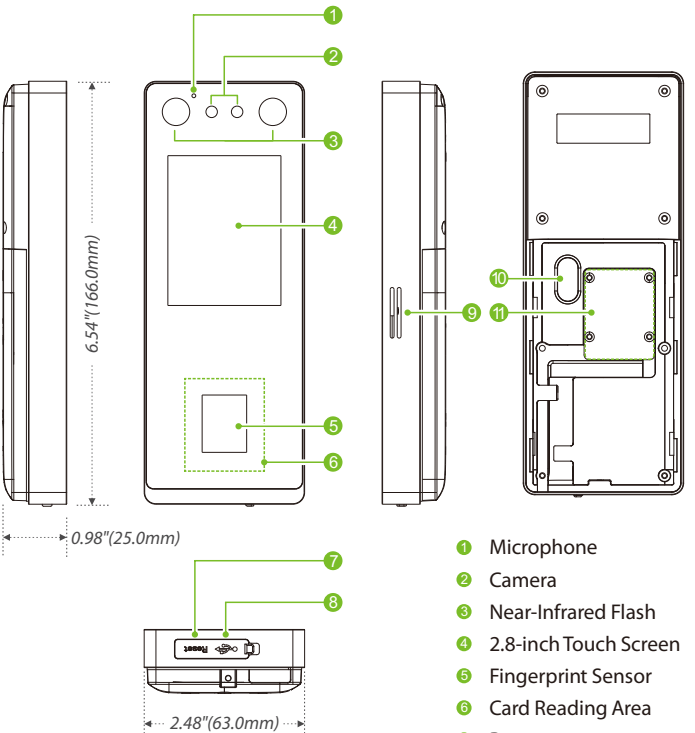
# Quick Start Guide

## BioFace A1

Version: 1.0

Due to regular upgrades of systems and products, ZKTeco could not guarantee exact consistency between the actual product and the written information in this manual.

# 1. Overview




1. Microphone
2. Camera
3. Near-Infrared Flash
4. 2.8-inch Touch Screen
5. Fingerprint Sensor
6. Card Reading Area
7. Reset
8. USB Interface
9. Speaker
10. Tamper Switch
11. Terminal Block

**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

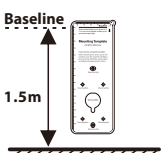
AVOID USE OF ANY HEAT SOURCE NEAR THE DEVICE

## 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.

❶

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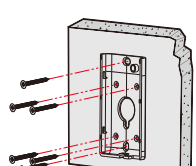

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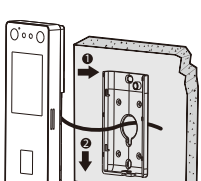

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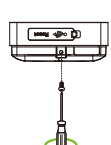
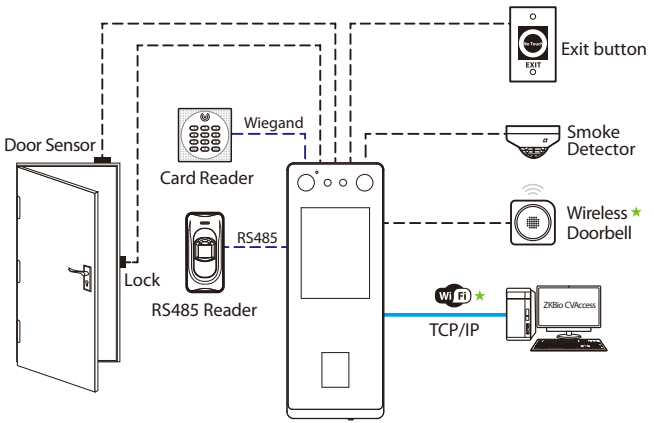
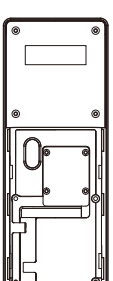
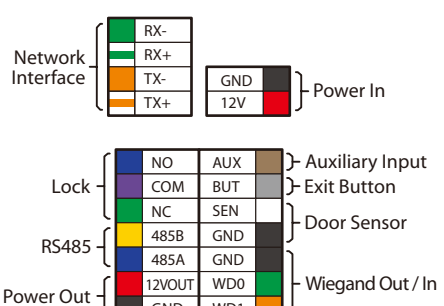


