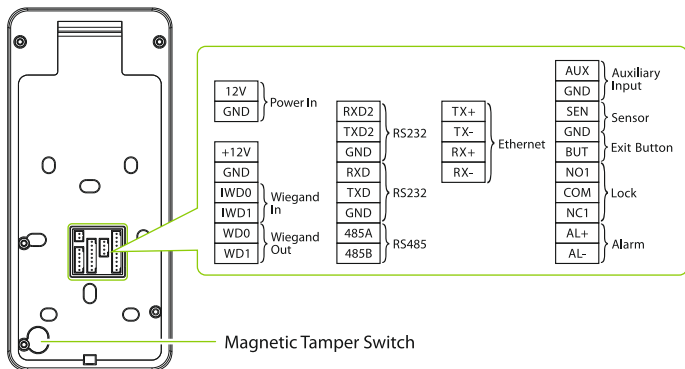
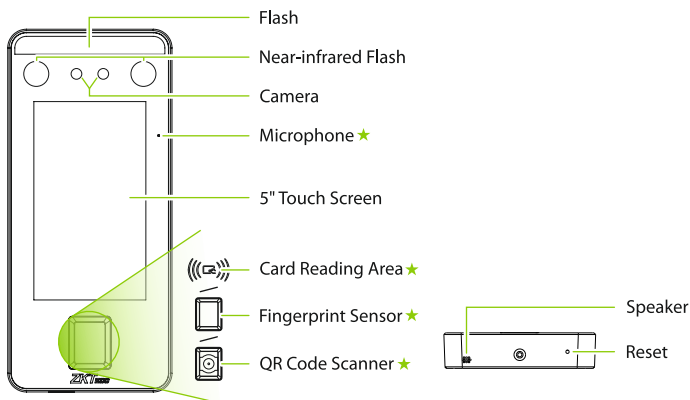


Quick Start Guide

5-inch VLFR Terminals (ZAM230)

Version: 1.0

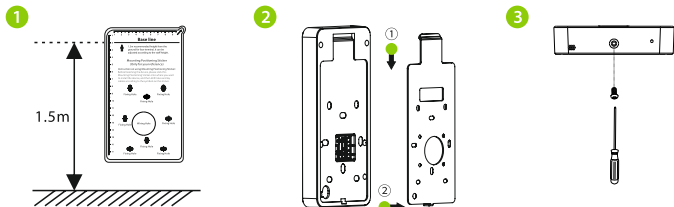
Overview



Note: Features and parameters with ★ mark are not available in all devices.

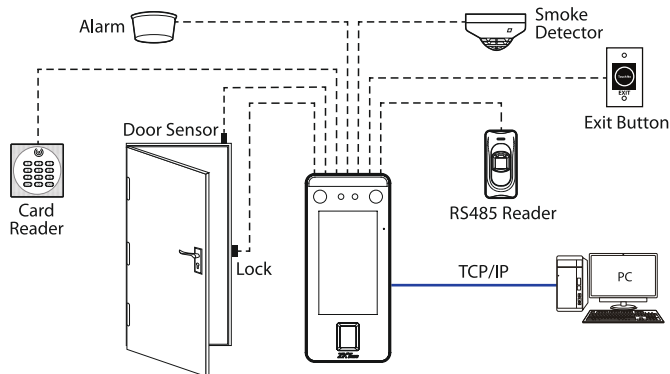
Device Installation

This guide uses the SpeedFace-V5L as an example for installation, wiring, introduction of functions and instructions for use.

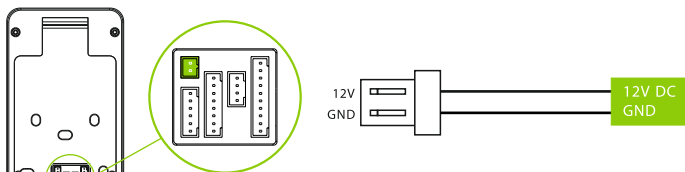


1. Attach the mounting template sticker to the wall, and drill holes according to the mounting paper. Fix the back plate on the wall using wall mounting screws.
2. Attach the device to the back plate.
3. Fasten the device to the back plate with a security screw.

