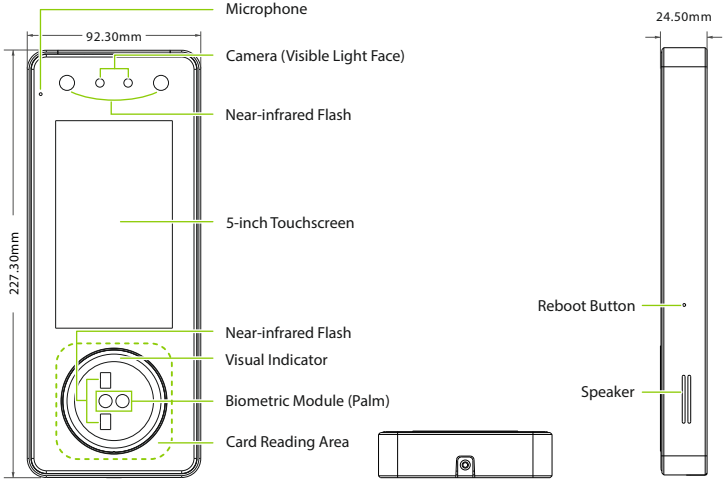
Quick Start Guide

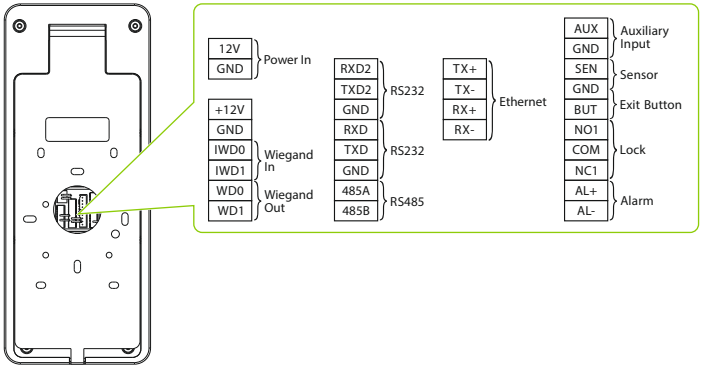
SpeedPalm-V5L

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.

Overview


Microphone
92.30mm
Camera (Visible Light Face)
Near-infrared Flash
5-inch Touchscreen
227.30mm
Near-infrared Flash
Visual Indicator
Biometric Module (Palm)
Card Reading Area
24.50mm
Reboot Button
Speaker


12V
GND
Power In
+12V
GND
IWD0
IWD1
Wiegand In
WD0
WD1
Wiegand Out
RXD2
TXD2
GND
RS232
RXD
TXD
GND
RS232
485A
485B
RS485
TX+
TX-
RX+
RX-
Ethernet
AUX
GND
Auxiliary Input
SEN
GND
Sensor
BUT
Exit Button
NO1
COM
NC1
Lock
AL+
AL-
Alarm

Installation Environment

Please refer to the following recommendations for installation.

INSTALL INDOORS ONLY

KEEP EFFECTIVE DISTANCE OF 0.3 to 2m

AVOID INSTALLATION NEAR GLASS WINDOWS

AVOID DIRECT SUNLIGHT AND EXPOSURE

AVOID USE OF ANY HEAT SOURCE NEAR THE DEVICE

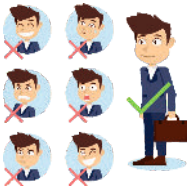
Recommended Palm Gestures

Note:

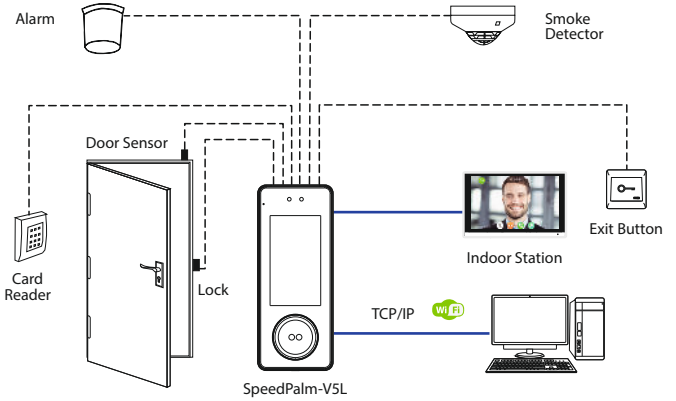
1. Place your palm within **5 to 15 cm** of the device.
2. Place your palm in front of the biometric module, such that the palm is placed parallel to the device.
3. Make sure to keep space between your fingers.