## 4. Standalone Installation



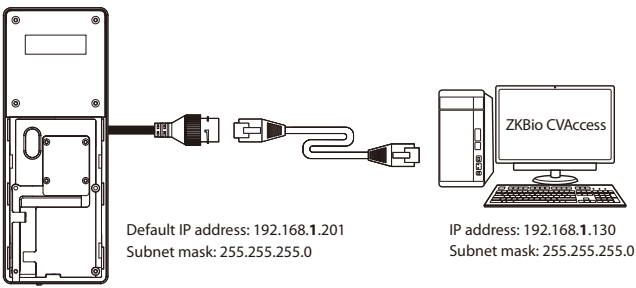

## 5. Terminal Block





## 6. Ethernet Connection

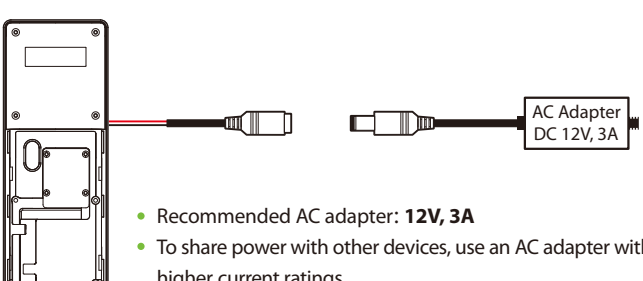
Establish the connection between the device and the software using an Ethernet cable. An illustrative example is provided below:




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

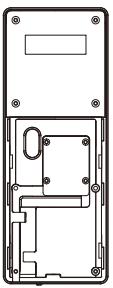
**Note:** In LAN, IP addresses of the server (PC) and the device must be in the same network segment when connecting to the software.

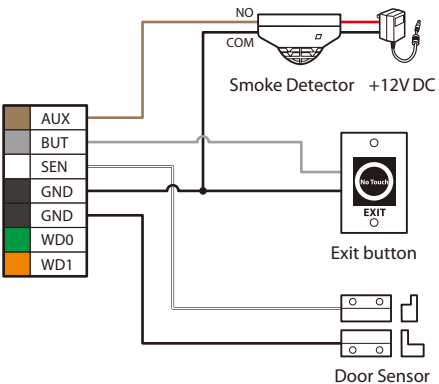
## 7. Power Connection



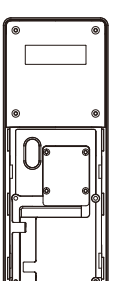

- Recommended AC adapter: **12V, 3A**
- To share power with other devices, use an AC adapter with higher current ratings.

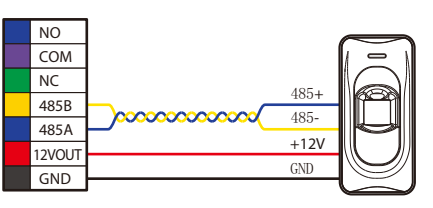
## 8. Exit Button, Door Sensor & Auxiliary Connection






## 9. RS485 Connection

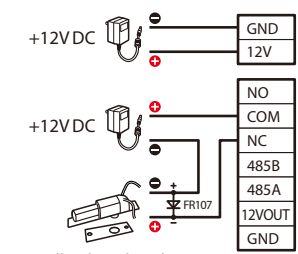




## 10. Lock Relay Connection

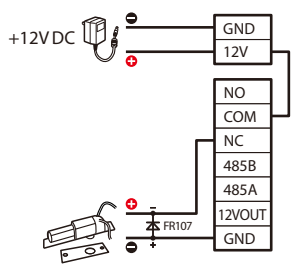
The system supports both **Normally Opened Lock** and **Normally Closed Lock**. The **NO LOCK** (normally opened at power on) is connected with '**NO**' and '**COM**' terminals, and the **NC LOCK** (normally closed at power on) is connected with '**NC**' and '**COM**' terminals. Take NC Lock as an example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