Standalone Installation



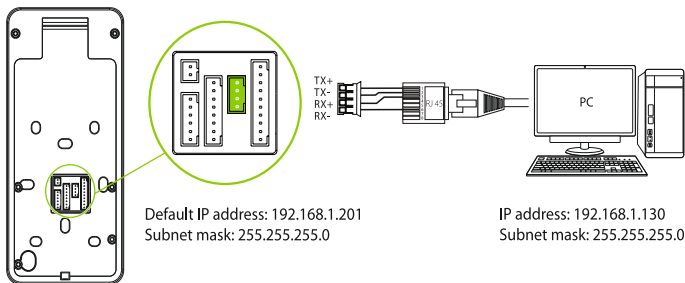
Power Connection



Recommended power supply

1. $12V \pm 10\%$, at least 3,000mA.
2. To share the power with other devices, use a power supply with higher current ratings.

Ethernet Connection



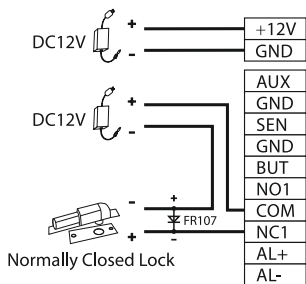
Click **[COMM.]** > **[Ethernet]** > **[IP Address]** , input the IP address and click **[OK]**.

Note: 1) In LAN, the IP address of the server (PC) and the device must be in the same network segment when connecting to the ZKBio CVAccess software. 2) The device needs to access the external network when connecting to ZKBio Zlink.

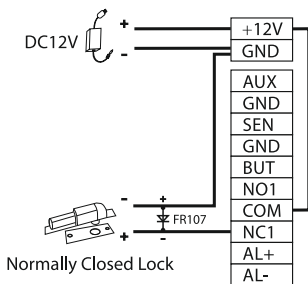
Lock Relay Connection

The system supports both **Normally Opened Lock** and **Normally Closed Lock**. The **NO Lock** (normally opened when powered) is connected with '**NO1**' and '**COM**' terminals, and the **NC Lock** (normally closed when powered) is connected with '**NC1**' and '**COM**' terminals. The power can be shared with the lock or can be used separately for the lock, as shown in the example with NC Lock below:

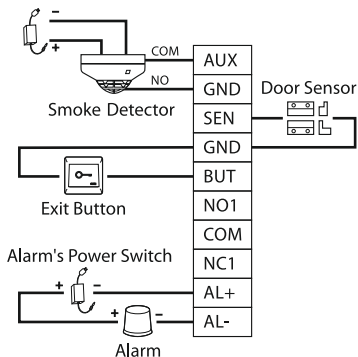
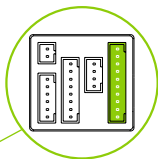
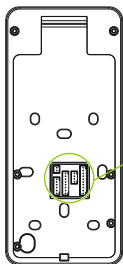
1) Device not sharing power with the lock



