Quick Start Guide
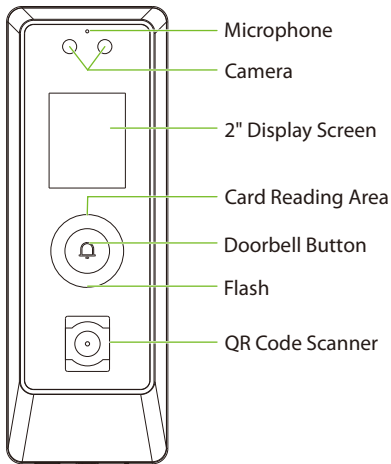
ProMA Series (ZAM230)

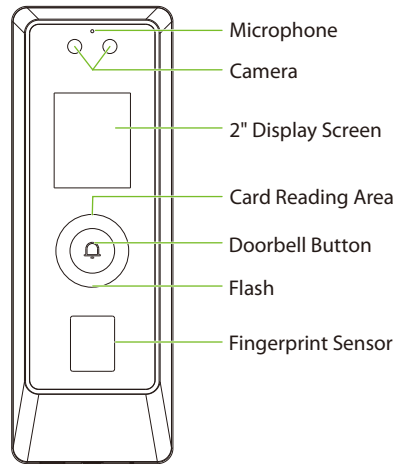Version: 1.0

1 Product Overview

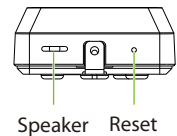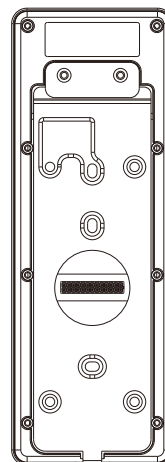**ProMA-QR**

- Microphone
- Camera
- 2" Display Screen
- Card Reading Area
- Doorbell Button
- Flash
- QR Code Scanner

ProMA

- Microphone
- Camera
- 2" Display Screen
- Card Reading Area
- Doorbell Button
- Flash
- Fingerprint Sensor

ProMA-RF

- Microphone
- Camera
- 2" Display Screen
- Card Reading Area
- Doorbell Button
- Flash

- Speaker
- Reset
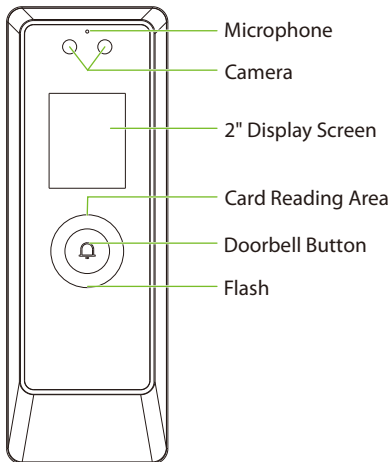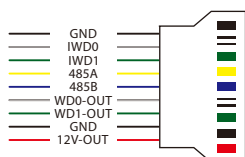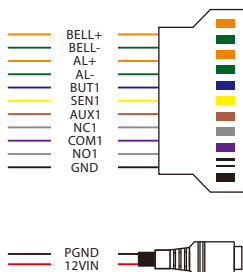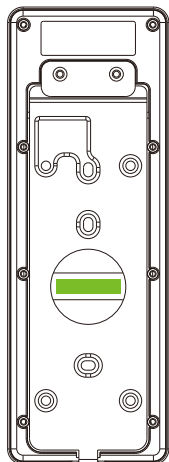
Note:

1. ProMA-QR has an additional QR code recognition function than ProMA-RF, ProMA has an additional fingerprint recognition function than ProMA -RF, and the rest are the same.

2. Not all products have the function with★ , the real product shall prevail.

2 Terminal Block

BELL+
BELL-
AL+
AL-
BUT1
SEN1
AUX1
NC1
COM1
NO1
GND

PGND
12VIN

TX+
TX-
RX+
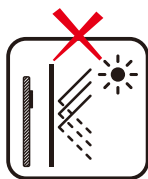RX-

GND
IWD0
IWD1
485A
485B
WD0-OUT
WD1-OUT
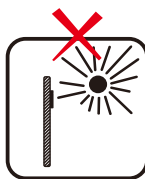GND
12V-OUT

3 Installation Environment

Please refer to the following recommendations for installation.

INSTALL INDOORS
ONLY

AVOID INSTALLATION
NEAR
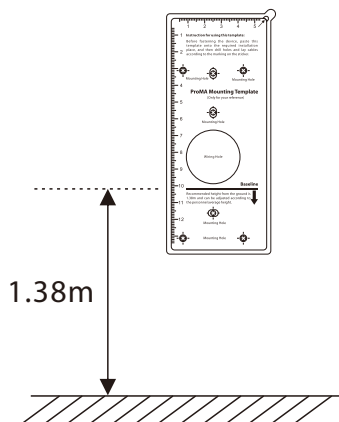GLASS WINDOWS

AVOID DIRECT
SUNLIGHT
AND EXPOSURE

AVOID USE OF ANY
HEAT SOURCE
NEAR THE DEVICE

4 Device Installation
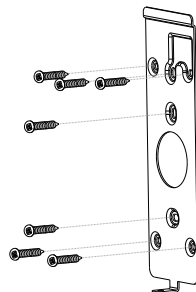
ProMA series installation are the same, the following is an example of ProMA.

① Attach the mounting template sticker to the wall, and drill holes according to the mounting paper.

② Fix the backplate on the wall using wall mounting screws.

③ Attach the device to the backplate.