1) Device not sharing power with the lock



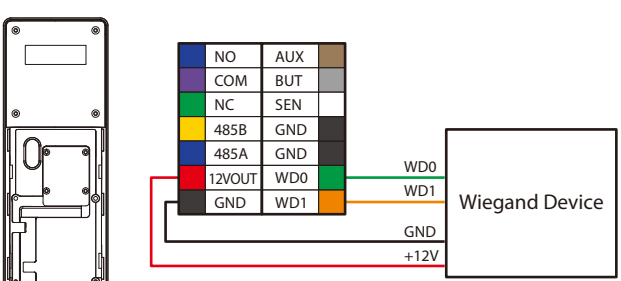

Normally Closed Lock

2) Device sharing power with the lock




Normally Closed Lock

## 11. Wiegand Reader Connection



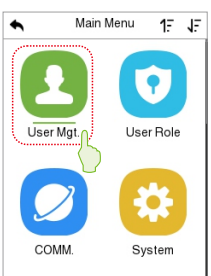

**Note:** The Wiegand interface is shared, and the user can choose to use either the Wiegand input or Wiegand output function to interface with different Wiegand devices.

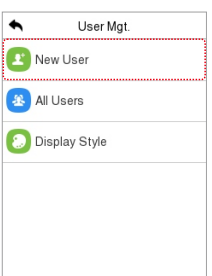
# 12. User Registration

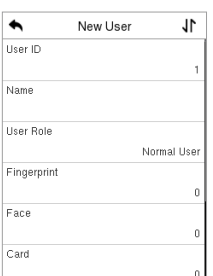
Click ⁘ to enter the Main Menu screen. When a super administrator is set up, administrator verification is required when entering the menu. For security purposes, it is recommended to register a super administrator when using it for the first time.

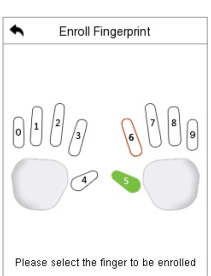
## **Method 1:** Registering on the device

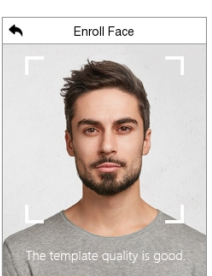
Click ⁘ > [**User Mgt.**] > [**New User**] to register a new user. The options include entering the user ID and Name, setting User Role and Access Control Role, registering Face, Fingerprint, Card Number, Password and Profile Photo.

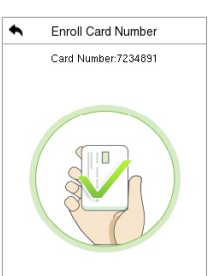


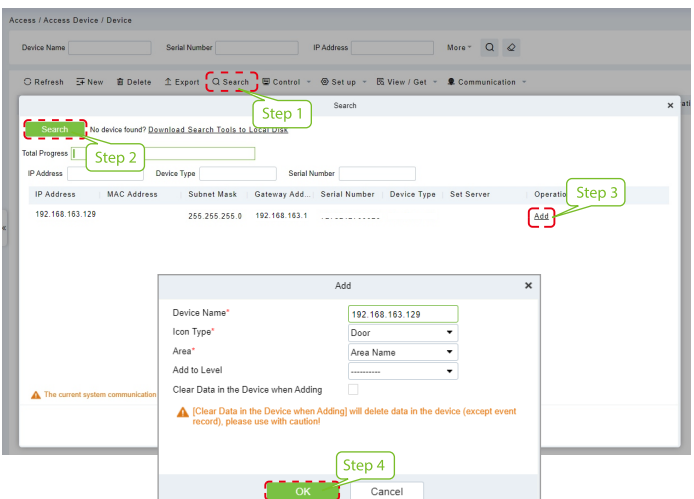



## **Method 2:** Register on ZKBio CVAccess software

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.

