

User Manual

SenseFace 3 Series

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English

Thank you for choosing our product. Please read the instructions carefully before operation. Follow these instructions to ensure that the product is functioning properly. The images shown in this manual are for illustrative purposes only.



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www.zkteco.com.

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If there is any issue related to the product, please contact us.

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About the Company

ZKTeco is one of the world's largest manufacturer of RFID and Biometric (Fingerprint, Facial, Finger-vein) readers. Product offerings include Access Control readers and panels, Near & Far-range Facial Recognition Cameras, Elevator/floor access controllers, Turnstiles, License Plate Recognition (LPR) gate controllers and Consumer products including battery-operated fingerprint and face template-reader Door Locks. Our security solutions are multi-lingual and localized in over 18 different languages. At the ZKTeco state-of-the-art 700,000 square foot ISO9001-certified manufacturing facility, we control manufacturing, product design, component assembly, and logistics/shipping, all under one roof.

The founders of ZKTeco have been determined for independent research and development of biometric verification procedures and the productization of biometric verification SDK, which was initially widely applied in PC security and identity authentication fields. With the continuous enhancement of the development and plenty of market applications, the team has gradually constructed an identity authentication ecosystem and smart security ecosystem, which are based on biometric verification techniques. With years of experience in the industrialization of biometric verifications, ZKTeco was officially established in 2007 and now has been one of the globally leading enterprises in the biometric verification industry owning various patents and being selected as the National High-tech Enterprise for 6 consecutive years. Its products are protected by intellectual property rights.

About the Manual

This manual introduces the operations of **SenseFace 3 Series**.

All figures displayed are for illustration purposes only. Figures in this manual may not be exactly consistent with the actual products.

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

Document Conventions

Conventions used in this manual are listed below:

GUI Conventions

For Software	
Convention	Description
Bold font	Used to identify software interface template names e.g. OK , Confirm , Cancel .
>	Multi-level menus are separated by these brackets. For example, File > Create > Folder.
For Device	
Convention	Description
< >	Button or key names for devices. For example, press <OK>.
[]	Window names, menu items, data table, and field names are inside square brackets. For example, pop up the [New User] window.
/	Multi-level menus are separated by forwarding slashes. For example, File/Create/Folder.

Symbols

Convention	Description
	This represents a note that needs to pay more attention to.
	The general information which helps in performing the operations faster.
	The information which is significant.
	Care taken to avoid danger or mistakes.
	The statement or event that warns of something or that serves as a cautionary example.

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Data Security Statement

ZKTeco, as a smart product supplier, may also need to know and collect some of your personal information to better assist you in using ZKTeco's goods and services, and will treat your privacy carefully by developing a Privacy Policy.

Please read and understand completely all the privacy protection policy regulations and key points that appear on the device before using ZKTeco products.

As a product user, you must comply with applicable laws and regulations related to personal data protection when collecting, storing, and using personal data, including but not limited to taking protective measures for personal data, such as performing reasonable rights management for devices, strengthening the physical security of device application scenarios, and so on.

Safety Measures

The following precautions are to keep the user's safety and prevent any damage. Please read carefully before installation.

1. **Read, follow, and retain instructions** - All safety and operational instructions must be properly read and followed before bringing the device into service.
2. **Do not ignore warnings** - Adhere to all warnings on the unit and in the operating instructions.
3. **Accessories** - Use only manufacturer-recommended or product-sold accessories. Please do not use any other components other than manufacturer suggested materials.
4. **Precautions for the installation** - Do not place this device on an unstable stand or frame. It may fall and cause serious injury to persons and damage to the device.
5. **Service** - Do not try to service this unit yourself. Opening or removing covers may expose you to hazardous voltages or other hazards.
6. **Damage requiring service** - Disconnect the system from the main AC or DC power source and refer service personnel under the following conditions:
 - When cord or connection control is affected.
 - When the liquid was spilled, or an item dropped into the system.
 - If the system is exposed to water and/or inclement weather conditions (rain, snow, and more).
 - If the system is not operating normally under operating instructions.

Just change controls defined in operating instructions. Improper adjustment of other controls may result in damage and involve a qualified technician to return the device to normal operation.