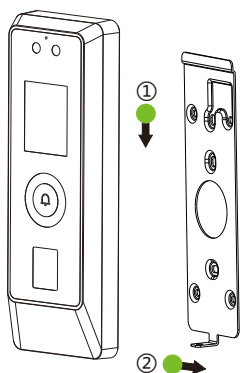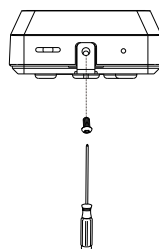④ Fasten the device to the backplate with a security screw.

1

1.38m

2

3

4

5 Standalone Installation

Alarm

Smoke Detector

Door Sensor

Reader

Lock

Exit Button

Bell

TCP/IP

ZKBio CVSecurity
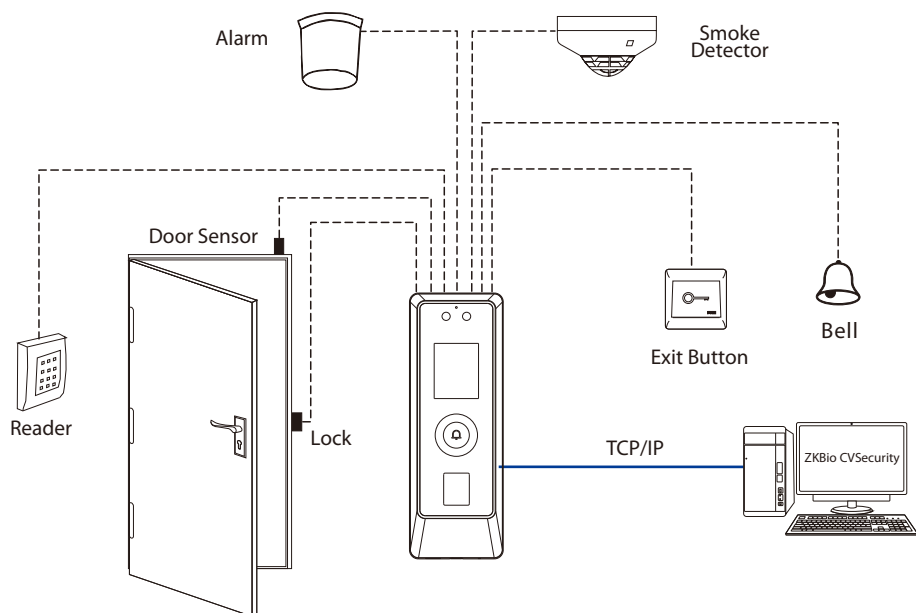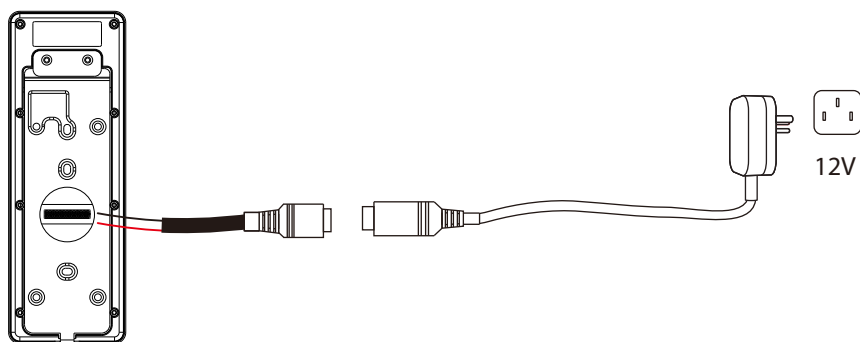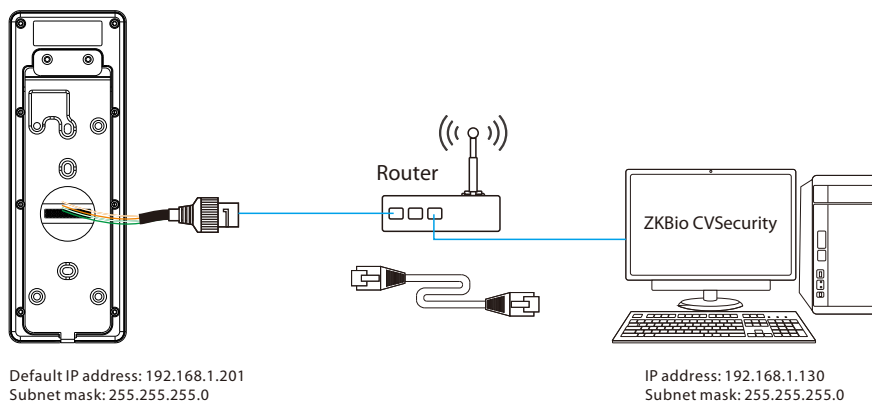
6 Power Connection

12V

Recommended AC Adapter

- Rating of 12V and 3A
- To share the device's power supply with other devices, use a power supply with higher current ratings.

7 Ethernet Connection

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

Default IP address: 192.168.1.201
Subnet mask: 255.255.255.0

IP address: 192.168.1.130
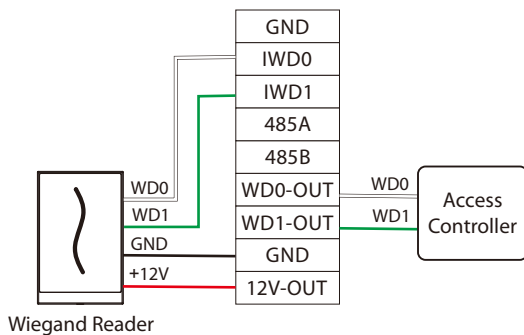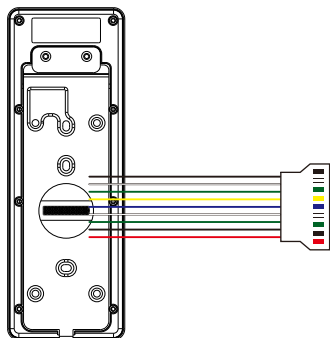Subnet mask: 255.255.255.0