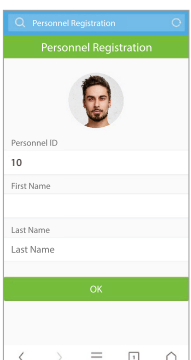


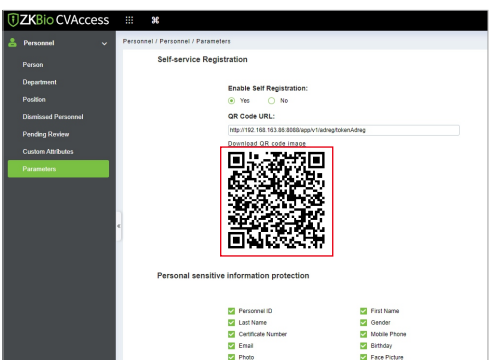

2. Click [**Add**] in operation column, a new window will pop-up. Select Icon type, Area, and Add to Level from each dropdowns and click [**OK**] to add the device.
3. Click [**Personnel**] > [**Person**] > [**New**] and fill in all the required fields to register a new users in the software.
4. Click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

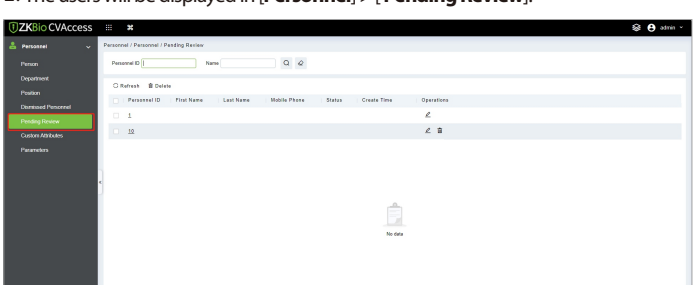
Once the ZKBio CVAccess software is installed, the users could enroll their face via a browser application on their own mobile phone.

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.



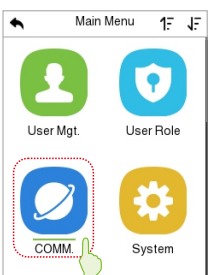

2. The users will be displayed in [**Personnel**] > [ **Pending Review**].

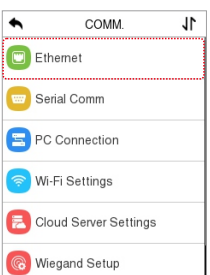


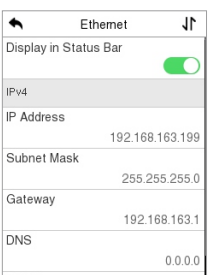
## 13. Ethernet and Cloud Server Settings

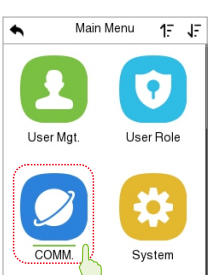
Click > [**COMM.**] > [**Ethernet**] to set the network parameters. If the TCP/IP communication of the device is successful, the icon will be displayed in the upper right corner of the standby interface.

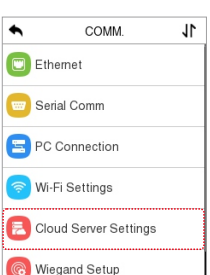
Click > [**COMM.**] > [**Cloud Server Setting**] to set the server address and server port, that is, the IP address and port number of the server after the software is installed. If the device communicates with the server successfully, the icon will be displayed in the upper right corner of the standby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

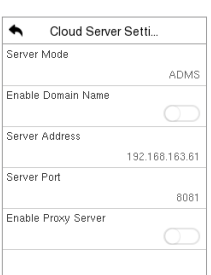


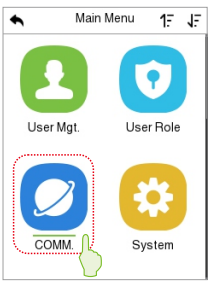



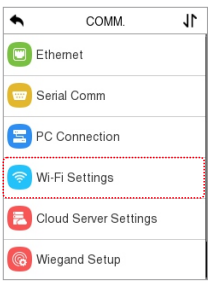




**Note:** While pairing the device with ZKBio CVAccess software. Make sure that the option **Enable Domain Name** is disabled and the correct server address and port are entered.