7. **Replacement parts** - When replacement parts are required, service technicians must only use replacement parts provided by the supplier. Unauthorized substitutes can lead to the risk of burns, electric shock, or other hazards.
8. **Safety check** - On completion of service or repair work on the unit, ask the service technician to

perform safety checks to ensure proper operation of the unit.

9. **Power sources** - Operate the system only from the label's power source form. If the sort of power supply to use is unclear, call your dealer.
10. **Lightning** – Can install external lightning conductors to protect against electrical storms. It stops power-ups destroying the system.

The devices should be installed in areas with limited access.

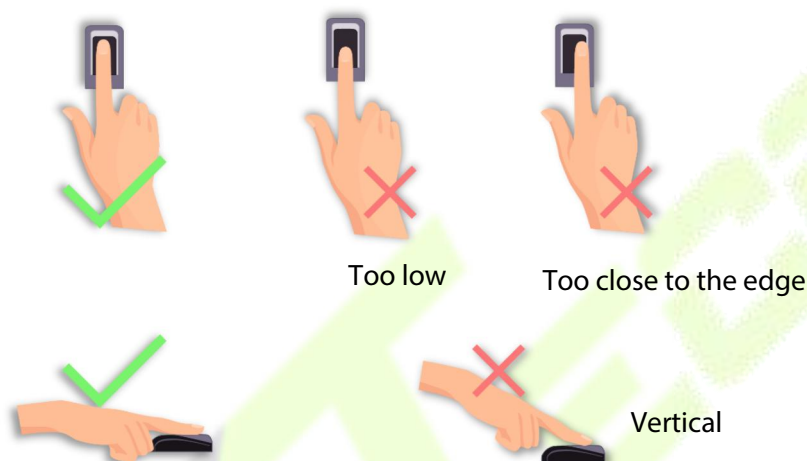


1 Instruction for Use

Before getting into the Device features and functions, it is recommended to be familiar with the below fundamentals.

1.1 Finger Positioning

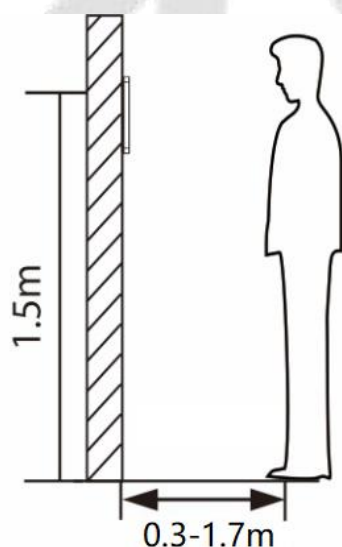
Recommended fingers: The index, middle, or ring fingers are recommended fingers to use, and avoid using the thumb or pinky, as they are difficult to position correctly onto the fingerprint reader.



Note: Please use the correct method when pressing your fingers onto the fingerprint reader for registration and identification. Our company will assume no liability for recognition issues that may result from incorrect usage of the product. We reserve the right of final interpretation and modification concerning this point.

