

# Quick Start Guide

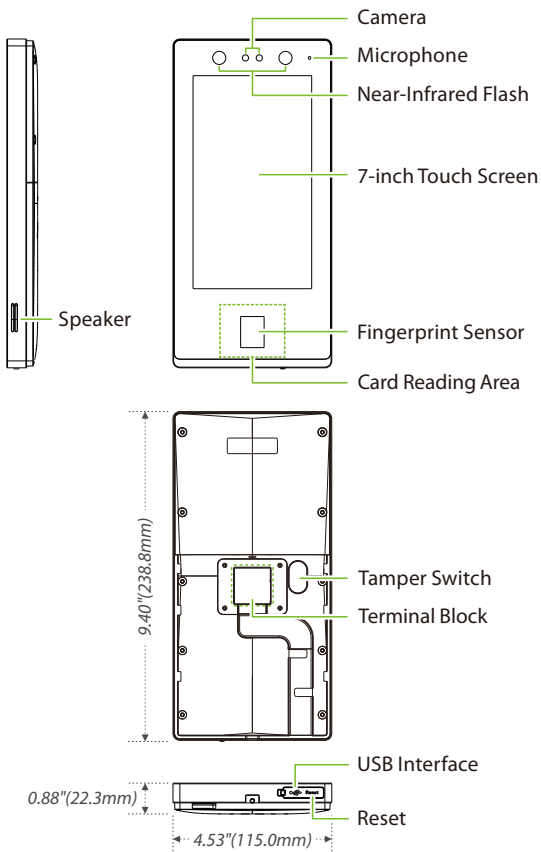
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## BioFace D1

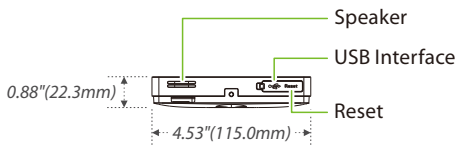
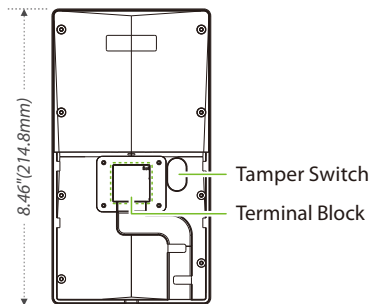
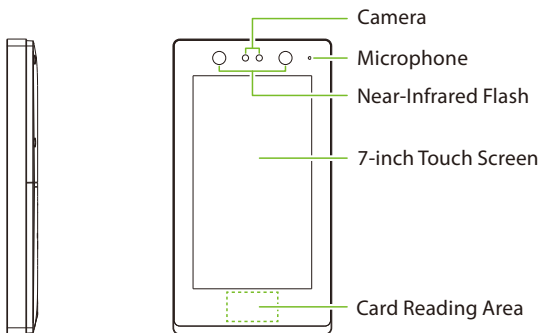
Version: 1.0

# 1. Overview

## BioFace D1



## BioFace D1



**Note:** Not all products have the function with★, the real product shall prevail.

## 2. Installation Environment



INSTALL INDOORS  
ONLY



AVOID INSTALLATION  
NEAR  
GLASS WINDOWS



AVOID DIRECT  
SUNLIGHT  
AND EXPOSURE

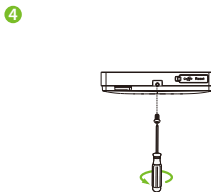
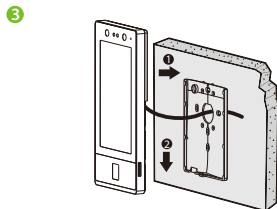
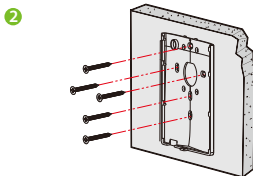
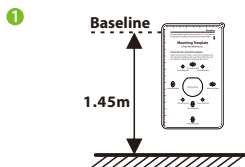