## 14. Configuring Wi-Fi

Tap on to view the menu. 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.

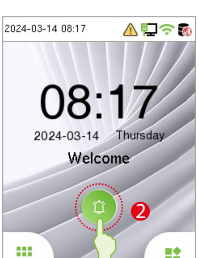


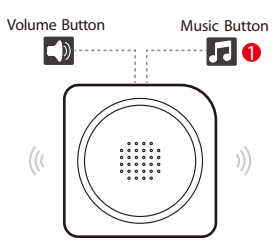



## 15. Connect the Wireless Doorbell

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

The device achieves video intercom there are two modes, respectively, the **LAN** and **SIP server**.

### Mode 1: Local Area Network Use

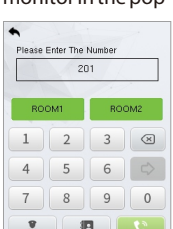
In this mode, please make sure that the SIP Server of the device is disabled. This function needs to be used with the indoor monitor VT07-B01.

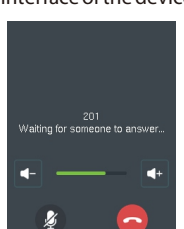
1. Set the indoor monitor to the same network segment as the device.
2. On the indoor monitor, click [**Setting**] > [**Advance Setting**] > [**Device Manage**] > [**Add**] to add the device.
3. On the device, click ≡ > [**Intercom**] > [**SIP Settings**] > [**Contact List**] > [**Add**] to add the connected indoor monitor.

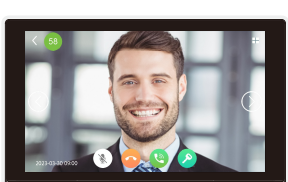
   **Room Number:** Customize the number of the indoor monitor.
   **Call Address:** It is the IP Address of the indoor monitor.

- **Enter the Number or IP Address of the Indoor Monitor**

Click icon on the device and enter the Number or IP Address of the indoor monitor in the pop-up interface of the device.

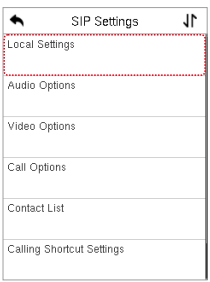


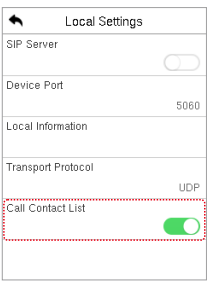



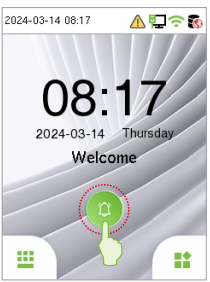



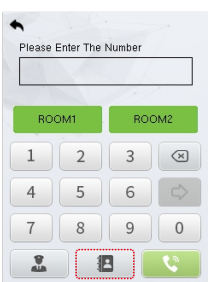
- **Call Contact List**

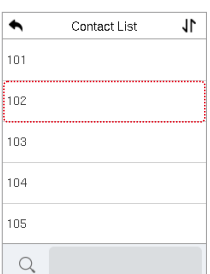
1. On the **SIP Settings** interface, click [**Local Settings**] to enable the call contact list.
2. Click icon on the device to enter the call page, then you can click the icon to open the contact list, select the number of the indoor monitor you want to call.