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

8 Door Sensor, Exit Button, Alarm and Auxiliary Connection

9 Wiegand Connection

GND	
IWD0	
IWD1	
485A	
485B	
WD0-OUT	WD0
WD1-OUT	WD1
GND	
12V-OUT	

Wiegand Reader

Access Controller

10 RS485 Connection

GND
IWD0
IWD1
485A
485B
WD0-OUT
WD1-OUT
GND
12V-OUT

485+
485-
GND
+12V

RS485 Reader
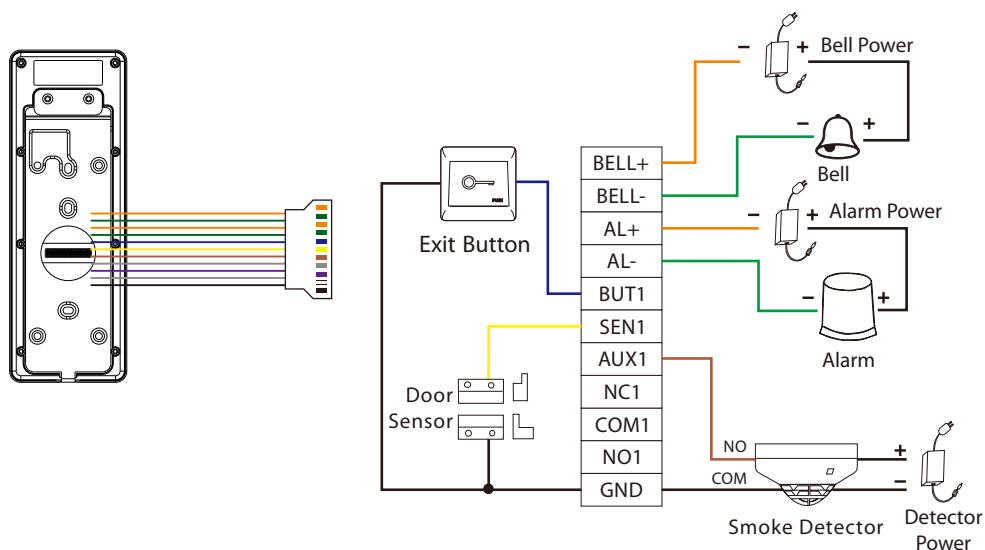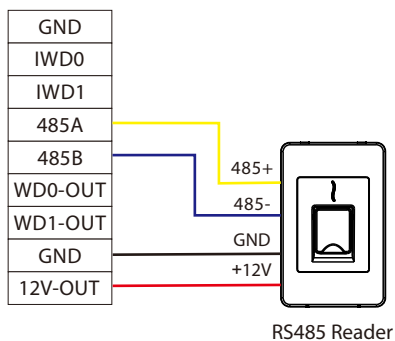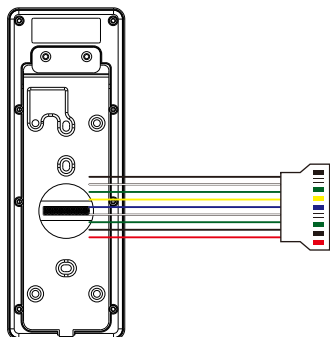
11 Lock Relay Connection

Method 1: Connecting as a Standalone

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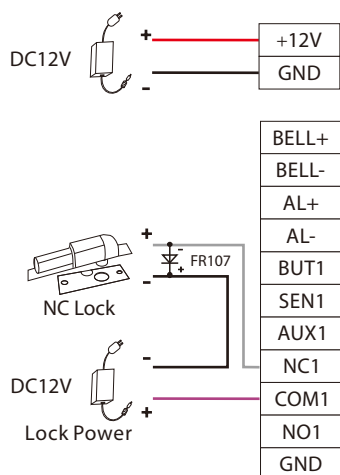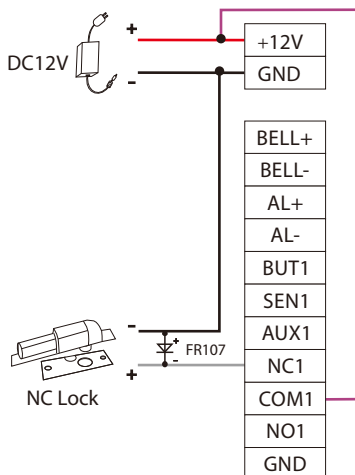**' terminals, and the **NC Lock** (normally closed when powered) is connected with '**NC**' and '**COM'** terminals. The power can be shared with the lock or can be used separately for the lock, as shown in the example with **NC Lock** below:
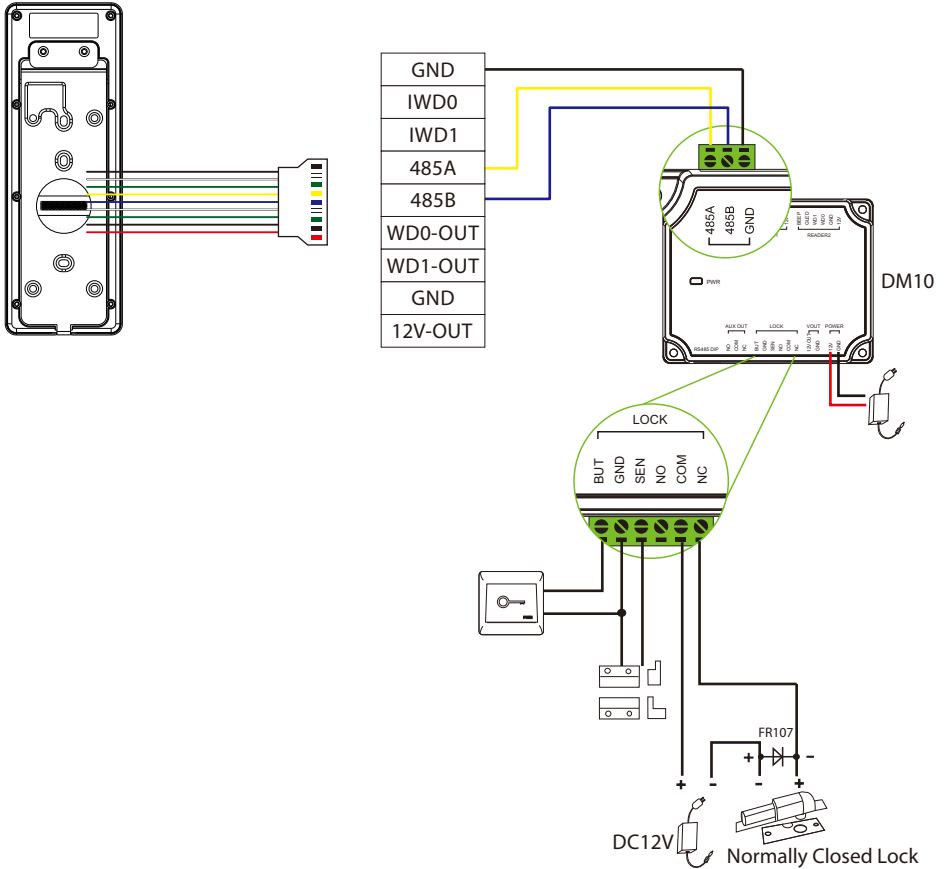