2) Device sharing power with the lock

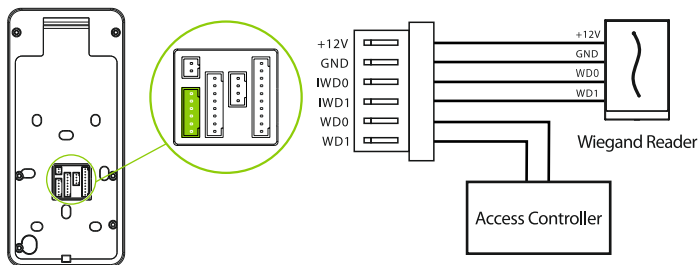


Door Sensor, Exit Button & Alarm Connection

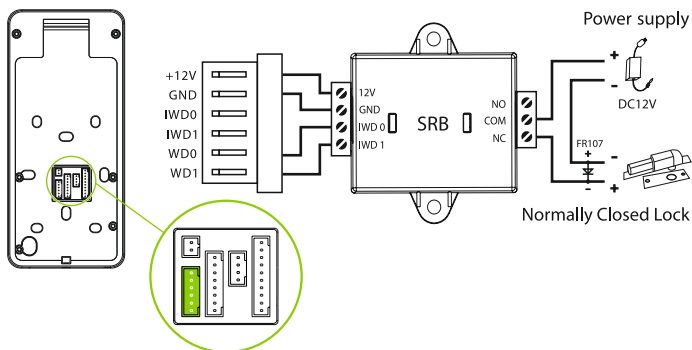


Wiegand Reader

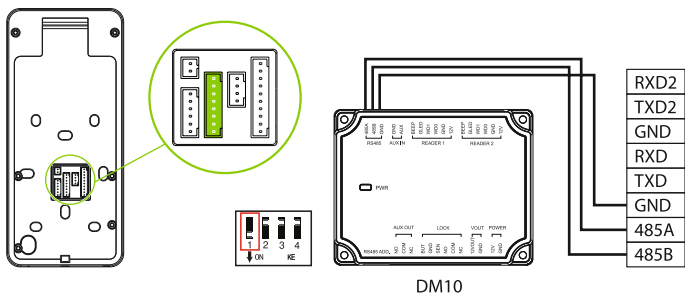
Wiegand card reader connects to the top 4 pins of the wiegand terminal and the last two pins are used by the Access controller, as shown in the following figure. It sends the credentials to the device via wiegand communication.



SRB Connection



DM10 Connection

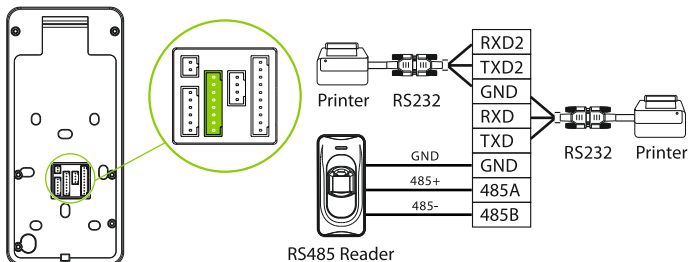


Note:

- 1) Click [**COMM.**] > [**Serial Comm**] > [**Serial Port**] to select the serial port as **DM10**.
- 2) Make sure that the position **1** of the DM10 DIP switch is set to **ON**.

RS485 and RS232 Connection

The RS485 and the RS232 lets user connect to multiple readers to the device. Two RS232 and one RS485 can be connected to the terminal, as shown in the figure below.

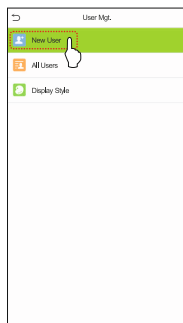
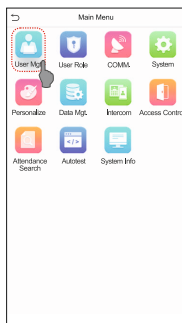
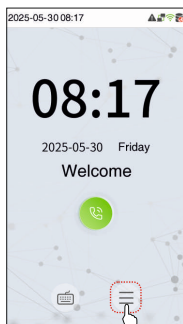


User Registration

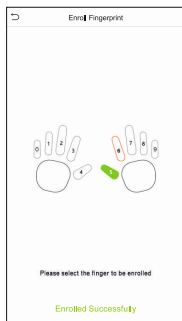
When there is no super administrator set in the device, click on ☰ to enter the menu. Add a new user and set User Role to Super Admin, then the system will request for the administrator's verification before entering the menu. It is recommended to register a super administrator initially for security purposes.

Method 1: Register on the Device

Click on ☰ > **[User Mgt.]** > **[New User]** to register a new user. The options include entering the user ID and Name, setting User Role, registering Fingerprint, Face, Card Number, Password, adding Profile Photo and setting Access Control Role.



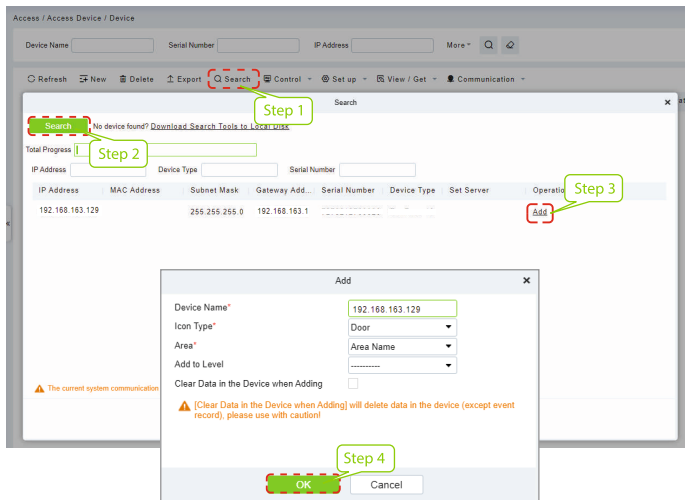
New User	
User ID	1
Name	Mike
User Role	Normal User
Fingerprint	1
Face	1
Card	1
Password	****
Profile Photo	1
Access Control Role	