AVOID USE OF ANY  
HEAT SOURCE  
NEAR THE DEVICE

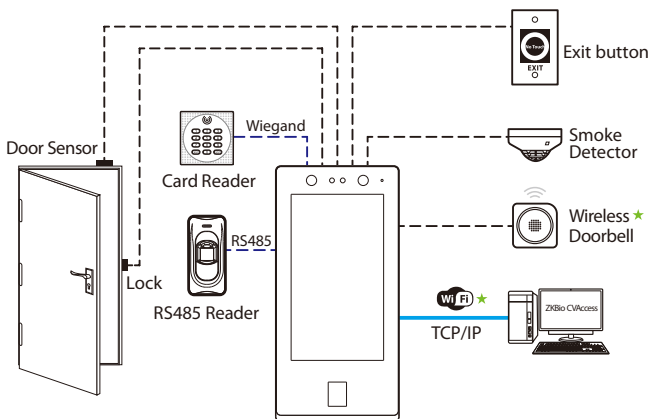
## 3. Device Installation

### Install on the wall

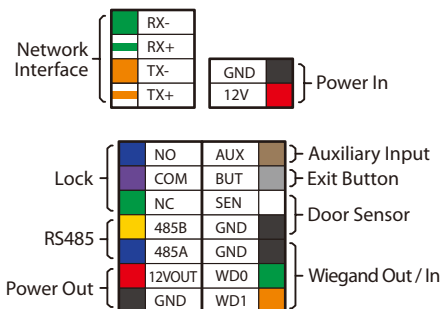
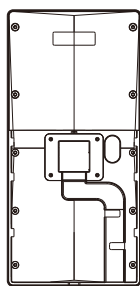
- ① Attach the mounting template sticker to the wall, and drill holes according to the mounting paper.
- ② Fix the backplate on the wall with the wall mounting screws.
- ③ After passing the wires through the wiring hole and connecting them to the device, and then snap the device onto the backplate and push it down into place.
- ④ Fasten the device to the backplate with a security screw.



## 4. Standalone Installation

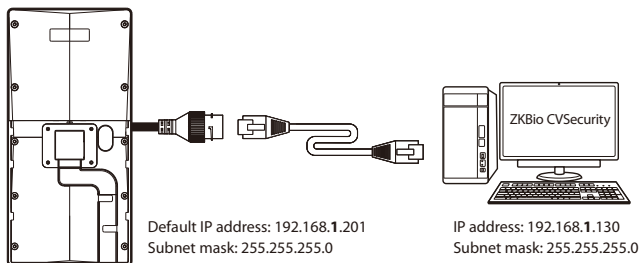


## 5. Terminal Block



## 6. Ethernet Connection

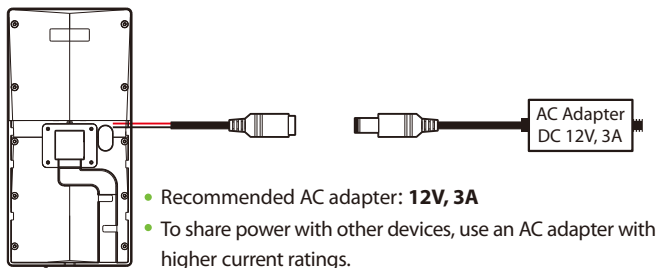
Establish the connection between the device and the software using an Ethernet cable. An illustrative example is provided below:



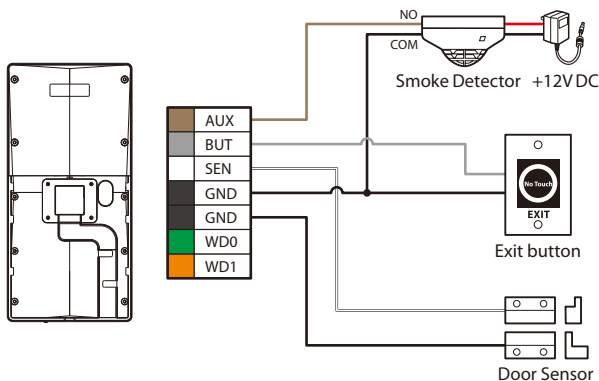
Tap on  to enter the main menu. And then click on **[Comm.] > [Ethernet] > [IP Address]** to input the IP address.

**Note:** In LAN, IP addresses of the server (PC) and the device must be in the same network segment when connecting to the software.