Recommended Standing Posture and Facial Expression

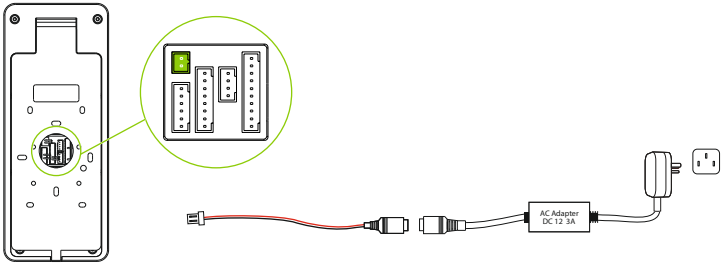
Please keep your facial expression and standing posture natural while enrolment or verification.



Standalone Installation



Power Connection

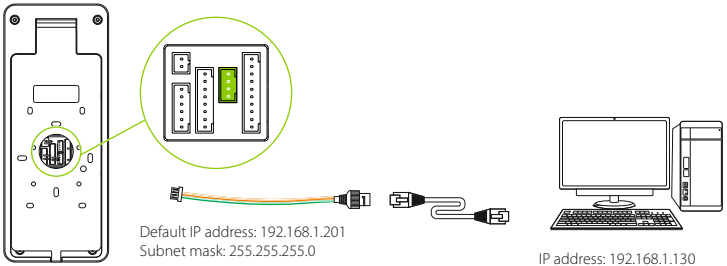


Recommended power supply

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

Ethernet Connection

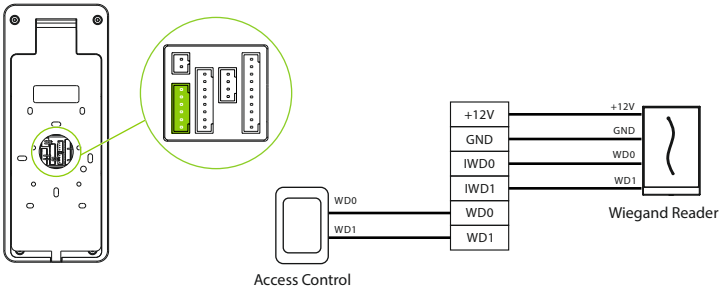
Connect the device and computer software over an Ethernet cable. As shown in the example below:



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

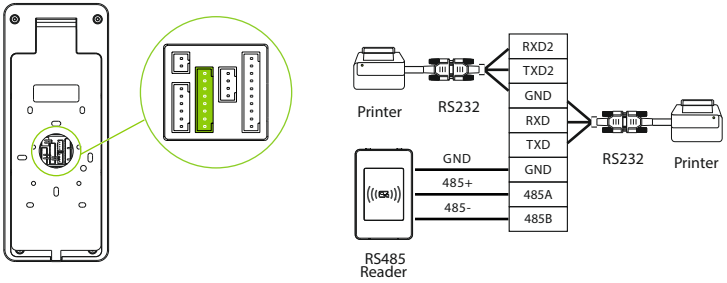
Note: In LAN, the IP addresses of the server (PC) and the device must be in the same network segment when connecting to the **ZKBio CVAccess/ZKBio Time /ZKBio CVSecurity** software.

