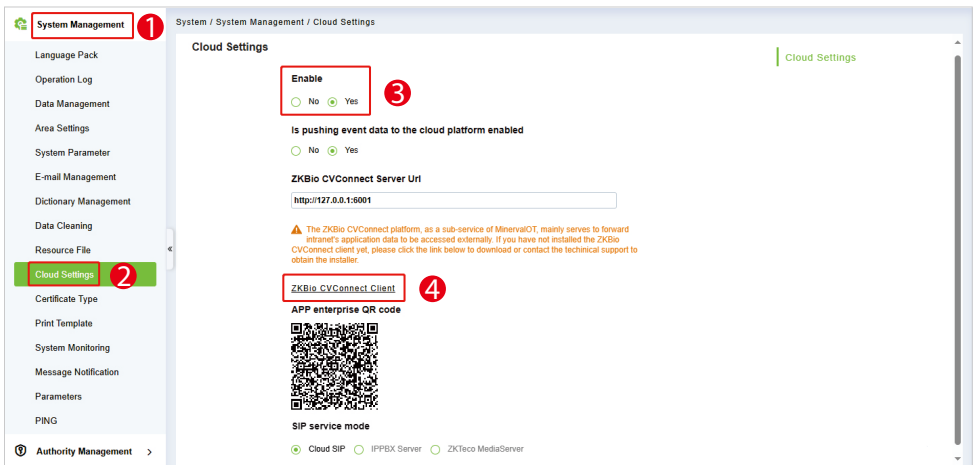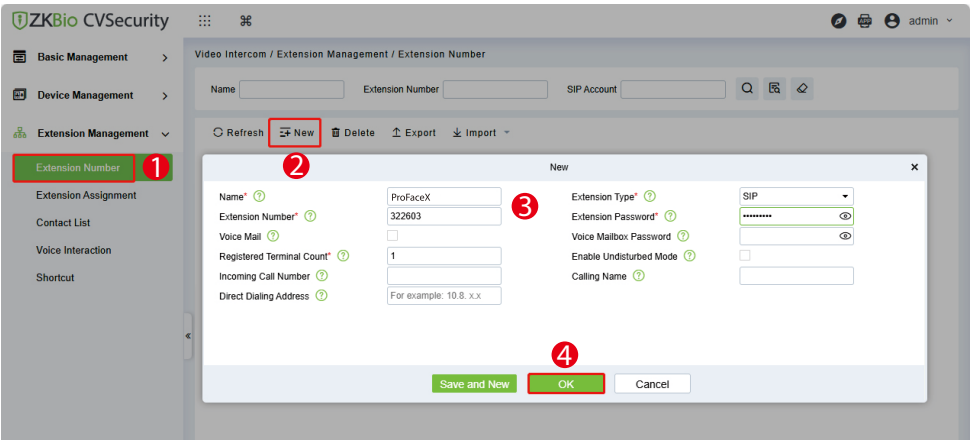

Step 2: Add Device on the ZKBio CVSecurity

On ZKBio CVSecurity, click [**Access**] > [**Device Management**] > [**Device**] > [**Search**] > [**Search**] > [**Add**] to add the device. Then the device will be automatically synchronized to the Video Intercom module.
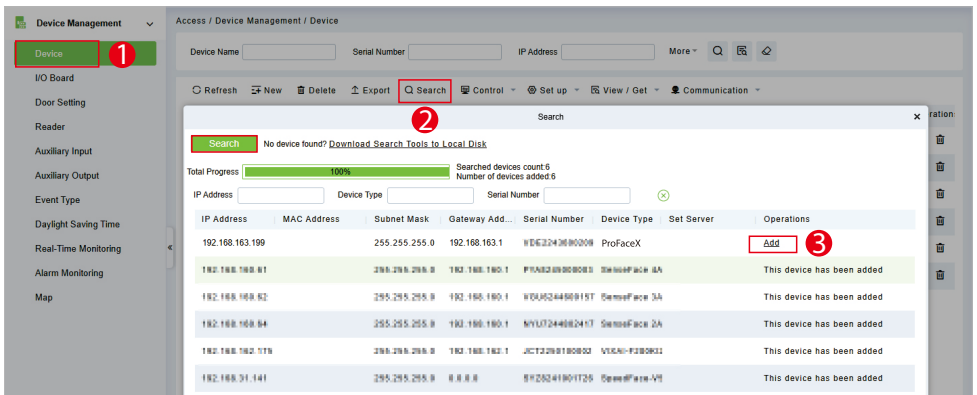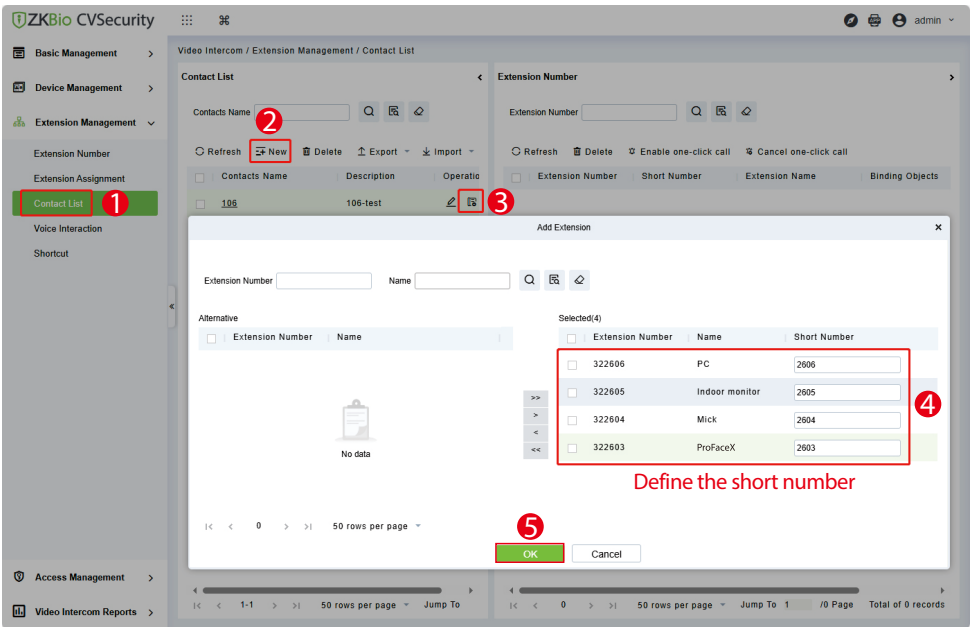
Step 3: Configure Contact List

1. Click [**Video Intercom**] > [**Extension Management**] > [**Extension Number**] > [**New**] to add the extension numbers.


2. Click [**Extension Management**] > [**Contact List**] > [**New**] to add the contacts. Then click the 🔳 icon to add extension numbers.

After defining the short number, user can call the extension by dialing it.

Step 4: Synchronize account information to the device

Click [**Extension Assignment**] > [**Extension Assignment**] to assign an extension number and synchronize the contacts to the device.