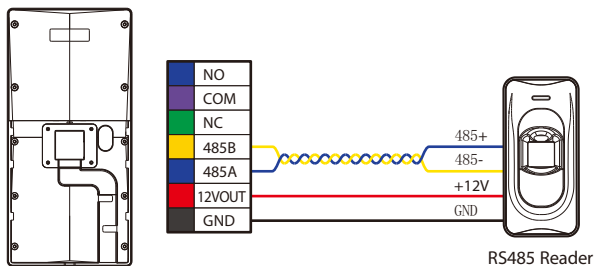
## 7. Power Connection



## 8. Exit Button, Door Sensor & Auxiliary Connection



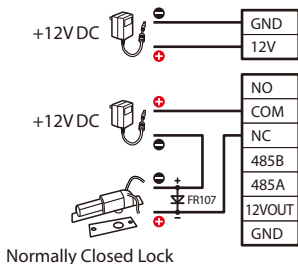
## 9. RS485 Connection



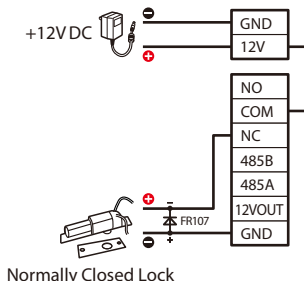
## 10. Lock Relay Connection

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

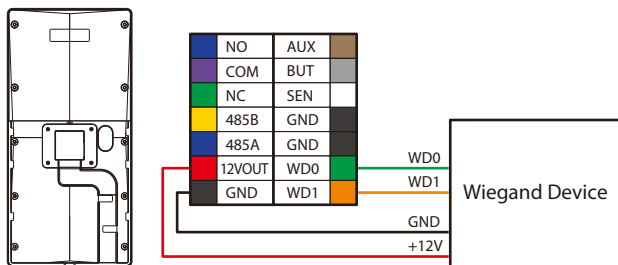
1) Device not sharing power with the lock



2) Device sharing power with the lock



## 11. Wiegand Reader Connection



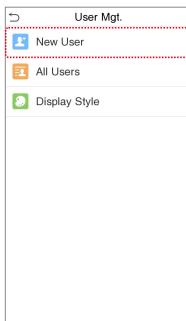
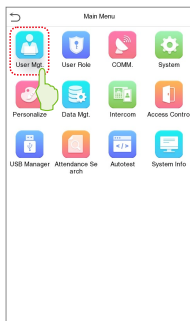
**Note:** The Wiegand interface is shared, and the user can choose to use either the Wiegand input or Wiegand output function to interface with different Wiegand devices.

## 12. User Registration

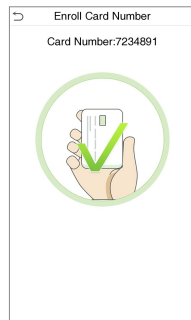
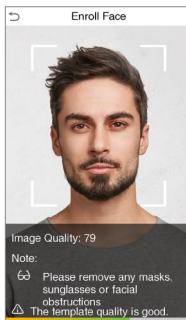
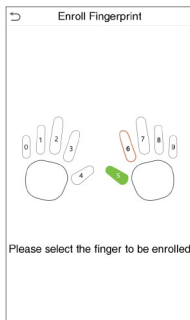
Click ☰ to enter the Main Menu screen. When a super administrator is set up, administrator verification is required when entering the menu. For security purposes, it is recommended to register a super administrator when using it for the first time.