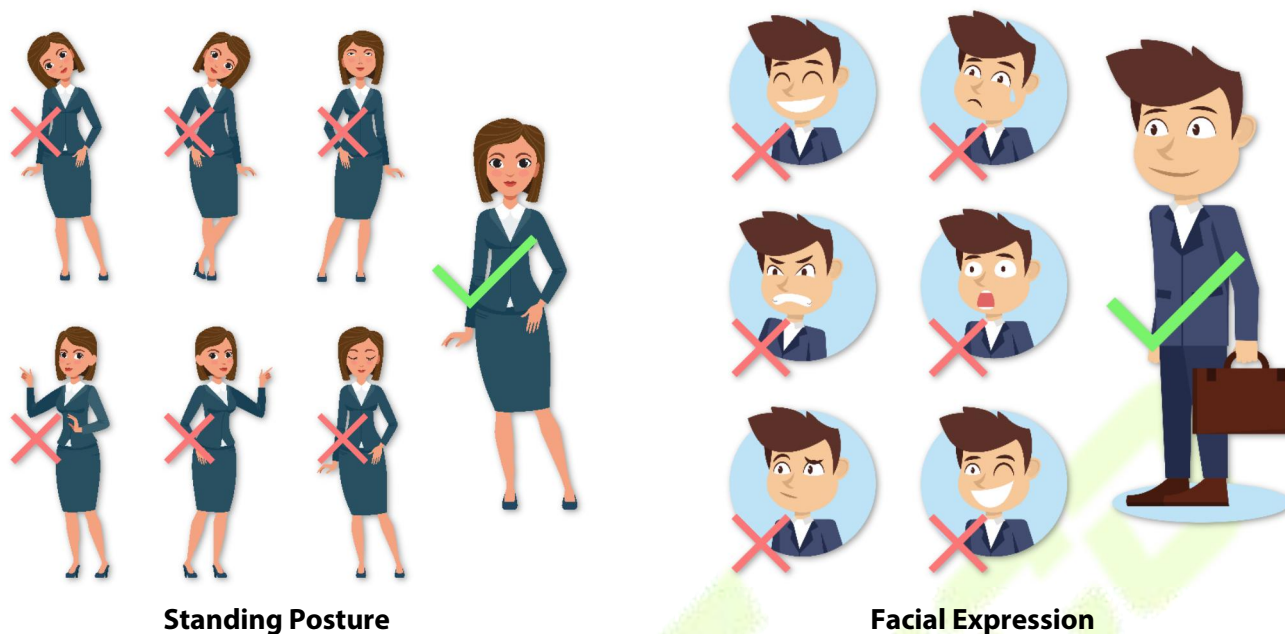
1.2 Standing Position, Posture and Facial Expression

- **The recommended distance**



The distance between the device and a user whose height is in a range of 1.55 m to 1.85 m is recommended to be 0.3 m to 1.7 m. Users may slightly move forward or backward to improve the quality of facial images captured.

- **Recommended standing posture and facial expression:**



Note: During enrollment and verification, please remain natural facial expression and standing posture.

1.3 Face Template Registration

Please make sure that the face template is in the centre of the screen during registration. Please face towards the camera and stay still during face template registration. The screen should look like the image below:



Correct face template registration and authentication method

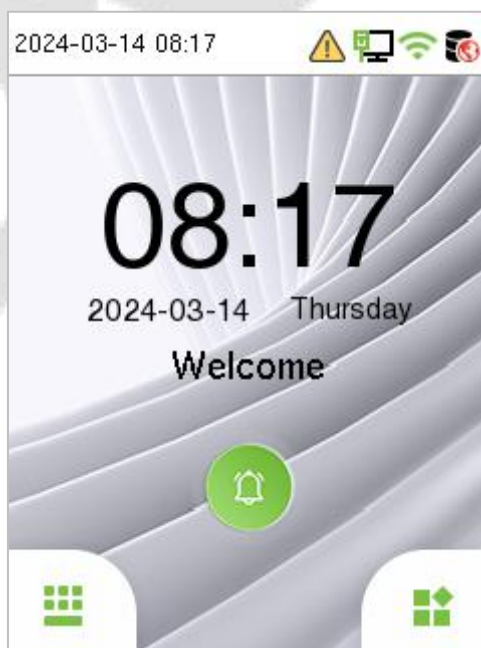
- **Recommendation for Registering a Face Template**

- When registering a face template, maintain a distance of 40 cm to 80 cm space between the device and the face template.

- Be careful not to change your facial expression. (Smiling face template, drawn face template, wink, etc.)
- If you do not follow the instructions on the screen, the face template registration may take longer or may fail.
- Be careful not to cover the eyes or eyebrows.
- Do not wear hats, masks, sunglasses, or eyeglasses.
- Be careful not to display two face templates on the screen. Register one person at a time.
- It is recommended for a user wearing glasses to register both face templates with and without glasses.
- **Recommendation for Authenticating a Face Template**
 - Ensure that the face template appears inside the guideline displayed on the screen of the device.
 - If the glasses have been changed, authentication may fail. If the face template without glasses has been registered, authenticate the face template without glasses further. If the face template with glasses has been registered, authenticate the face template with the previously worn glasses.
 - If a part of the face template is covered with a hat, a mask, an eye patch, or sunglasses, authentication may fail. Do not cover the face template, allow the device to recognize both the eyebrows and the face template.