Wiegand Connection



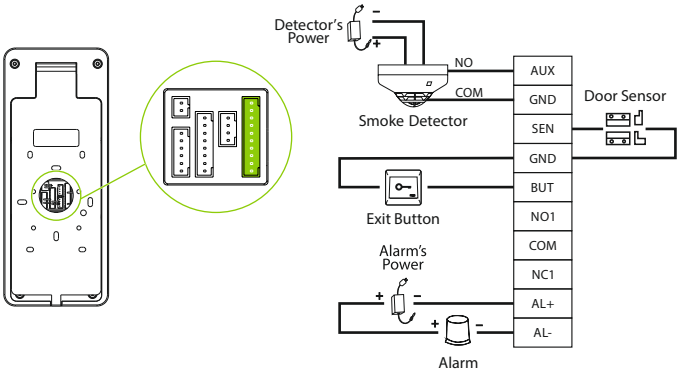
RS485 and RS232 Connection ★

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



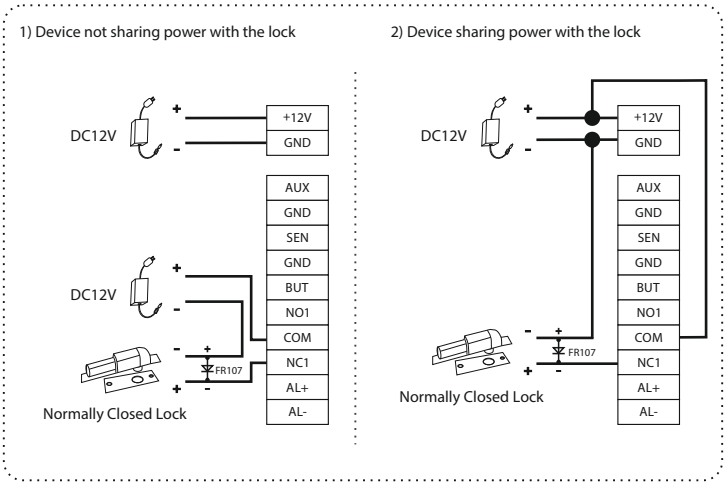
Note: Not all products have the function with ★, the real product shall prevail.

Door Sensor, Exit Button & Auxiliary Connection



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:

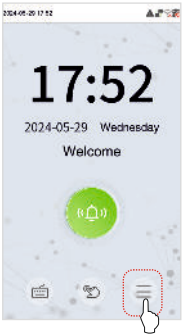


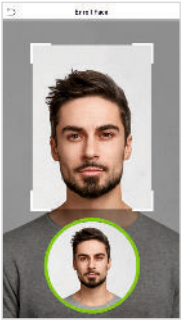
User Registration

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 and Access Control Role, registering Face, Palm, Card, Password and Profile Photo.



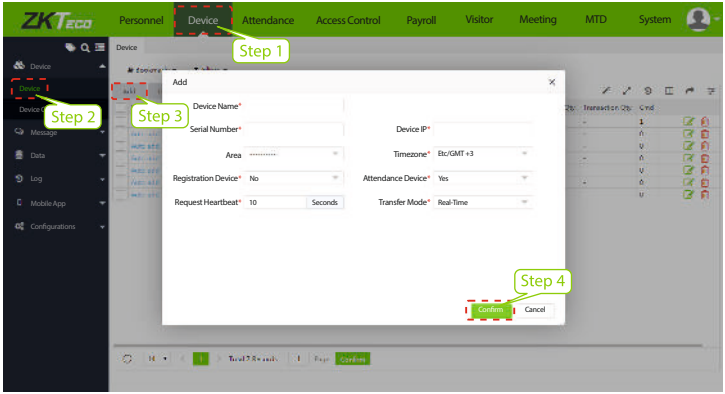


Method 2: Registering on ZKBio Time Software

- **Register on the PC**

Please set the IP address and cloud service server address on the device.

1. Click **[Device]** > **[Device]** > **[Add]** to add the device to the software. It can automatically be added when the device's server address and port are set.



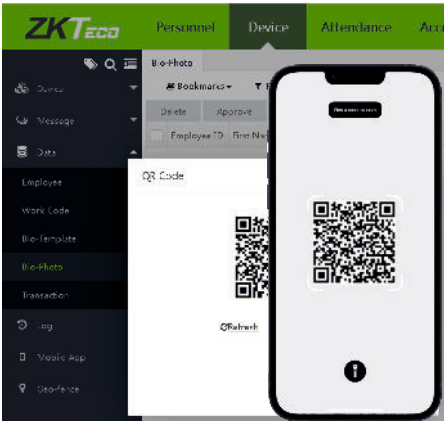
2. Click **[Personnel]** > **[Employee]** > **[Employee]** > **[Add]** to register users in the software.
3. Synchronize personnel on the software to the devices in the corresponding area.
4. In the personnel list, select an employee(s) and click **[More]** > **[Resynchronize to device]** to access the confirmation interface for synchronizing.