### Method 1: Registering on the device

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



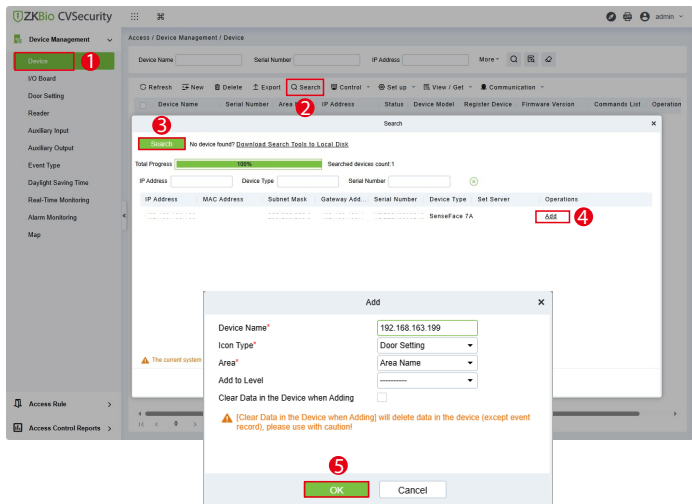
| New User            |             |
|---------------------|-------------|
| User ID             | 1           |
| Name                |             |
| User Role           | Normal User |
| Fingerprint         | 0           |
| Face                | 0           |
| Card                | 0           |
| Password            |             |
| Profile Photo       | 0           |
| 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.

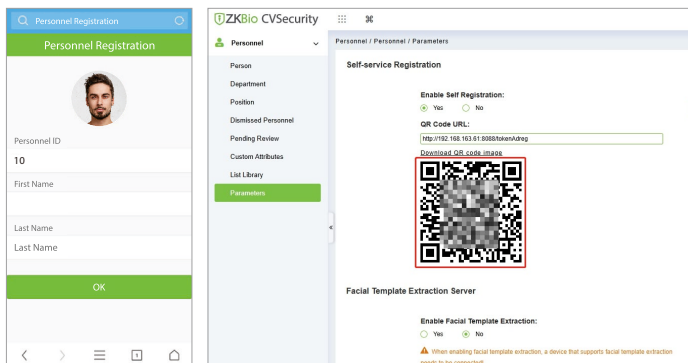


2. Click **[Add]** in operation column, a new window will pop-up. Select Icon type, Area, and Add to Level from each dropdowns and click **[OK]** to add the device.
3. Click **[Personnel] > [Person] > [New]** and fill in all the required fields to register a new users in the software.
4. Click **[Access]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

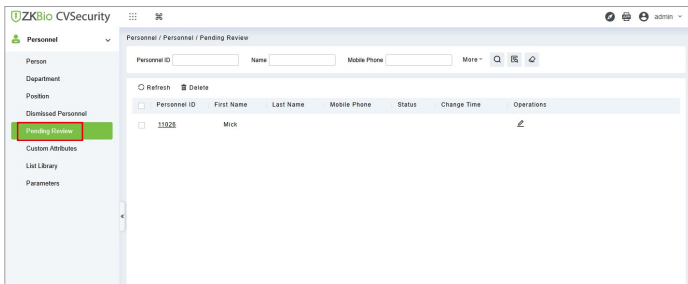
## Method 3: Register on the phone

Once the ZKBio CVSecurity software is installed, the users 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.



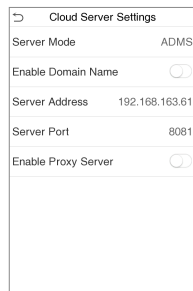
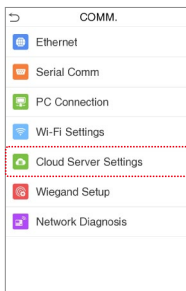
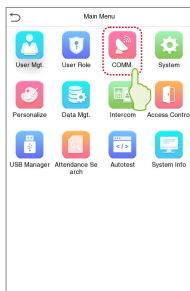
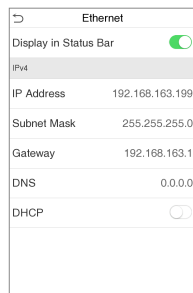
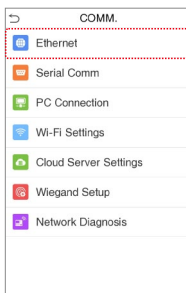
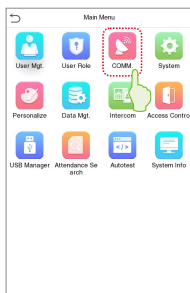
2. The users will be displayed in [**Personnel**] > [**Pending Review**].



## 13. Ethernet and Cloud Server Settings

Click  > **[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.