1.4 Standby Interface

After connecting the power supply, the following standby interface template is displayed:

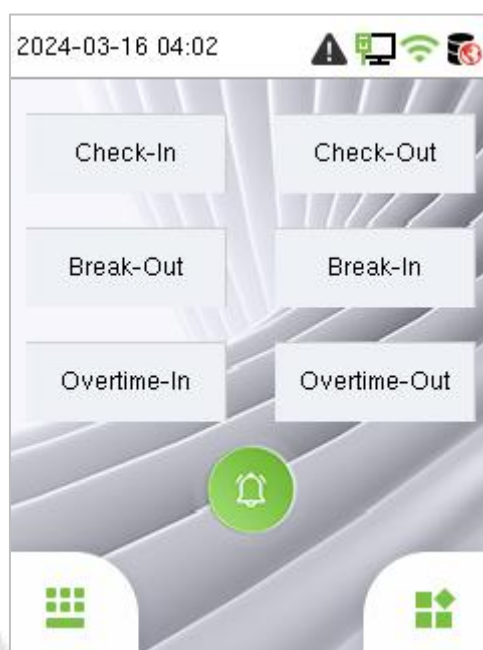


- Click  icon to enter the User ID input interface template.

- When there is no Super Administrator set in the device, tap  icon to go to the menu.
- After setting the Super Administrator on the device, it requires the Super Administrator's verification before entering the menu functions.

Note: For the security of the device, it is recommended to register super administrator the first time you use the device.

- On the standby interface template, the punch state options can also be shown and used directly. Click anywhere on the screen apart from the icons, and six shortcut keys appears on the screen, as shown in the figure below:



- Press the corresponding punch state key to select your current punch state, which is displayed in green.

Note: The punch state options are off by default and need to be changed to other option in the ["7.5 Shortcut Key Mappings"](#) to get the punch state options on the standby screen.

1.5 Virtual Keyboard



Note:

The device supports the input in Chinese language, English language, numbers, and symbols.

- Click **EN** to switch to the English keyboard.
- Press **123** to switch to the numeric and symbolic keyboard.
- Click **@#&** to return to the alphabetic keyboard.
- Click the input box, virtual keyboard appears.
- Click  to exit the virtual keyboard.

1.6 Verification Mode

1.6.1 Fingerprint Verification★

Note: This function is only for SenseFace 3A.

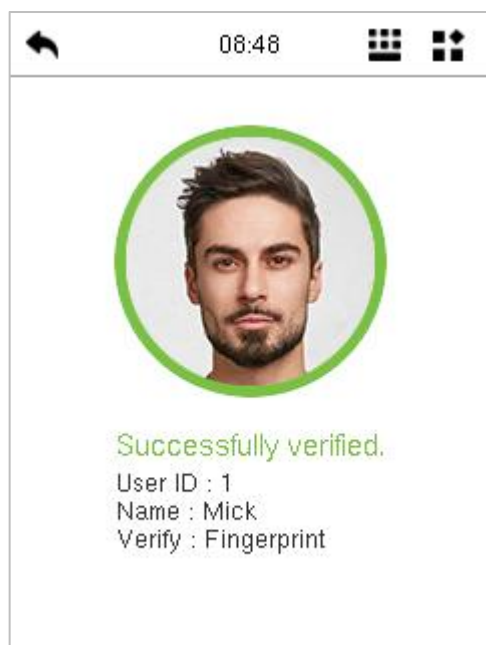
● 1: N Fingerprint Verification Mode

The device compares the current fingerprint with the available fingerprint data stored in its database.

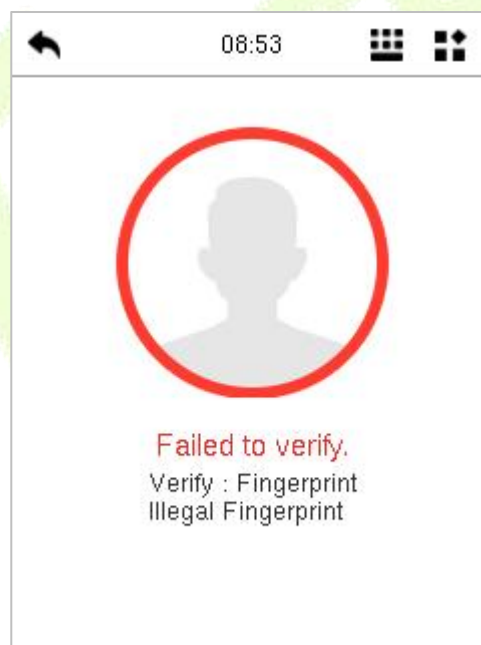
Fingerprint authentication mode is activated when a user places their finger onto the fingerprint scanner.