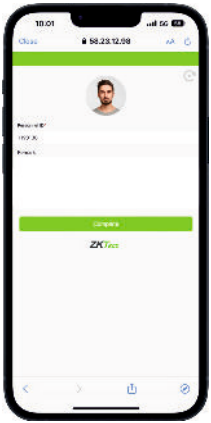
For more details, please refer to the *ZKBio Time User Manual*.

- **Register on the Phone**

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

Click **[Device]** > **[Data]** > **[Bio-Photo]** > **[QR Code]** scan the QR code to enroll user's face template.





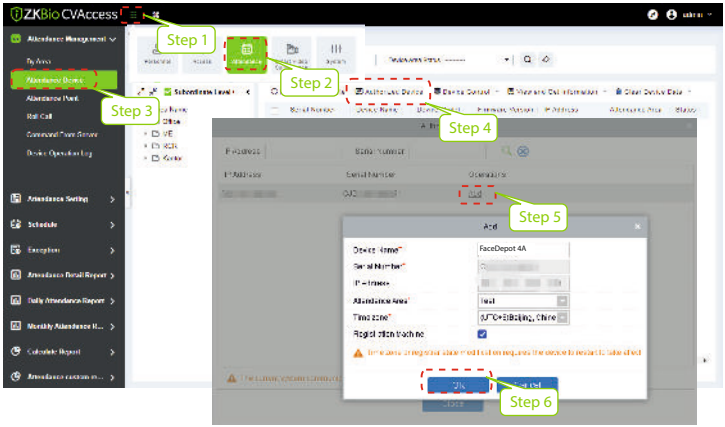
Note: Before registering a person's face, you need to register the information about the user on ZKBio Time software in advance. As, personnel ID, name and phone number, etc.

Method 3: Register on ZKBio CVAccess Software

- **Register on the PC**

Please set the IP address and cloud service server address in the Comm. Menu option on the device.

1. Click **[Attendance]** > **[Attendance Device]** > **[Authorized Device]** 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.

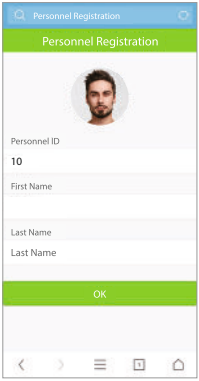
4. Click **[Attendance]** > **[Attendance Device]** > **[Device Control]** > **[Synchronize Software Data to the Device]** to synchronize all the data to the device including the new users.

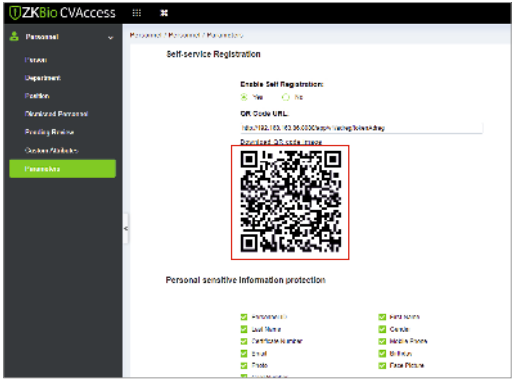
For more details, please refer to the *ZKBio CVAccess User Manual*.

- **Register on the Phone**

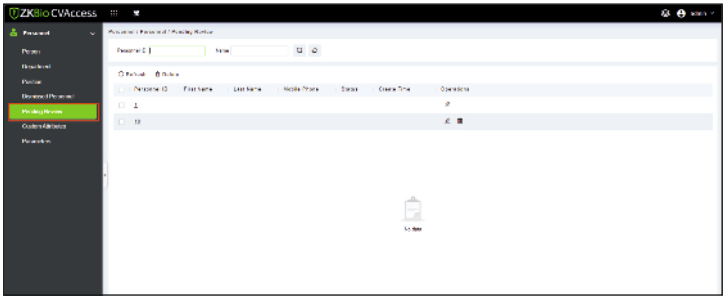
Once the ZKBio CVAccess software is installed, the users could enroll their face via a browser application on their own mobile phone.

1. Click **[Personnel]** > **[Parameters]**, input "http://Server address: Port" in the QR Code UGL 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]**, click **[View]**.