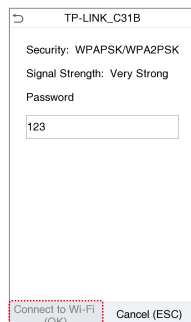
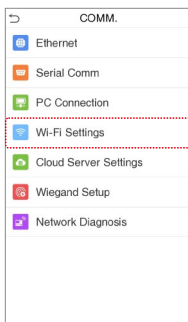
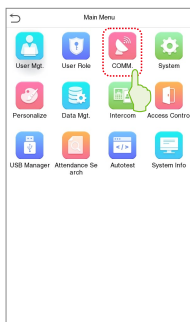
Click  > **[COMM.]** > **[Cloud Server Setting]** to set the server address and server port, that is, the IP address and port number of the server after the software is installed. If the device communicates with the server successfully, the icon  will be displayed in the upper right corner of the standby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



**Note:** While pairing the device with ZKBio CVSecurity software. Make sure that the option **Enable Domain Name** is disabled and the correct server address and port are entered.

## 14. Configuring Wi-Fi

Click  > **[COMM.]** > **[Wi-Fi Settings]** to configuring Wi-Fi. When Wi-Fi is enabled, select the searched network. Enter the password, and click **Connect to Wi-Fi (OK)**. The connection succeeds, with icon  displayed on the status bar. You can also select **Add Wi-Fi Network** to add Wi-Fi manually.



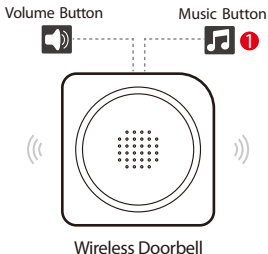
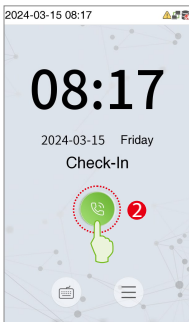
## 15. Connect the Wireless Doorbell

This function needs to be used with the wireless doorbell.

First, power on the wireless doorbell. Then, press and hold the music button  for 1.5 seconds until the indicator flashes to indicate it's in pairing mode. After that, click on the device icon , if the wireless doorbell rings and the indicator flashes, it means the connection is successful.

After a successful pairing, clicking the icon  of the device will ring the wireless doorbell.

**Note:** Generally, each device connects to one wireless doorbell.



## 16. 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

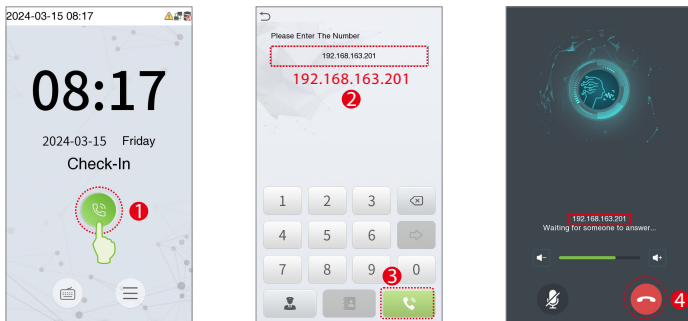
**Note:** In LAN mode, keep the SIP server off.

### Step 3: Calling the indoor monitor

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

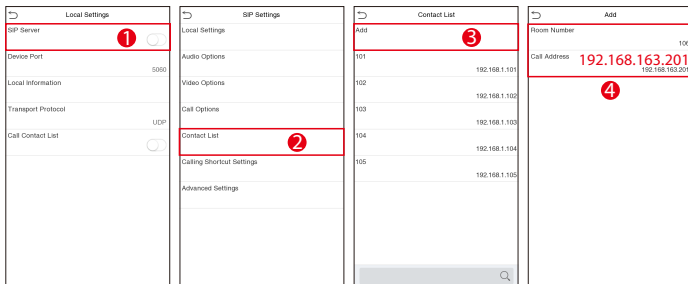
#### 1. Calling by IP Address or ROOM Number

- 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.