Please follow the recommended way to place your finger onto the sensor. For details, please refer to section [Finger Positioning](#).

Verification is successful:



Verification is failed:



● 1: 1 Fingerprint Verification Mode

The device compares the current fingerprint with the fingerprints linked to the entered User ID through the virtual keyboard

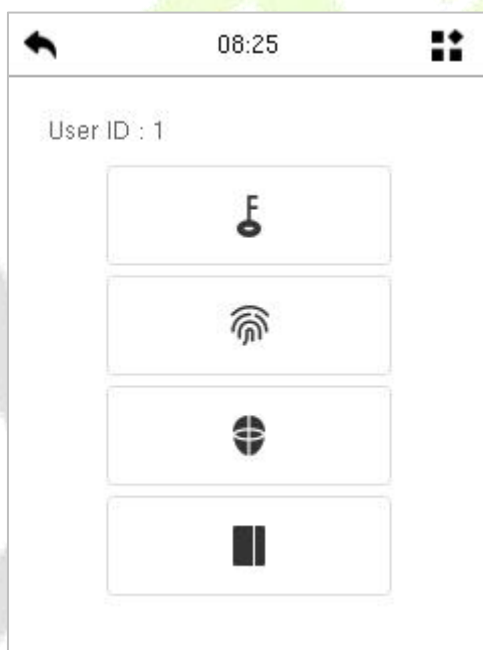
In case users are unable to gain access using the 1:N authentication method, they can attempt to verify their identity using the 1:1 verification mode.

Click the  button on the main screen to enter 1:1 fingerprint verification mode.

Input the user ID and press **OK**.

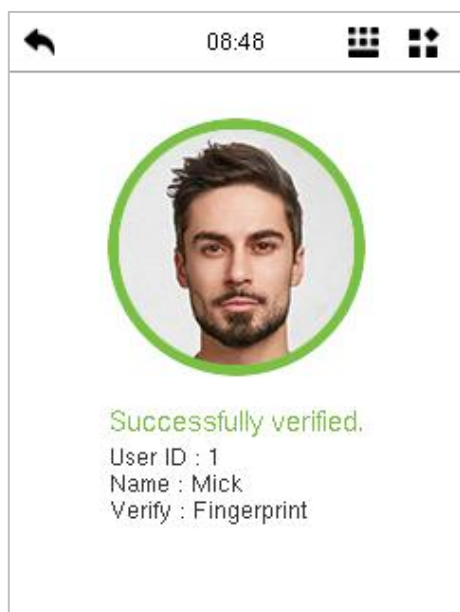


If the user has registered face template, card and password in addition to his/her fingerprints and the verification method is set to Password/Fingerprint/Card/Face template verification, the following screen will appear. Select the fingerprint icon to  enter fingerprint verification mode.

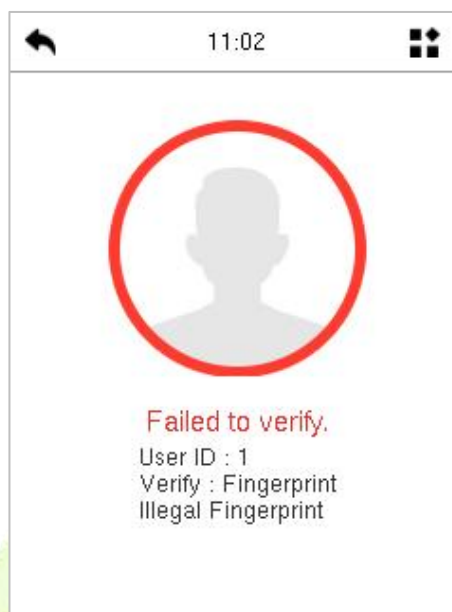


Press the fingerprint to verify.

Verification is successful:



Verification is failed:



1.6.2 QR Code Verification★

Note: This function is only for SenseFace 3C.

In this verification mode, the device compares the QR code image collected by the QR code collector with all the QR code data in the device.