1) Device not sharing power with the lock

2) Device sharing power with the lock

## Method 2: Connecting to DM10

Note:

1) To use this function, go to **[COMM.] > [Serial Comm] > [Serial Port]** and set it to **DM10** on the Webserver. If the connection between the device and DM10 is successful, the icon ▣ will be displayed in the upper right corner of the standby interface.

2) The two lock relay connection methods cannot be used simultaneously, only one can be selected.

12 Login WebServer

All operations such as device information, communication settings, user management and system settings are operated and set up on WebServer.

1. Press and hold the Doorbell button of the device until the IP pops up. The initial IP Address is 192.168.1.201.
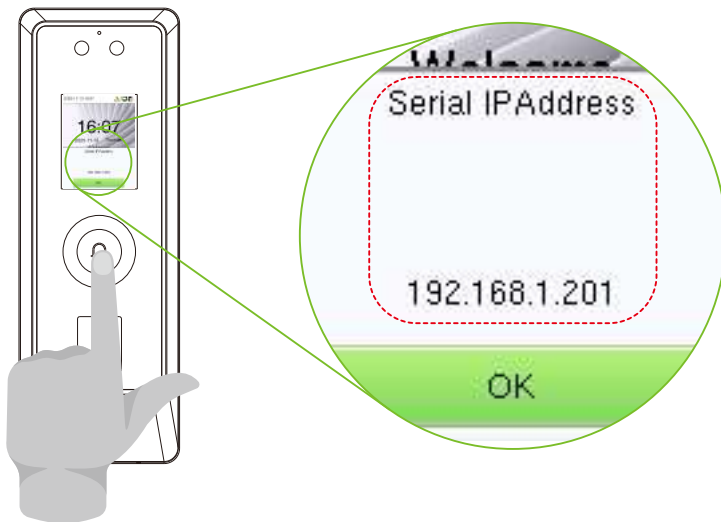
2. Open a browser to enter the address to log in the WebServer, the address is the https:// **Serial IP Address**, for example: **https://192.168.1.201**.

3. Enter the account ID and password, the default account ID is: **admin**, password: **admin@123**.

Note:

1. After logging in for the first time, it is suggested to go to **[Device Management] > [Change Password]** to reset the original password and log in again.

2. In order to retrieve the password easily, please register a super admin first.

13 User Registration

Method 1: Register on WebServer

Click on **[User Mgt.] > [All Users]** > **[New User]** on the WebServer to register a new user. Settings include entering user ID, name, password, setting rights and access control role.

Click **[Register]** to complete the registration of card number, fingerprint and face.
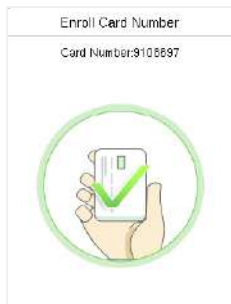
Method 2: Register on ZKBio CVSecurity Software

● **Register on the PC**

1. Set the IP address and cloud service server address in the **[COMM.]** option on the WebServer.

Note: After the IP address of the device is changed successfully, you need to log out of the currently WebServer and log in again to the IP address you just changed to connect to the device.