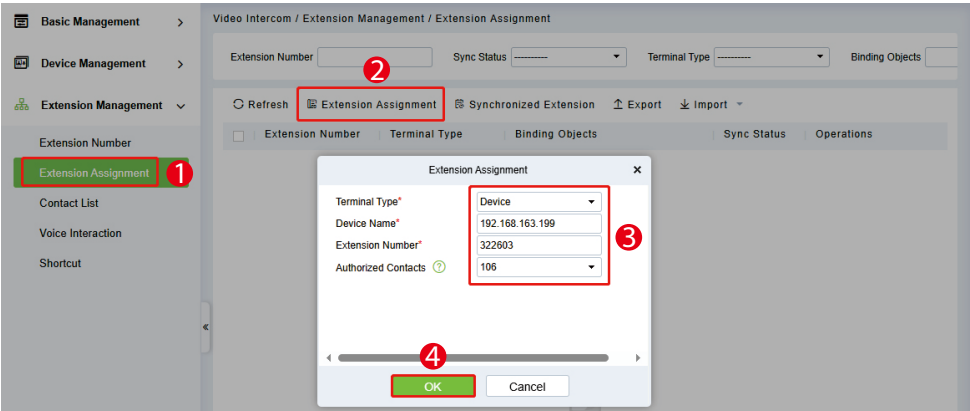

Note: Ensure that the ZKBio CVConnect Client is installed and activated; otherwise, this step cannot be performed. Once the SIP is configured correctly, a green dot will appear in the upper-right corner of the call page, indicating that the device is connected to the server.

Step 5: Two-way calling and intercom

After completing the settings, the device can call the indoor monitor phones (via ZKBio Zexus App), and PC clients (Bio Talk Pro).

1. Device Call the Indoor Monitor (VT07-B26L-W / VT07-B22L)

1) On the ZKBio CVSecurity software, click [**Video Intercom**] > [**Device Management**] > [**Device**] > [**New**] to add the indoor monitor. Then assign an extension number to the indoor monitor.

2) On the device, enter [**Intercom**] > [**SIP Settings**] > [**Local Settings**] > [**Call Number Type**], select the call number type as **Room Number.**

3) Press the 🟢 key on the device and enter the Short Number of the indoor monitor in the call interface of the device.