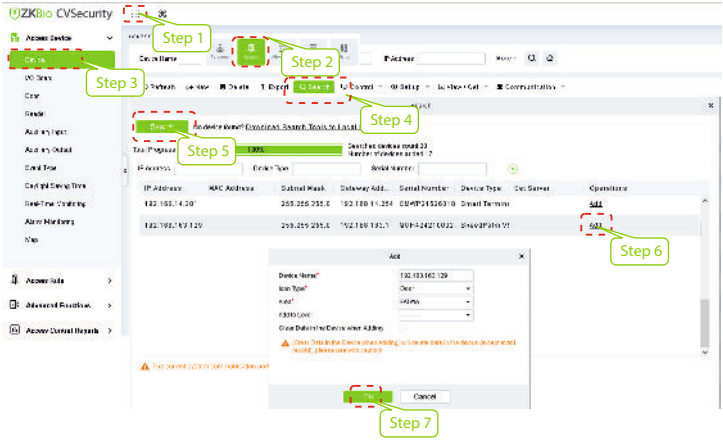


Method 4: Register on ZKBio CVSecurity Software

- **Register on the PC**

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 Device]** 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.

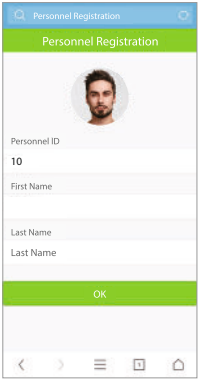
4. Click **[Access]** > **[Access Device]** > **[Device Control]** > **[Synchronize Software Data to the Device]** to synchronize all the data to the device including the new users.

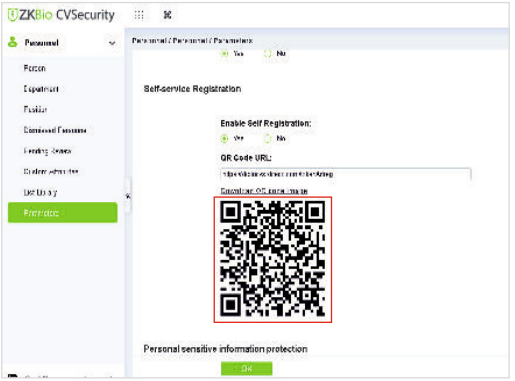
For more details, please refer to the *ZKBio CVSecurity User Manual*.

- **Register on the Phone**

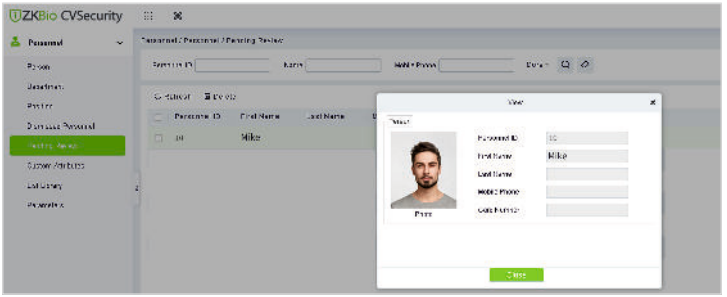
Once the ZKBio CVSecurity software is installed, the users could enroll their face template via a browser application on their own mobile phone.

1. Click **[Personnel]** > **[Parameters]**, input "http://Server address: Port" in the QR Code UGL 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.





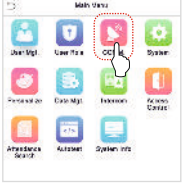
2. The users will be displayed in **[Personnel]** > **[Pending Review]**, click **[View]**.

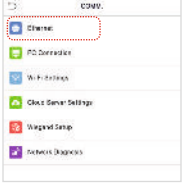


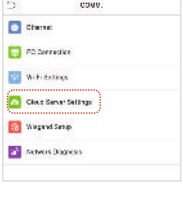
Ethernet and Cloud Server Settings

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 Settings]** 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.

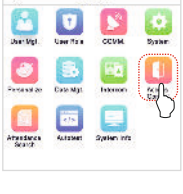


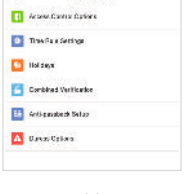




Access Control Setting

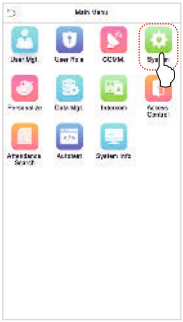
Click on ☰ > **[Access Control]** to enter the access control management interface and set relevant parameters of access control.