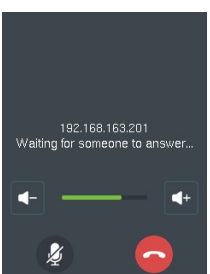


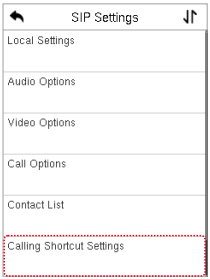



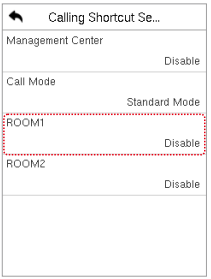



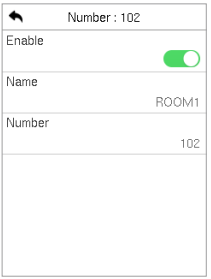



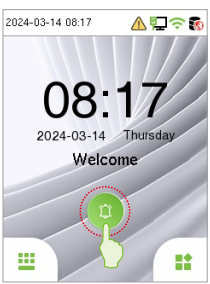

- **Calling Shortcut Keys**

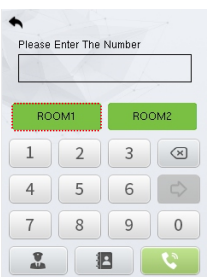
1. On the **SIP Settings** interface, click [**Calling Shortcut Settings**] to enable and define the shortcut keys.
   **Name:** Customize the name of the shortcut keys.
   **Number:** Select the room number that set in the **Contact List** Menu.
2. Click the icon on the device and click the calling shortcut keys to call the indoor monitor.

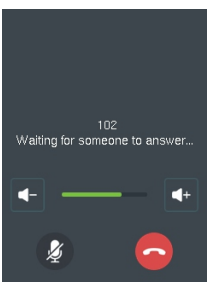


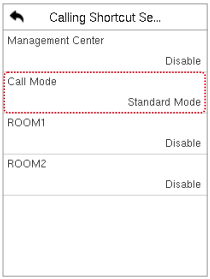



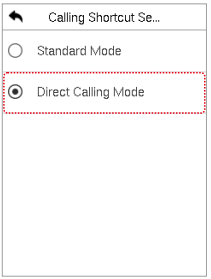



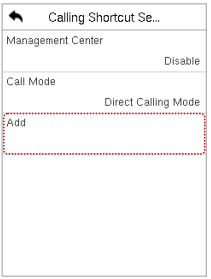



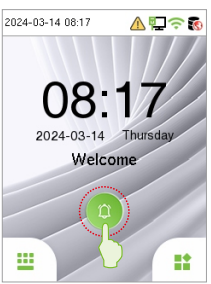

- **Direct Calling**

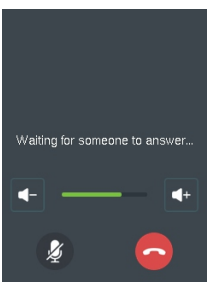
1. On the SIP Settings interface, click [**Calling Shortcut Settings**] > [**Call Mode**] > [**Direct Calling Mode**] > [**Add**]. Select the indoor monitors that you want to call, then the indoor monitors will be displayed in the list.
2. Click the icon on the device to call the indoor monitors directly.





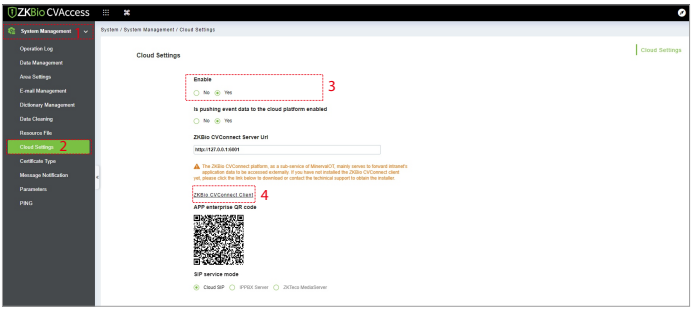




## Mode 2: SIP Server

In this mode, please make sure that the SIP Server of the device is enabled. 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.