Method 2: Register on ZKBio CVAccess software

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

1. Click **[Access]** > **[Access Device]** > **[Device]** > **[Search]** to search the device on the software. When an appropriate server address and port is set on the device, the searched devices are displayed automatically.

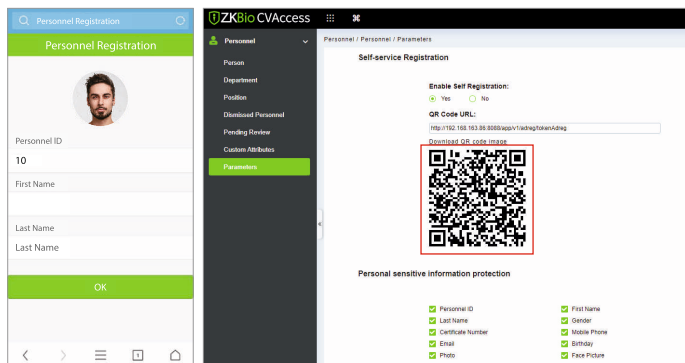


2. Click **[Add]** in operation column, a new window will pop-up. Select Icon type, Area, and Add to Level from each dropdowns and click **[OK]** to add the device.
3. Click **[Personnel]** > **[Person]** > **[New]** and fill in all the required fields to register a new users in the software.
4. Click **[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 CVAccess User Manual*.

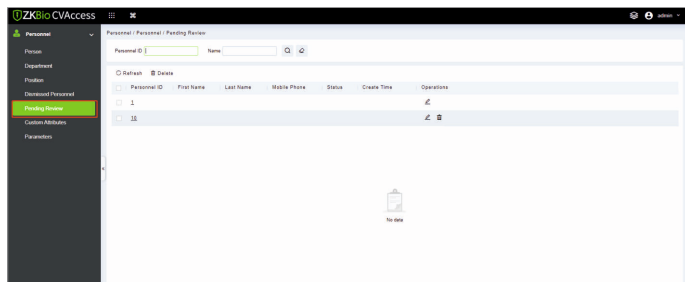
Method 3: Register on the phone

Once the ZKBio CVAcess software is installed, the users could enroll their face via 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.



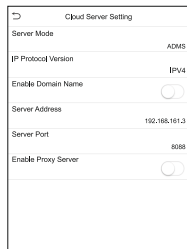
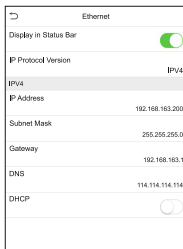
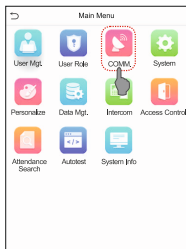
2. The users will be displayed in **[Personnel]** > **[Pending Review]**.



Ethernet and Cloud Server Settings

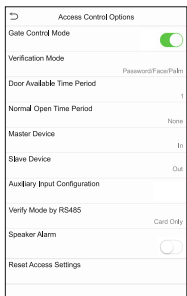
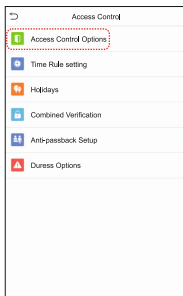
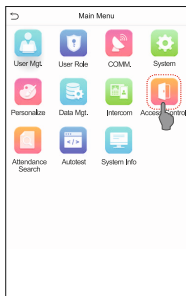
Click on  > **[COMM.]** > **[Ethernet]** to set the network parameters. If the TCP/IP communication of the device is successful, the icon  will be displayed in the upper right corner of the standby interface.

Click on  > **[COMM.]** > **[Cloud Server Setting]** to set the server address and server port, that is, the IP address and port number of the server after the software is installed. If the device communicates with the server successfully, the icon  will be displayed in the upper right corner of the standby interface.