Indoor monitor interface

17
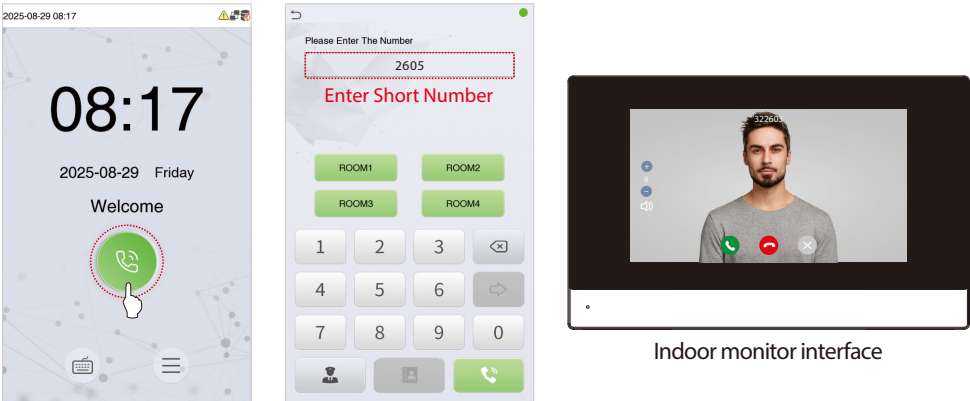
2. Device Call the Phone (ZKBio Zexus App)

1) On the ZKBio CVSecurity software, assign an extension number to the personnel.
2) On the device, enter [**Intercom**] > [**SIP Settings**] > [**Local Settings**] > [**Call Number Type**], select the call number type as **Room Number**.
3) Press the 📞 key on the device and enter the Short Number of the personnel in the call interface of the device.
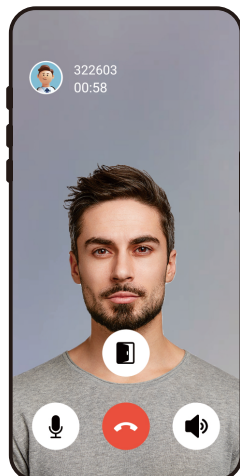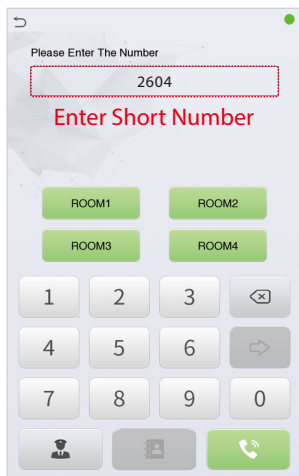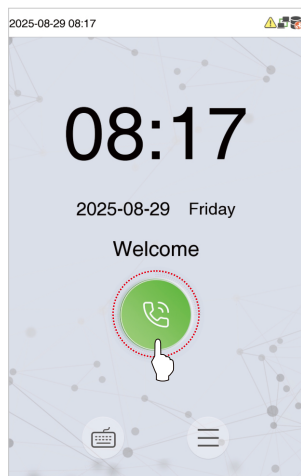
3. Device Call the PC Client (Bio Talk Pro)

1) Install the BioTalk Pro software and configure the SIP account.
2) Press the 📞 key on the device and enter the Short Number of the PC Client in the call interface of the device.
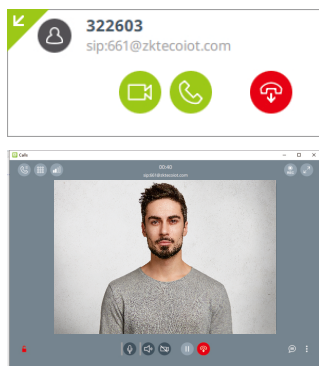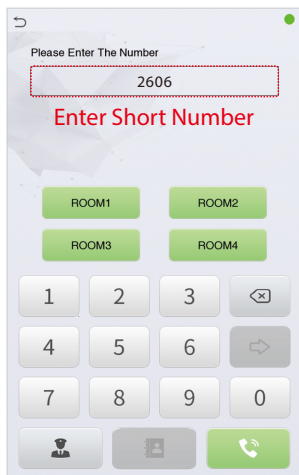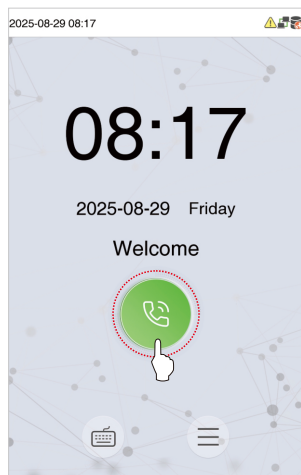

Two-way calls can be made between the device, indoor monitor, ZKBio Zexus App, and PC client (BioTalk Pro). For more details, please refer to the user manual.

15 ONVIF Settings ★

This function needs to be used with the Network Video Recorder (NVR).