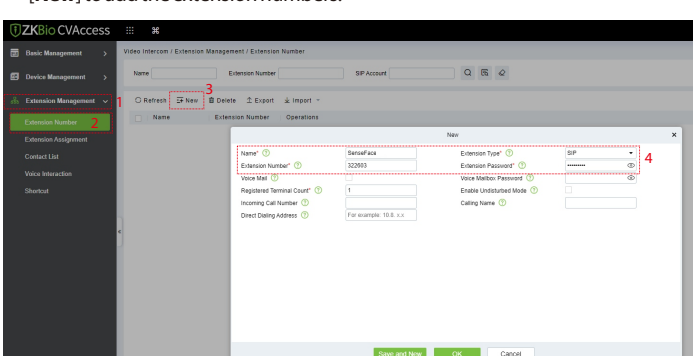
There are 2 kinds of SIP server: **Cloud SIP** and **PBX server**. Here take **Cloud SIP** as an example.

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

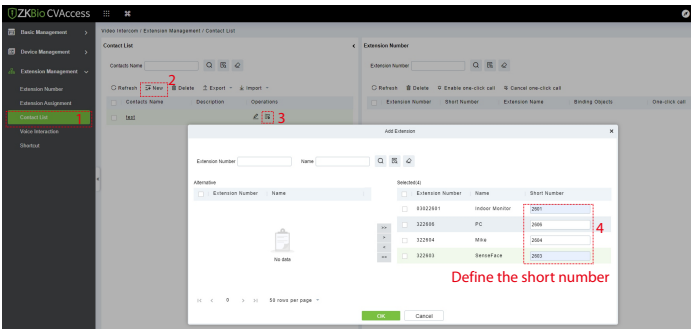



2. Add the device to the **Access** Module of the software. Then the device will be automatically synchronized to the **Video Intercom** module.

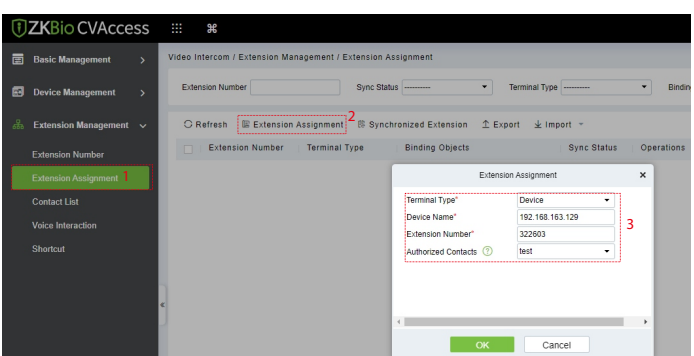
3. Click [**Video Intercom**] > [**Extension Management**] > [**Extension Number**] > [**New**] to add the extension numbers.



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




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

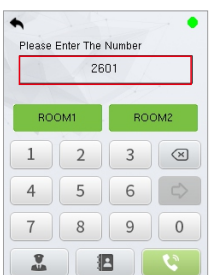


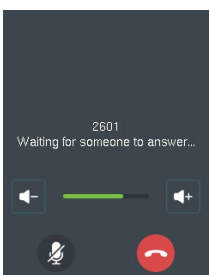

6. Once the SIP is set up correctly, a green dot will appear in the upper right corner of the call page, indicates that the device is connected to the server.

- **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. Click the icon on the device to enter the call page, enter the Short Number of the indoor monitor, or click the icon to open the contact list, select the indoor monitor you want to call.

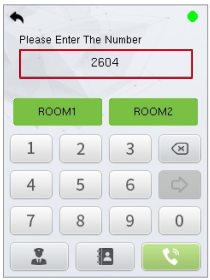
   **Note:** Click > [**Intercom**] > [**SIP Settings**] > [**Local Settings**] > [**Call Number Type**], select the call number type as **Room Number**.