Access Control Setting

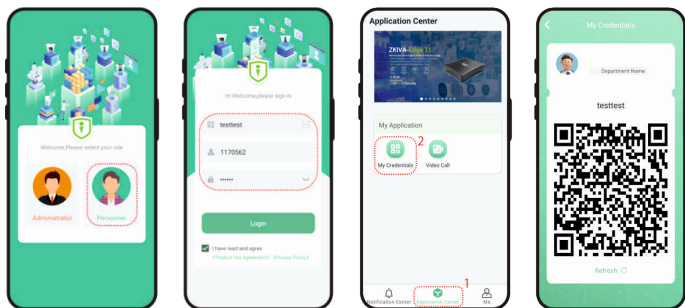
Click on  > **[Access Control]** to enter the access control management interface and set relevant parameters of access control.



Dynamic QR Code Verification ★

1. In ZKBio CVAccess, click **[System]** > **[System Management]** > **[Parameters]**, set Enable QR Code to "Yes", and select the QR code Type as **Dynamic**, the valid time of the QR code can be set.
2. Click **[Personnel]** > **[Personnel]** > **[Person]**, select the personnel and click **[More]** > **[Enable APP Login]**.
3. Open the ZKBio Zexus Mobile App on the Smartphone. On the login screen, select the role **Personnel**, enter the account information, and click **[Login]**.
Organization Name: Scan the organization code you get before. (Enter **[System]** > **[System Management]** > **[Cloud Setting]** > **[APP enterprise QR Code]**)
Account & Password: The personnel ID & password (default: **123456**).
4. Click **[Application Center]** > **[Mobile Credential]** on the App, and a QR code will appear, which includes employee ID and card number information.

Note: Place your phone within **15 to 50cm** of the device (distance depends on the size of the phone screen), do not block the device QR code scanner and QR code in the phone screen.



SIP Settings★

This section introduces the application methods of Video Intercom using **Local Area Network** and **Cloud SIP Server**.

Mode 1: Local Area Network

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

Step 1: Setting 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

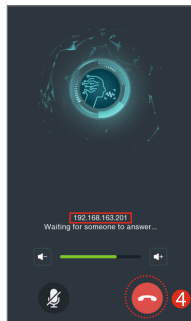
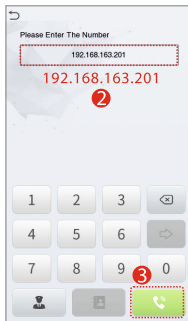
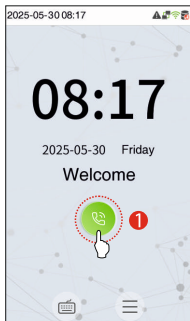
Note: In LAN mode, keep the SIP server off.

Step 3: Calling the indoor monitor

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

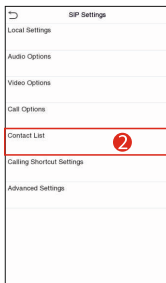
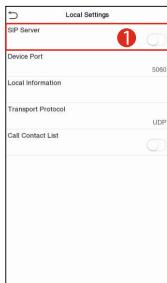
1. Calling by IP Address or ROOM Number

- 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.

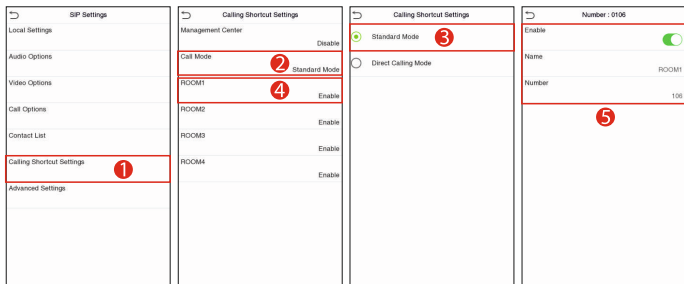


2. Calling by Shortcut

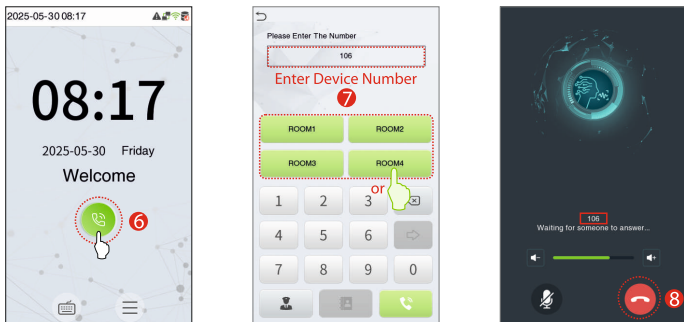
- 1) Click > **[Intercom]** > **[SIP Settings]** > **[Local Settings]** to turn off the SIP Server.
- 2) Then click **[SIP Settings]** > **[Contact List]** > **[Add]** to add a new contact member.