2. Click [**Access**] > [**Device**] > [**Search**] > [**Search**] to search the device on the software. When an appropriate server address and port is set on the WebServer, the searched devices are displayed automatically.
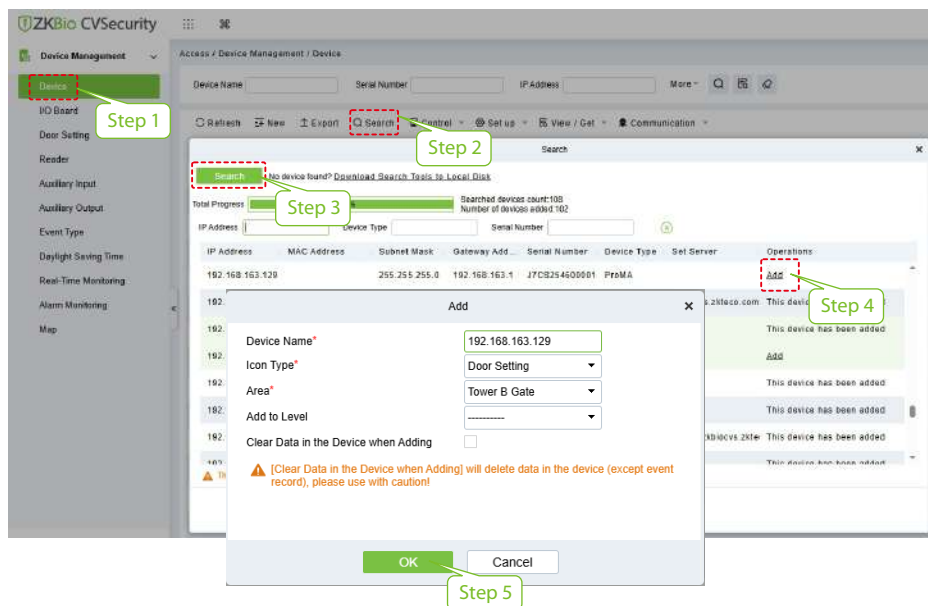
3. Click **[Add]** in operation column, a new window will pop-up. Select Icon type, Area, and Add to Level from each drop down list and click **[OK]** to add the device.

4. Click **[Personnel] > [Person] > [New]** and fill in all the required fields to register new users in the software.

5. 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*.

- **Register on the phone**

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

1. Click [**Personnel**] > [**Parameters**], enter "https://Server address: Port" in the QR Code URL bar. The software will automatically generate a QR code. Scan the QR code with a mobile phone or visit "https://Server address: Port/tokenAdreg" by the mobile phone browser to register users.
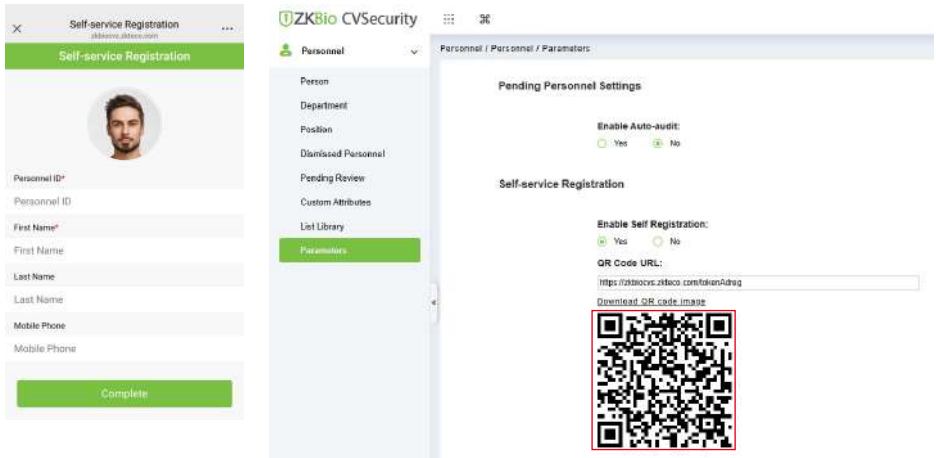

2. The users will be displayed in [**Personnel**] > [**Pending Review**]. Click the [**Review**] option and assign a department, then click [**OK**] to successfully add the user.
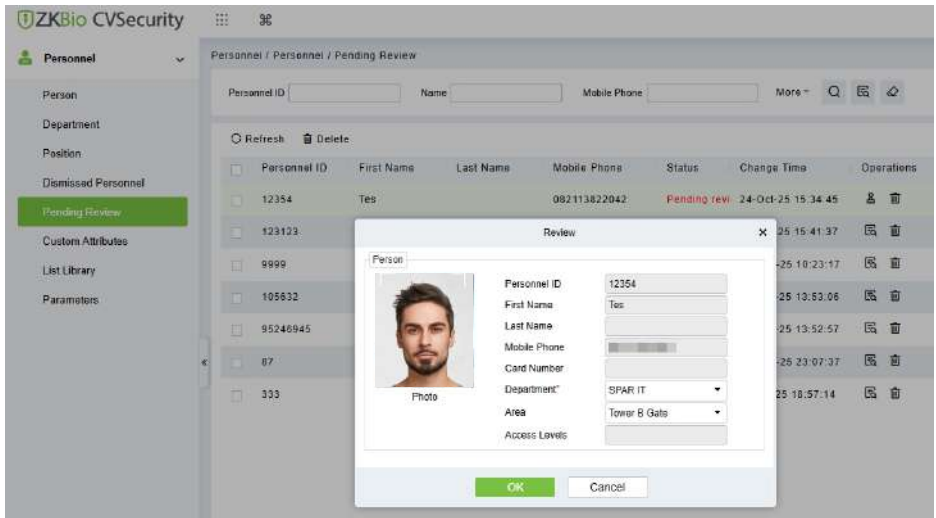
14 Dynamic QR Verification ★

1. In ZKBio CVSecurity, click **[System]** > **[System Management]** > **[Parameters]**, set **Enable QR Code** to "Yes", and select the Qrcode Type as **Dynamic**.