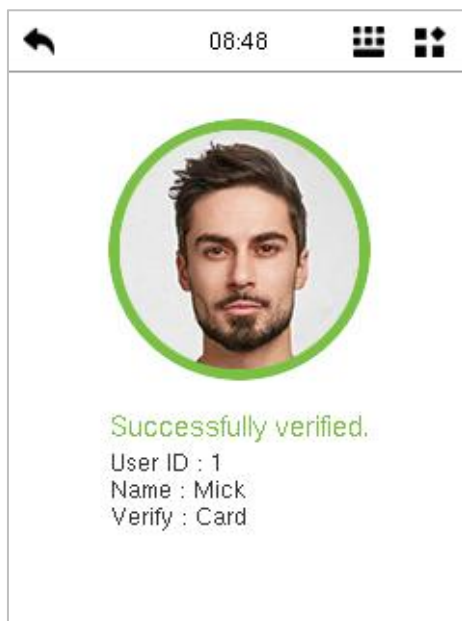
Tap **Mobile Credential** on the ZKBioAccess Mobile Page, and a QR code will appear, which includes employee ID and card number (static QR code only includes card number) information. The QR code can replace a physical card on a specific device to achieve contactless authentication. Please refer to [15.4 Mobile Credential](#).



1.6.3 Card Verification

● 1:N card verification

The 1:N card verification mode compares the card number in the card induction area with all the card number data registered in the device; The following screen displays on the card verification:



● 1:1 card verification

The 1:1 card verification mode compares the card number in the card induction area with the number associated with the employee's User ID registered in the device.

Press  in the main interface template to open the 1:1 card verification mode.

Enter the user ID and click **OK**.

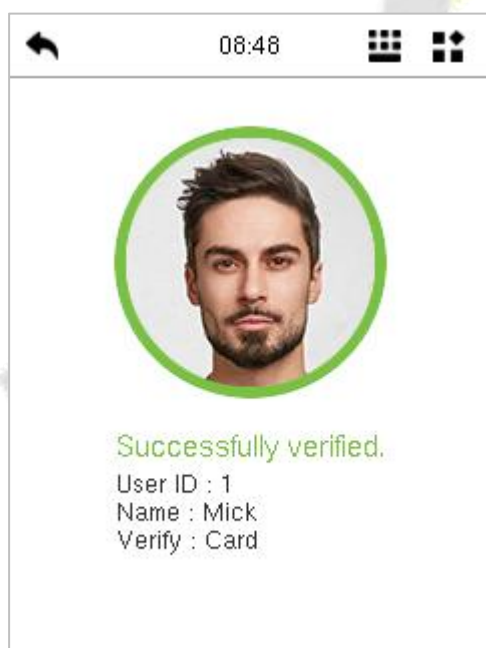


If the user has registered face template, card and password in addition to his/her card, and the verification method is set to Password/Fingerprint/Card/Face verification, the following screen will appear. Select the  icon to enter the card verification mode.

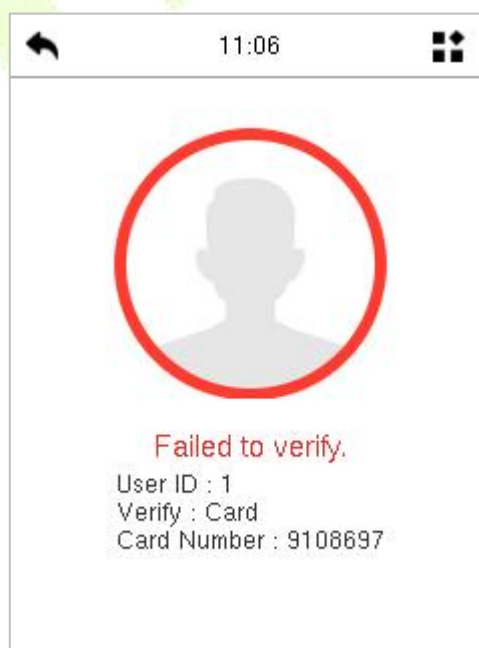


Place the card in the collection area for verification.