- 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.



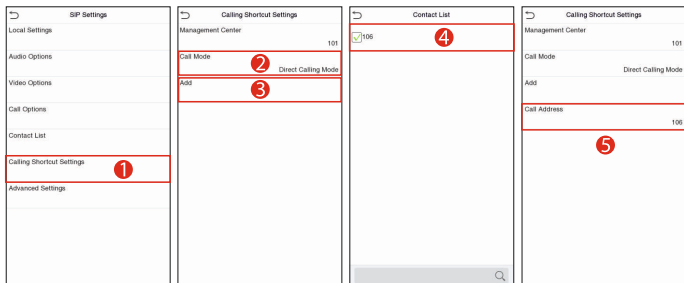
- 4) Then you can enter the device number, or click the ROOM shortcut button on the call page to call the indoor monitor.



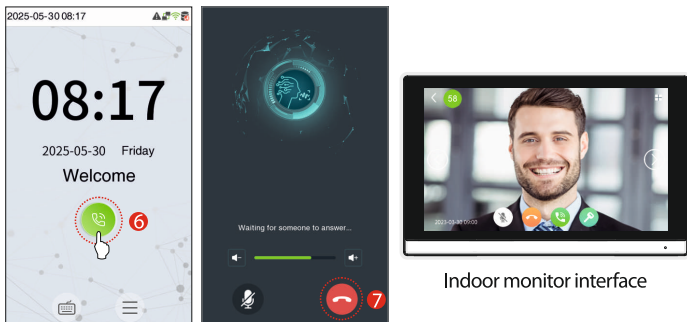
3. Direct Calling

- 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 you can click the  icon on the standby screen to directly call the indoor monitor.



Indoor monitor interface

Mode 2: Cloud SIP Server

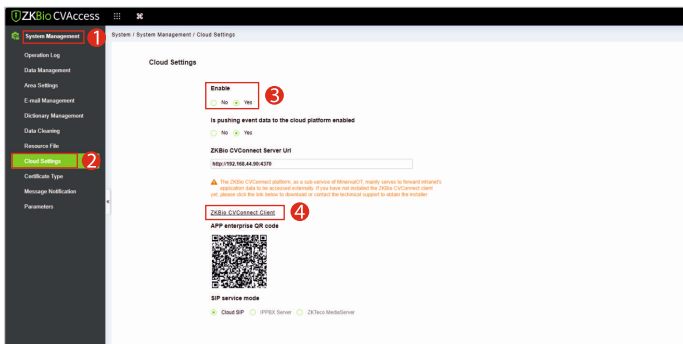
This function needs to be used with the ZKBio CVAccess server, ZKBio Zexus Mobile APP, indoor monitor VT07-B26L-W / VT07-B22L and PC Client BioTalk Pro.

There are SIP servers: **Cloud SIP** and **PBX servers**. Take Cloud SIP as an example.

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

Step 1: Enabling Cloud SIP on the ZKBio CVAccess

1. On ZKBio CVAccess, 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.)



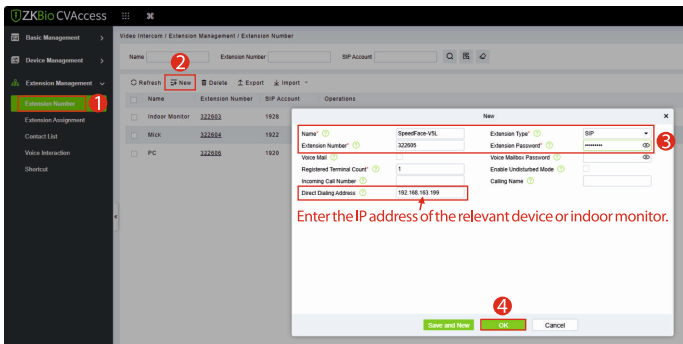
Step 2: Add Device on the ZKBio CVAccess

On ZKBio CVAccess, click [**Access**] > [**Device Management**] > [**Device**] > [**Search**] > [**Search**] > [**Add**] to add the device by searching. Then the device will be automatically synchronized to the **Video Intercom** module.