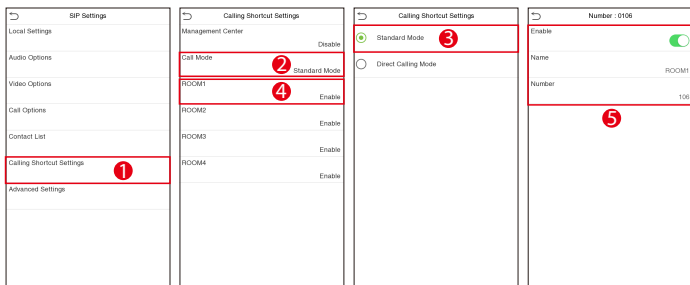


#### 2. Calling by Shortcut

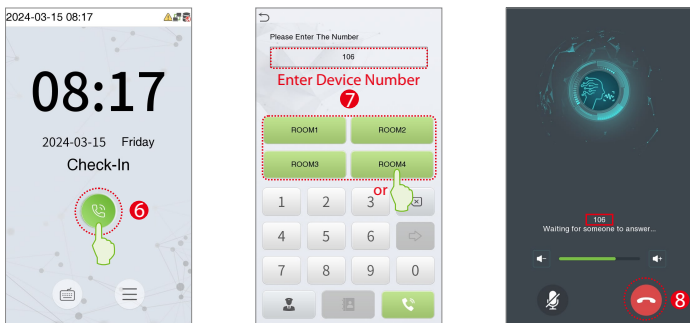
- 1) Click ☰ > [Intercom] > [SIP Settings] > [Local Settings] to turn off the SIP Server.
- 2) Then click [SIP Settings] > [Contact List] > [Add] to add a new contact member.



- 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.



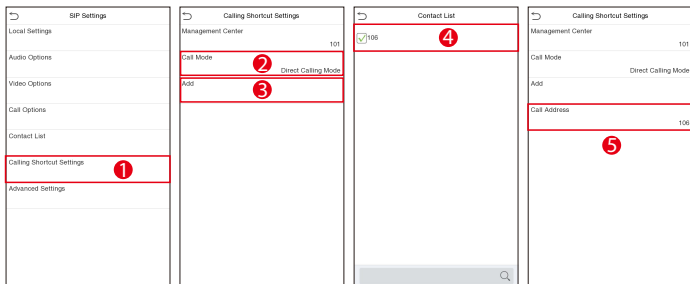
- 4) Then you can enter the device number, or click the ROOM shortcut button on the call page to call the indoor monitor.



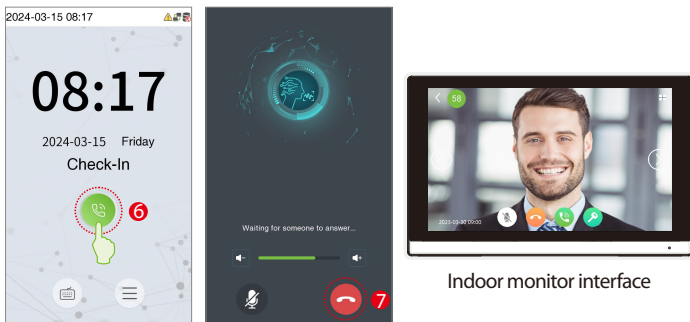
### 3. Direct Calling

- 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

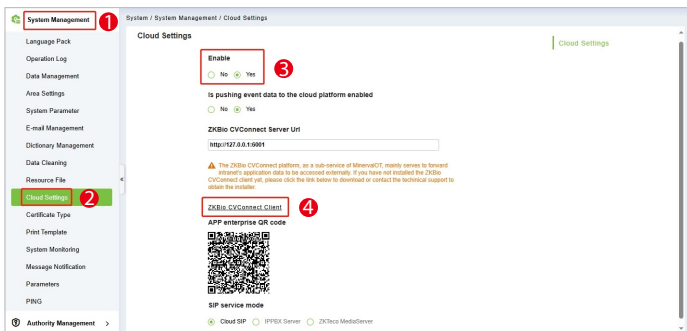
This function needs to be used with the ZKBio CVSecurity server, ZKBio Zexus Mobile APP, indoor monitor VT07-B26L-W / VT07-B22L and PC Client BioTalk Pro.

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.