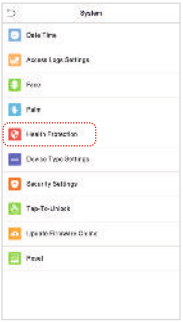


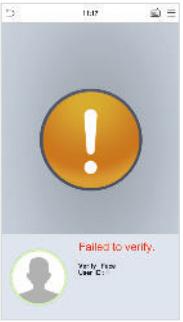


Health Protection

Click on ☰ > **[System]** > **[Health Protection]** to enable mask detection.







SIP Settings

This function needs to be used with the indoor station.

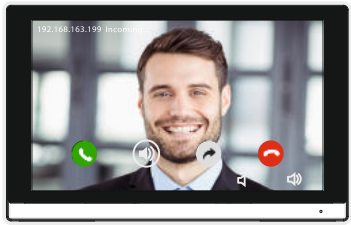
Local Area Network Use

1. Set the indoor station to the same network segment as the device.
2. Click on **[Intercom]** > **[SIP Settings]** > **[Advanced Settings]** > **[DTMF]** to set the value as same as the value of DTMF in the indoor station.
3. On the **SIP Settings** interface, enter **[Contact List]** > **[Add]** to add the connected indoor station.
   Device Number: Customize the number of the indoor station.
   Call Address: It is the IP Address of the indoor station.

- **Enter the IP Address/Device Number of the Indoor Station**

Click icon on the standby page to enter the IP address/Device Number of the indoor station in the pop-up interface of the device.

SpeedPalm-V5L



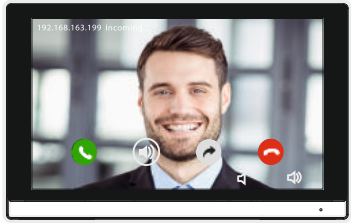
Indoor Station

- **Calling by Shortcut**

1. Click on ≡ > **[Intercom]** > **[SIP Settings]** > **[Contact List]**.
2. Click **Add**, input device number and call address to add a new contact member.

   Note: Call address and the SpeedPalm-V5L device must be in the same network segment.
3. Click **[SIP Settings]** > **[Calling Shortcut Settings]**, select any item except admin, and enter the form information you just uploaded.
4. Then you can enter the device number or click shortcut key in the call screen to directly implement the video intercom.

SpeedPalm-V5L



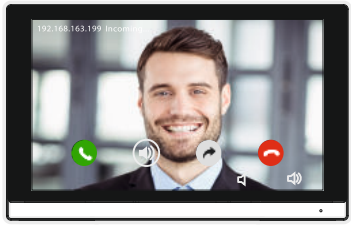
Indoor Station

- **Direct Calling Mode**

1. Click on ≡ > **[Intercom]** > **[SIP Settings]** > **[Contact List]**.
2. Click **Add**, input device number and call address to add a new contact member.

   Note: Call address and the SpeedPalm-V5L device must be in the same network segment.
3. Click **[SIP Settings]** > **[Calling Shortcut Settings]** > **[Call Mode]** > **[Direct Calling Mode]** > **[Add]**. Select the IP addresses of the indoor stations that you want to call, then the indoor stations will be displayed in the list.
4. Then you can tap the icon on the device to call the indoor stations at the same time.

SpeedPalm-V5L

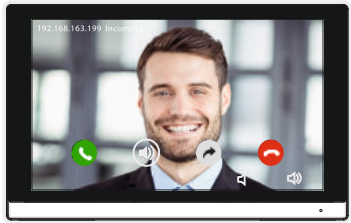


Indoor Station

SIP Server

1. Click on ☰ > **[Intercom]** > **[SIP Settings]** > **[Local Settings]** to activate the SIP server, and set the SIP server parameters.
2. Once the SIP is set up correctly, a green dot will appear in the upper right corner of the call page to indicate that the SpeedPalm-V5L device is connected to the server. You can call the account name of the indoor station.

SpeedPalm-V5L



Indoor Station

Note: Users must obtain the server address and password from the distributor or build the server themselves if they need to activate the SIP server.

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