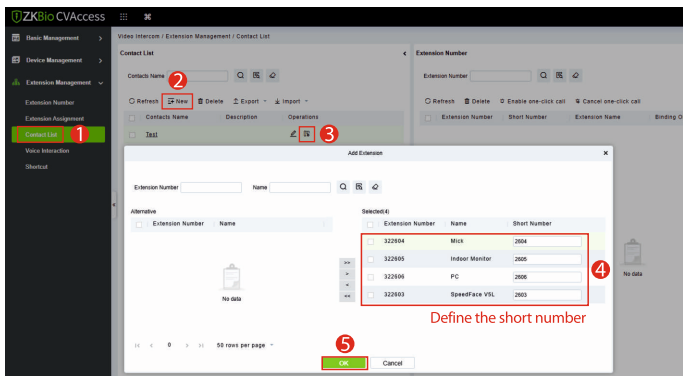


Step 3: Configure Contact List

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



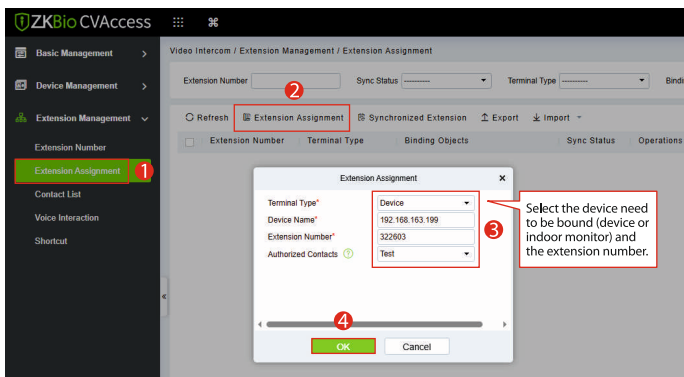
2. Click **[Extension Management] > [Contact List] > [New]** to add the contacts. Then click the  icon to add extension numbers to it.



After defining the short number here, you can call the extension number by dialling this number.

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 ZKBio CVConnect Client has been installed and activated, otherwise this step cannot be operated normally.

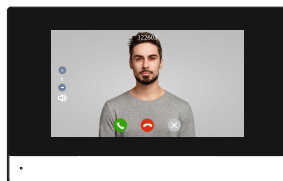
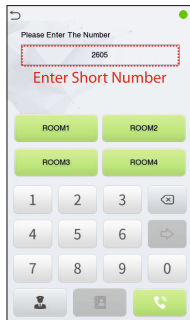
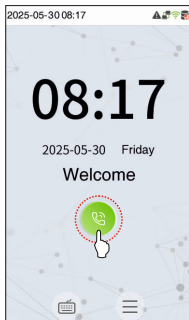
Once the SIP is set up correctly, a green dot will appear in the upper right corner of the call page, indicates that the device is connected to the server.

Step 5: Two-way calling and intercom

After the settings are completed, the device can call indoor monitor, phone (ZKBio Zexus App), and PC clients (BioTalk Pro).

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

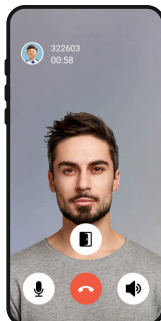
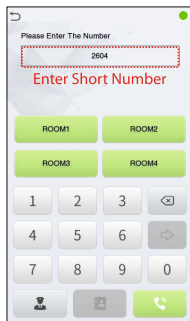
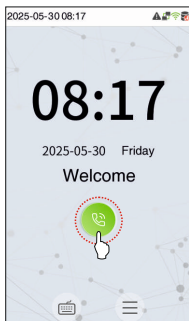
- 1) On the ZKBio CVAccess software, click **[Video Intercom]** > **[Device Management]** > **[Device]** > **[New]** to add the indoor monitor. Then assign an extension number to the indoor monitor.
- 2) On the device, enter **[Intercom]** > **[SIP Settings]** > **[Local Settings]** > **[Call Number 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