1. Set the device to the same network segment as the NVR.
2. Click ☰ > [**Intercom**] > [**ONVIF Settings**] to set the User Name and Password.
   Note: If the Authentication function is disabled, then there is no need to input the User Name and Password when adding the device to the NVR.
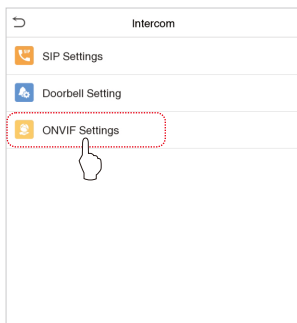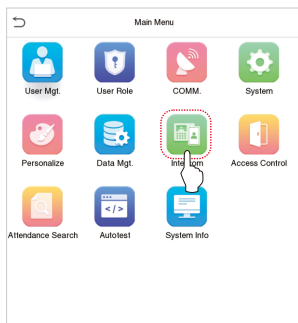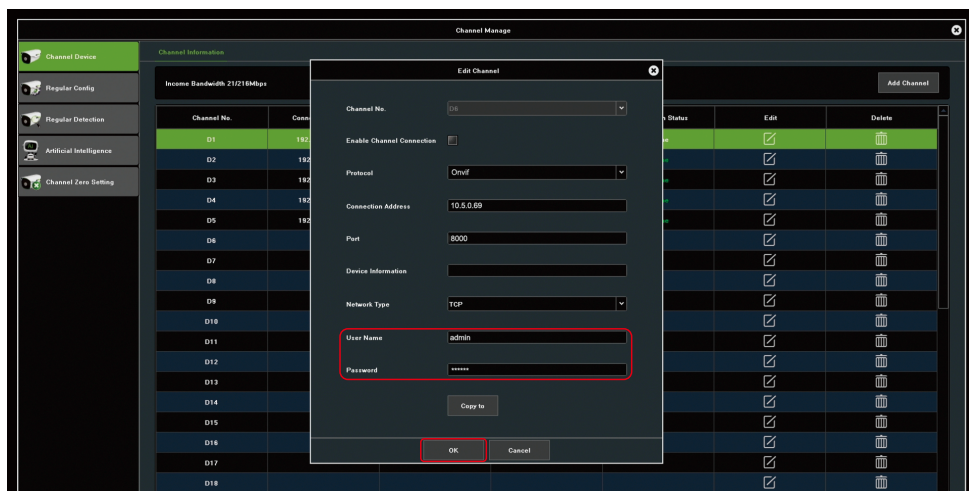

3. On the NVR system, click [**Start**] > [**Menu**] > [**Channel Manage**] > [**Add Channel**] > [**Refresh**] to search for the device.
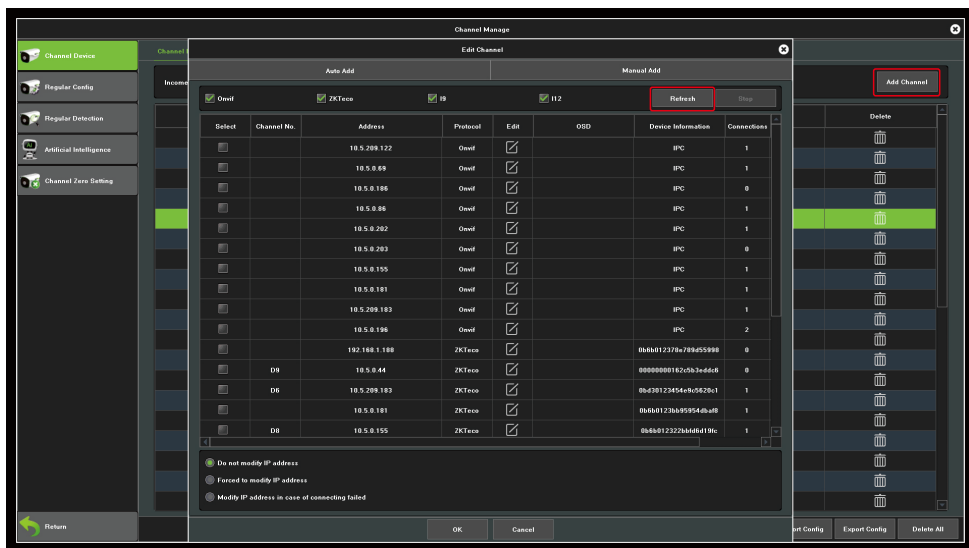
4. Select the checkbox for the device user want to add and edit the parameters in the corresponding text field, then click on [**OK**] to add it to the connection list.

5. After successfully adding, the video image obtaining from the device can be viewed in real-time. For more details, please refer to the *NVR User Manual*.

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Label

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