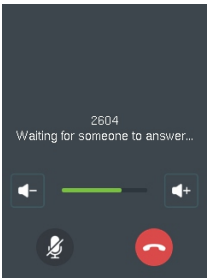


- **Device Call the Phone (ZKBio Zexus App)**

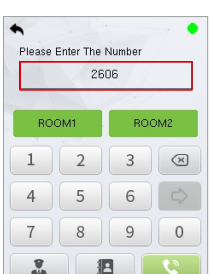
1. On the ZKBio CVAccess software, assign an extension number to the personnel.
2. Click the icon on the device to enter the call page, enter the Short Number of the personnel, or click the icon to open the contact list, select the personnel you want to call.

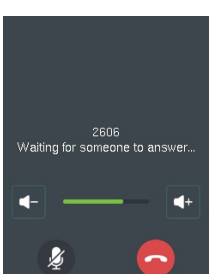


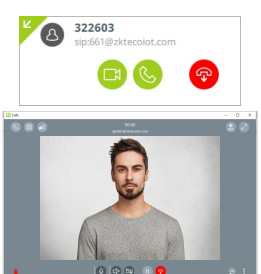



- **Device Call the PC Client (BioTalk Pro)**

1. Install the BioTalk Pro software and configure the SIP account. (The SIP account is created in the ZKBio CVAccesss.)
2. Click the icon on the device to enter the call page, enter the Short Number of the PC client, or click the icon to open the contact list, select the PC clinet you want to call.



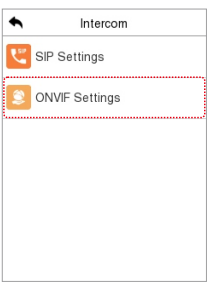



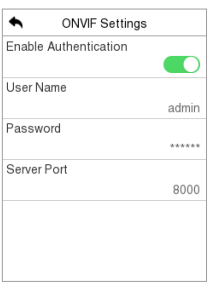

Two-way calls can be made between the device, indoor monitor, ZKBio Zexus App, and PC client (BioTalk Pro). For more details, please refer to the user manual.

## 17. ONVIF Settings

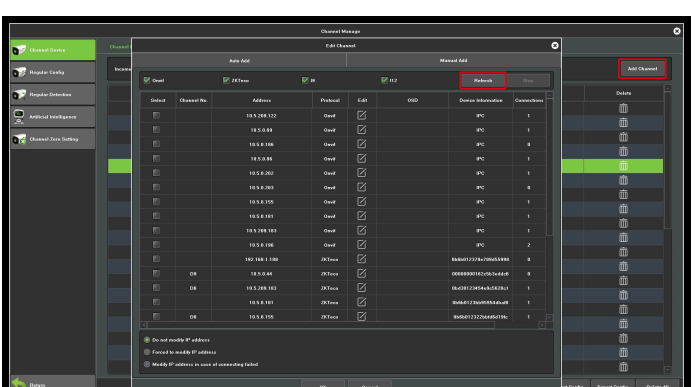
This function needs to be used with the Network Video Recorder (NVR).

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.

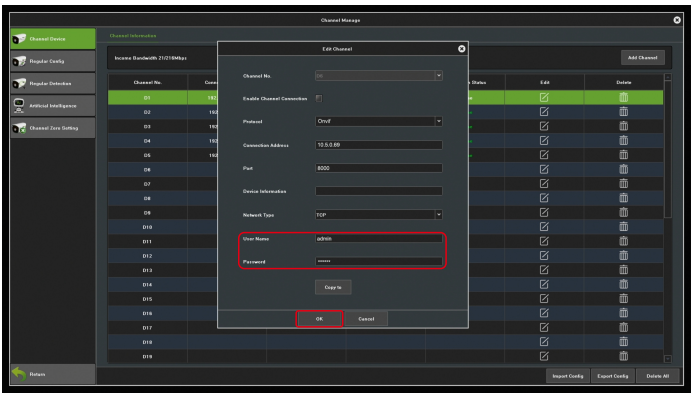



3. On the NVR system, click [**Start**] > [**Menu**] > [**Channel Manage**] > [**Add Channel**] > [**Refresh**] to search for the device.



4. Select the checkbox for the device you 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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