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 Settings] > [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.
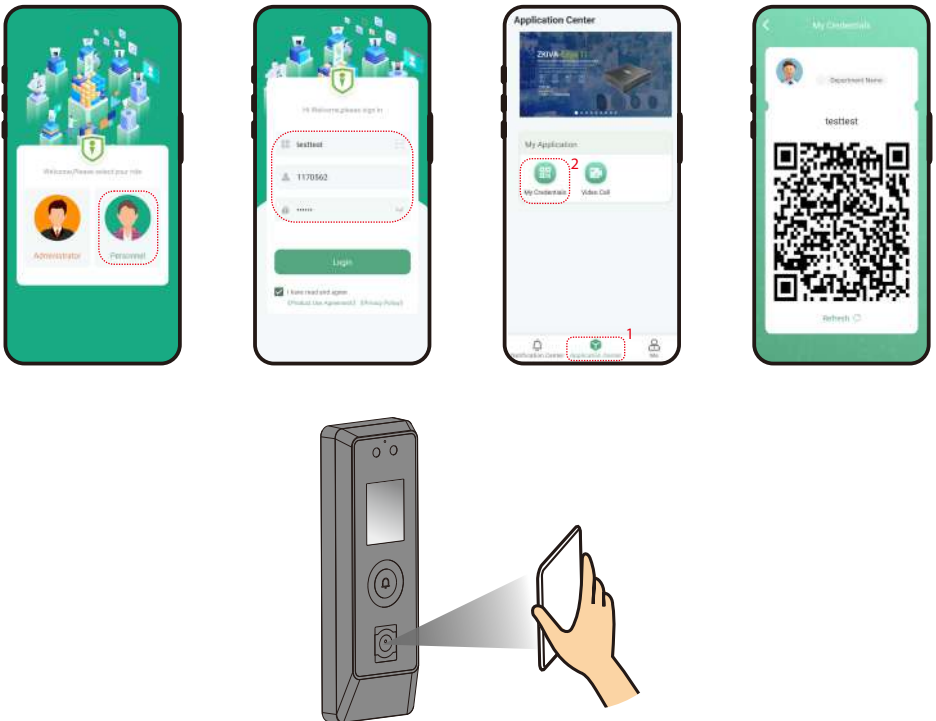
Note:

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

2. This feature is only available for ProMA-QR.

15 SIP Settings

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

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, go to **[Intercom] > [SIP Settings] > [Contact List]> [Add]** on the WebServer to add the connected indoor monitor.
   Room Number: Customize the number of the indoor monitor.
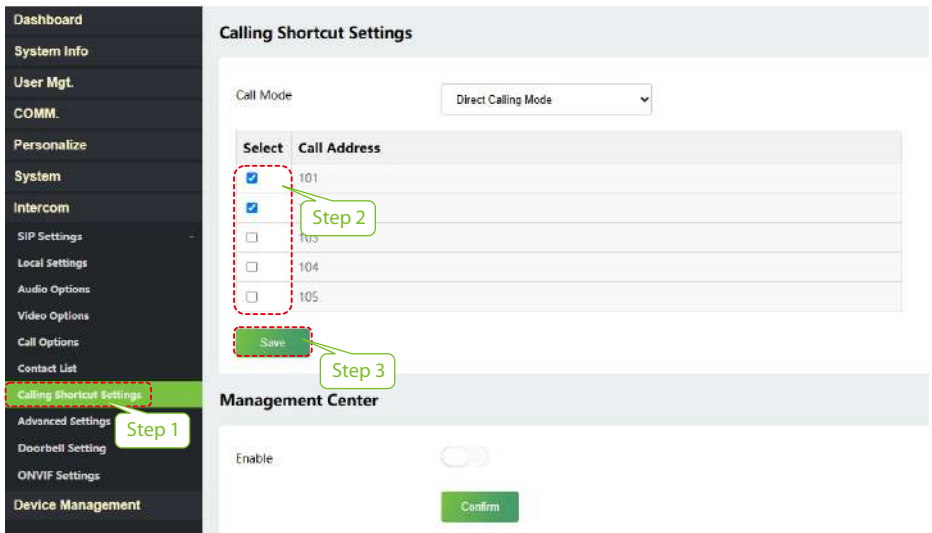   **Call Address:** It is the IP Address of the indoor monitor.

4. Click **[Calling Shortcut Settings]**. Select the indoor monitors that you want to call, then click **[Save]**.

5. Press the doorbell button on the device to call the indoor monitors directly.

Note: The device only supports the Direct Calling Mode.

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 CVSecurity 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 CVSecurity software, click **System > System Management > Cloud Settings** to enable the Cloud SIP service. Click **ZKBio CVConnect Client** to download and install it. (**Note:** For detailed installation and activation steps, refer to the *ZKBio Zexus Mobile App User Manual*.)
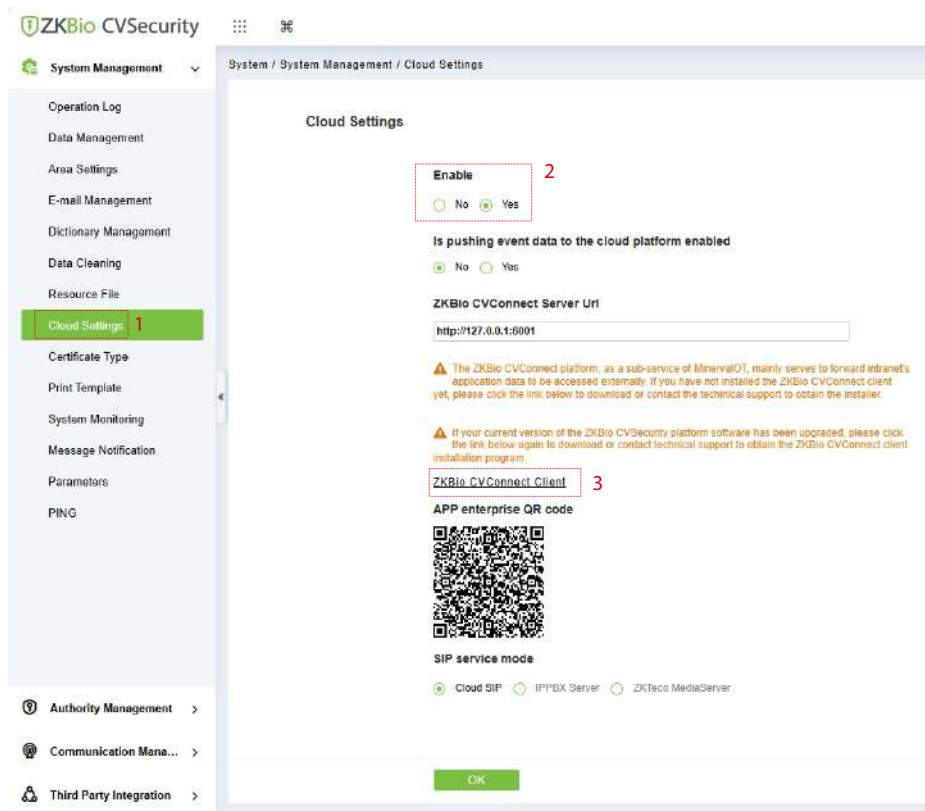
2. Add the device to the **Access** Module of the software. Then the device will automatically synchronize with the **Video Intercom** module.