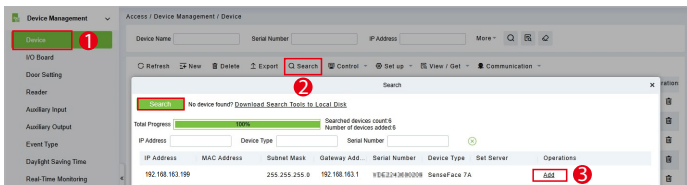
### Step 1: Enabling Cloud SIP on the ZKBio CVSecurity

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 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.

The screenshot shows the ZKBio CVSecurity interface. On the left sidebar, 'Extension Management' is expanded, and 'Extension Number' is selected (marked with a red circle 1). In the main area, 'Video Intercom / Extension Management / Extension Number' is displayed. A 'New' button is highlighted with a red circle 2. A 'New' dialog box is open, showing fields for Name (SenseFace), Extension Number (322603), Voice Mail, Registered Terminal Count (1), Incoming Call Number, Direct Dialing Address, Extension Type (SIP), Extension Password, Voice Mailbox Password, Enable Undisturbed Mode, and Calling Name. The 'Save and New' button is highlighted with a red circle 4.

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

The screenshot shows the ZKBio CVSecurity interface. On the left sidebar, 'Extension Management' is expanded, and 'Contact List' is selected (marked with a red circle 1). In the main area, 'Video Intercom / Extension Management / Contact List' is displayed. A 'New' button is highlighted with a red circle 2. A 'Contact List' table is shown with columns: Contacts Name, Description, Operation, and Binding Objects. A 'New' button is highlighted with a red circle 3. An 'Add Extension' dialog box is open, showing fields for Extension Number and Name. A table 'Selected(4)' is displayed with columns: Extension Number, Name, and Short Number. The table contains the following data:

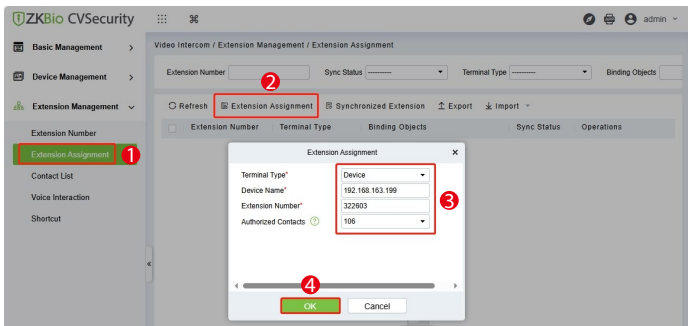
| Extension Number                           | Name           | Short Number |
|--------------------------------------------|----------------|--------------|
| <input type="checkbox"/> 322606            | PC             | 2606         |
| <input type="checkbox"/> 322605            | Indoor monitor | 2605         |
| <input type="checkbox"/> 322604            | Mick           | 2604         |
| <input checked="" type="checkbox"/> 322603 | SenseFace      | 2603         |

The 'Short Number' column is highlighted with a red circle 4. Below the table, the text 'Define the short number' is written in red. The 'OK' button is highlighted with a red circle 5.

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.

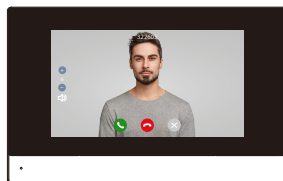
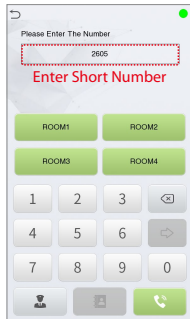
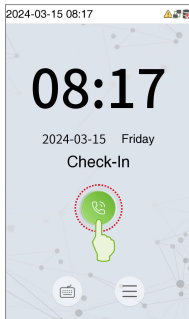
Once the SIP is set up correctly, a green dot will appear in the upper right corner of the call page, indicates that the device is connected to the server.