2. Device Call the Phone (ZKBio Zexus App)

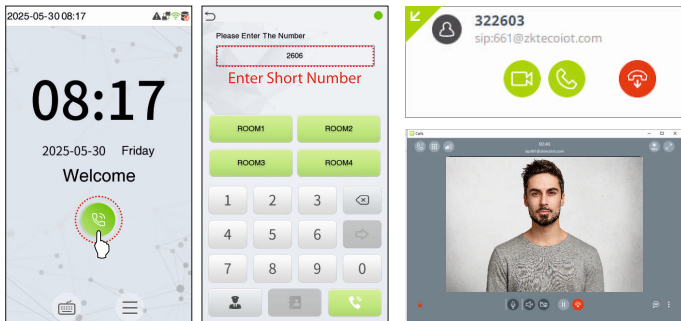
- 1) On the ZKBio CVAccess software, assign an extension number to the personnel.
- 2) On the device, enter [Intercom] > [SIP Settings] > [Local Settings] > [Call Number Type], select the call number type as **Room Number**.
- 3) Press the  key on the device and enter the Short Number of the personnel in the call interface of the device.



3. Device Call the PC Client (BioTalk 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.



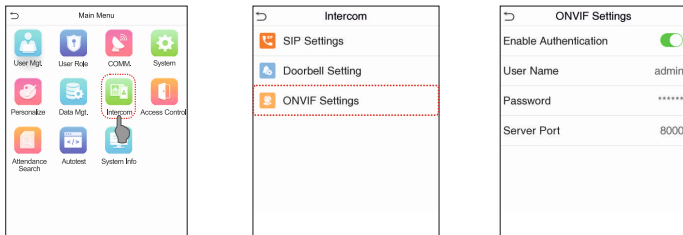
Two-way calls can be made between the device, indoor monitor, ZKBio Zexus App, and PC client (BioTalk Pro). For more details, please refer to the user manual.

ONVIF Settings

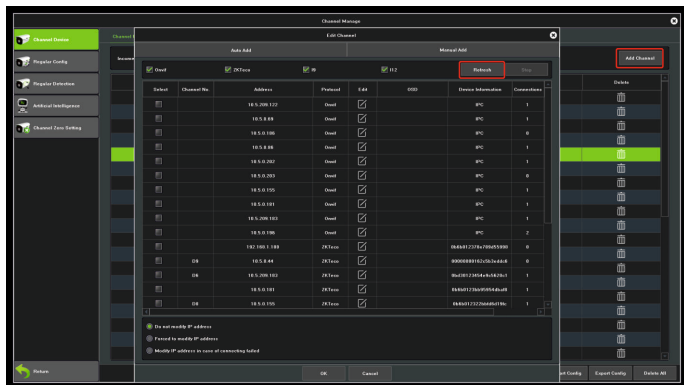
This function needs to be used with the Network Video Recorder (NVR).

1. Set the device to the same network segment as the NVR.
2. Click  > **[Intercom]** > **[ONVIF Settings]** to set the User Name and Password.

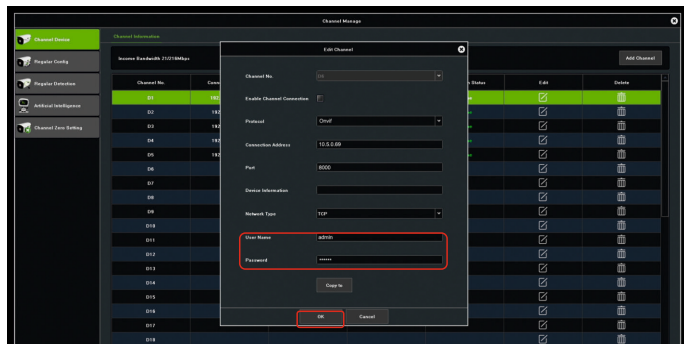
Note: If the Authentication function is disabled, then there is no need to input the User Name and Password when adding the device to the NVR.



- On the NVR system, click **[Start]** > **[Menu]** > **[Channel Manage]** > **[Add Channel]** > **[Refresh]** to search for the device.



- Select the checkbox for the device you want to add and edit the parameters in the corresponding text field, then click on **[OK]** to add it to the connection list.



- 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*.