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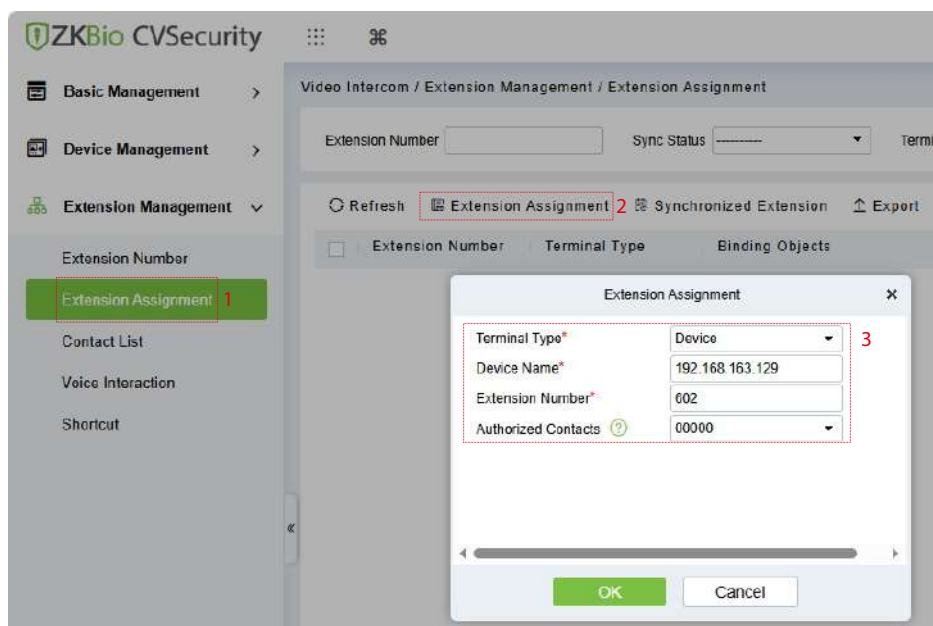

4. Click **Contact List > New** to add the contacts. Then click the 🖭 icon to add extension numbers to it.

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

6. After successful assignment, user can go to **[Intercom] > [SIP Settings] > [Local Settings]** on the WebServer to see that the server account information have been automatically set.

- **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 WebServer, click **[Calling Shortcut Settings**]. Select the indoor monitors that you want to call, then click **[Save]**.

3. Press the doorbell button on the device to call the indoor monitors directly.
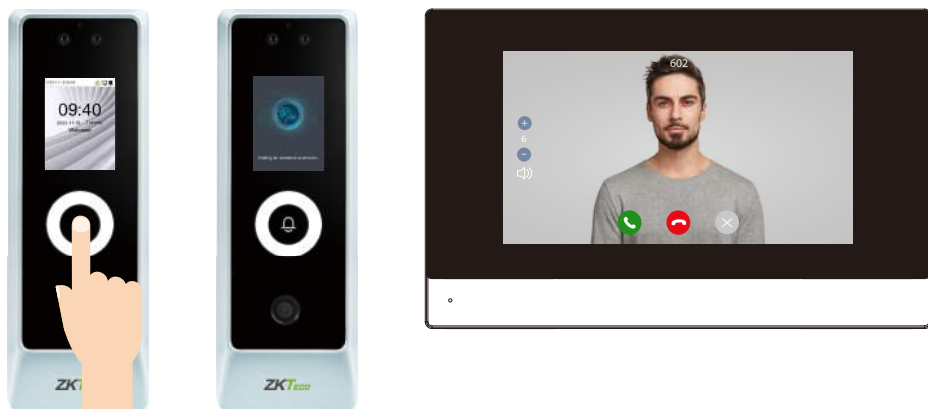
- **Device Call the Phone (ZKBio Zexus App)**

1. On the ZKBio CVSecurity software, assign an extension number to the personnel.

2. On the WebServer, click **[Calling Shortcut Settings**]. Select the personnel that you want to call, then click **[Save]**.

3. Press the doorbell button on the device to call the personnel directly.

- **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 CVSecurity.)