## 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)

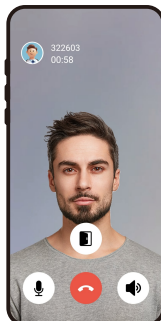
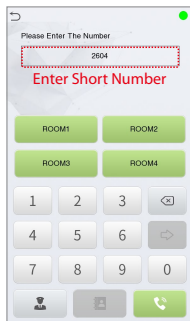
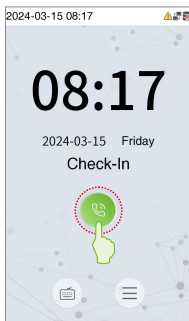
- 1) On the ZKBio CVSecurity software, click [**Video Intercom**] > [**Device Management**] > [**Device**] > [**New**] to add the indoor monitor. Then assign an extension number to the indoor monitor.
- 2) On the device, enter [**Intercom**] > [**SIP Settings**] > [**Local Settings**] > [**Call Number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

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

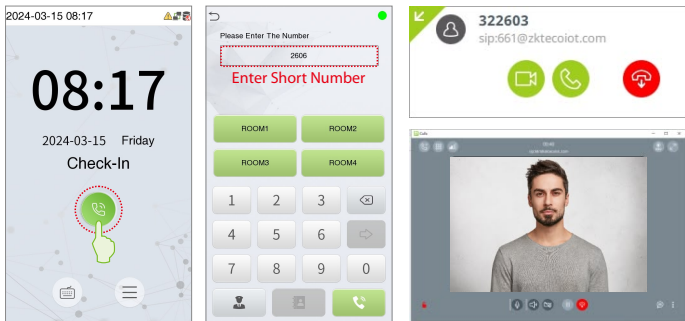
- 1) On the ZKBio CVSecurity software, assign an extension number to the personnel.
- 2) On the device, enter [Intercom] > [SIP Settings] > [Local Settings] > [Call Number Type], select the call number type as **Room Number**.
- 3) Press the  key on the device and enter the Short Number of the personnel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



## 3. Device Call the PC Client (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.



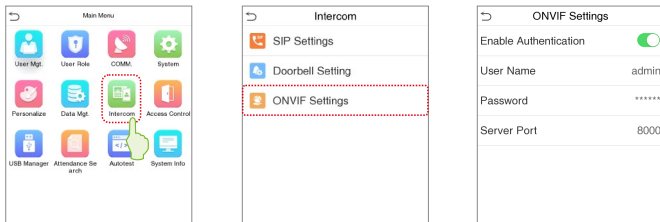
Two-way calls can be made between the device, indoor monitor, ZKBio Zexus App, and PC client (BioTalk Pro). For more details, please refer to the user manual.

## 17. ONVIF Settings

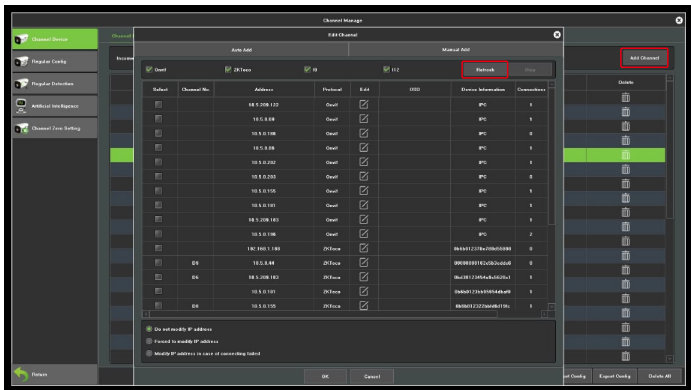
This function needs to be used with the Network Video Recorder (NVR).

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

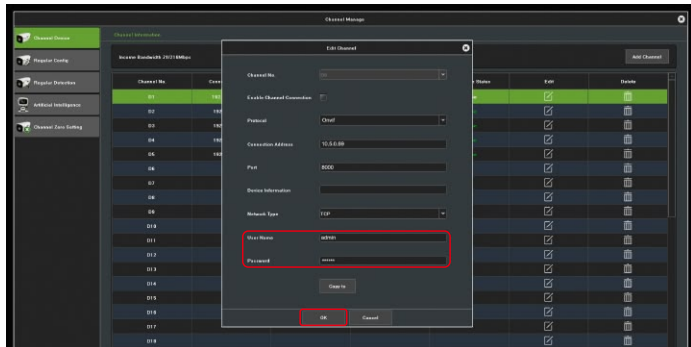
**Note:** If the Authentication function is disabled, then there is no need to input the User Name and Password when adding the device to the NVR.



- 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*.

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