2. On the WebServer, click **[Calling Shortcut Settings]**. Select the PC that you want to call, then click **[Save]**.

3. Press the doorbell button on the device to call the PC directly.
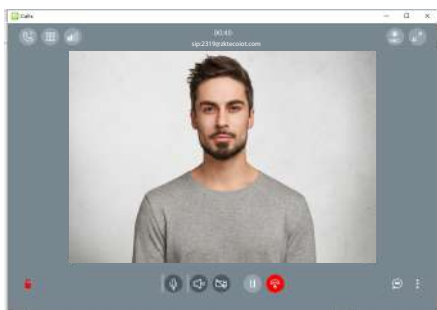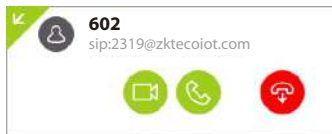
For more details, please refer to the user manual.

16 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. On the WebServer, go to **[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.
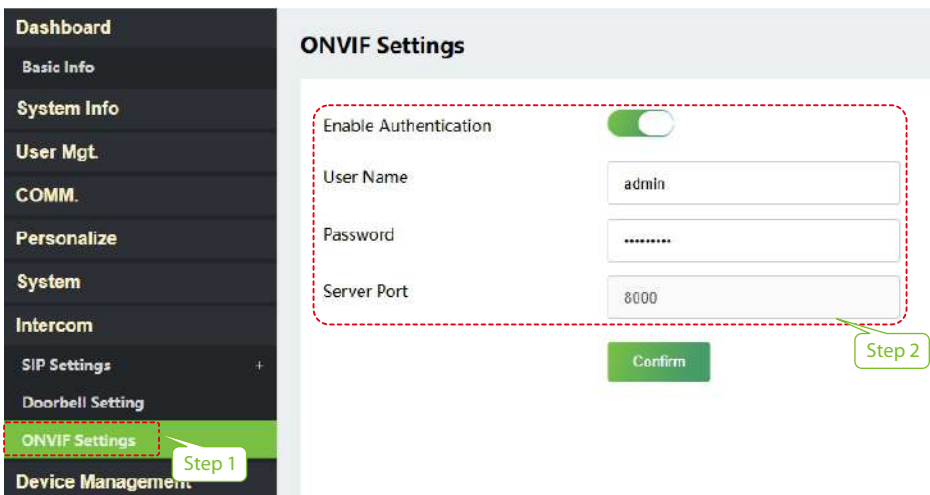
3. On the NVR system, click **Start > Menu > Channel Manage > Add Channel > Refresh** to search for the device.
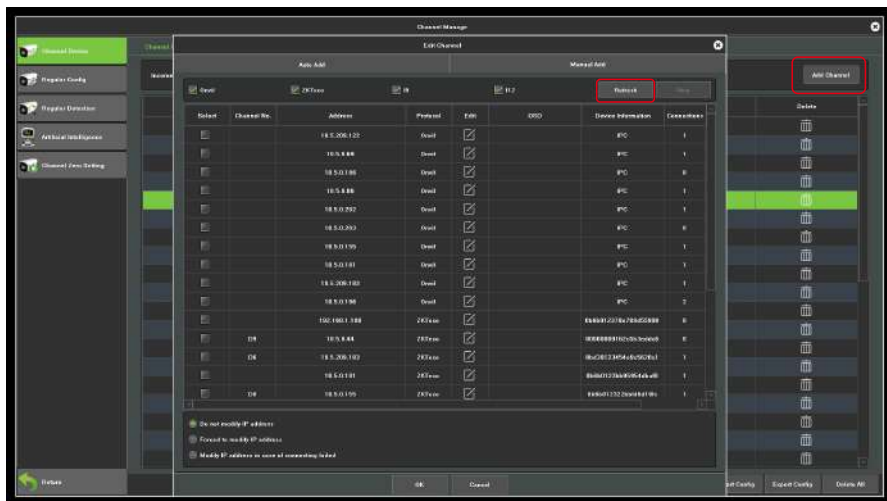
4. Select the checkbox for the device you want to add and edit the parameters in the corresponding text field, then click on **OK** to add it to the connection list.
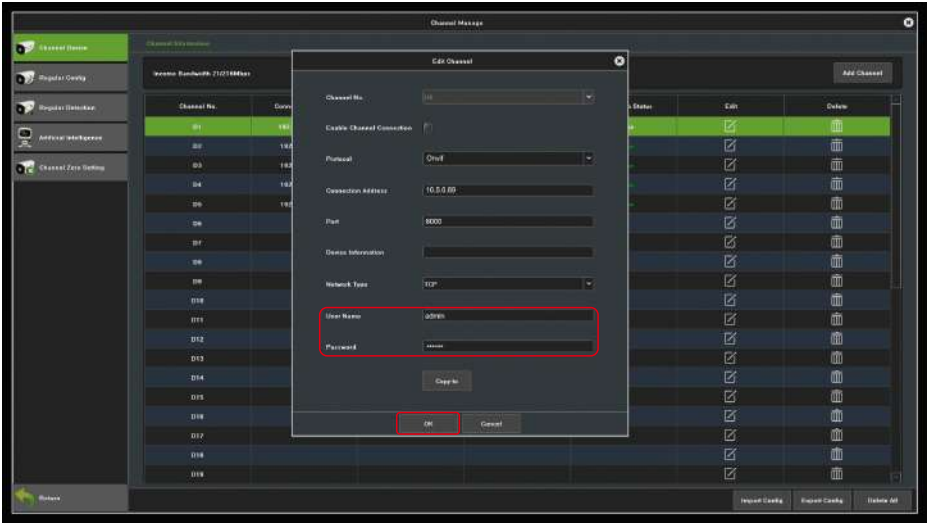
5. After successfully adding, the video image obtaining from the device can be viewed in real-time.

For more details, please refer to the *NVR User Manual*.

ZKTeco Industrial Park, No. 32, Industrial Road,

Tangxia Town, Dongguan, China.

Phone　　: +86 769 - 82109991

Fax　　　: +86 755 - 89602394

www.zkteco.com