Verification is successful:



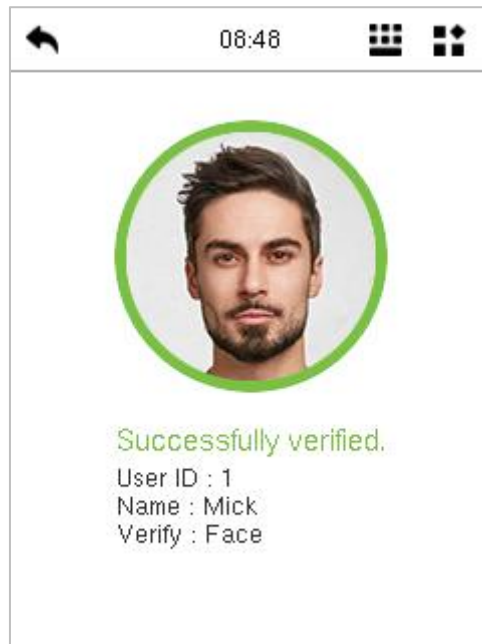
Verification is failed:



1.6.4 Facial Verification

● 1:N Facial Verification

device compares the currently acquired facial images with all the registered face template data stored in its database. The following is the pop-up prompt box displaying the result of the comparison.



● 1:1 Facial Verification

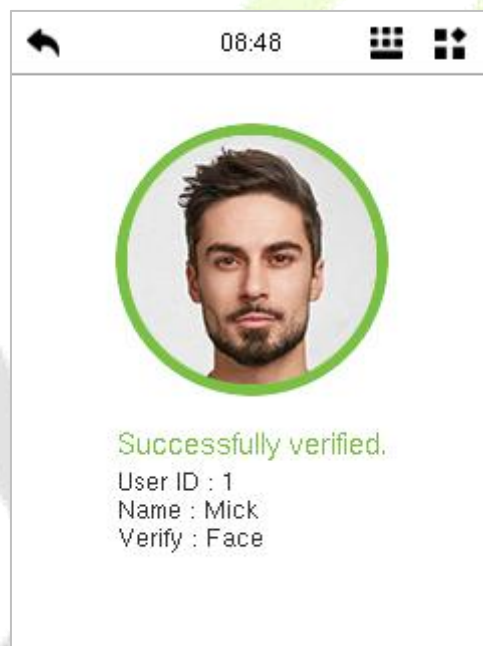
In this verification mode, the device compares the face template captured by the camera with the facial template related to the entered user ID. Press icon  in the main interface template and enter the 1:1 facial verification mode and enter the user ID and click **OK**.



If the user has registered card, fingerprint and password in addition to his/her face template, and the verification method is set to Password/Fingerprint/Card/Face verification, the following screen will appear. Select the  icon to enter the face template verification mode.



After successful verification, the prompt box displays "**Successfully Verified**", as shown below:



If the verification is failed, it prompts "**Please adjust your position!**".

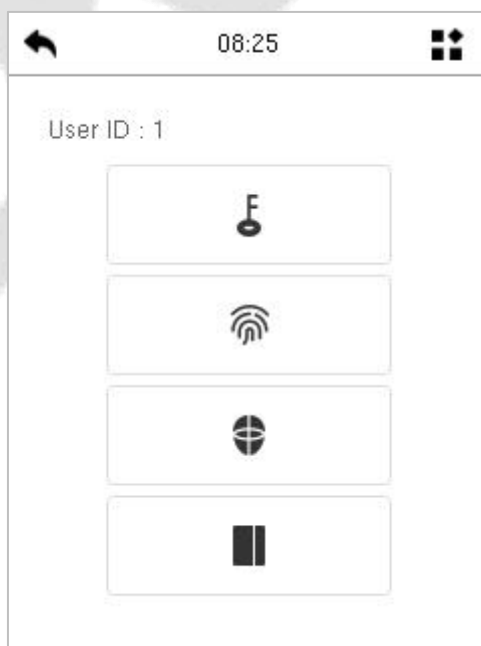
1.6.5 Password Verification

The device compares the entered password with the registered password by the given User ID.

Click the  button on the main screen to enter the 1:1 password verification mode. Then, input the user ID and press **OK**.



If the user has registered face template and card in addition to password, and the verification method is set to Password/Fingerprint/Card/Face verification, the following screen will appear. Select the  icon to enter password verification mode.

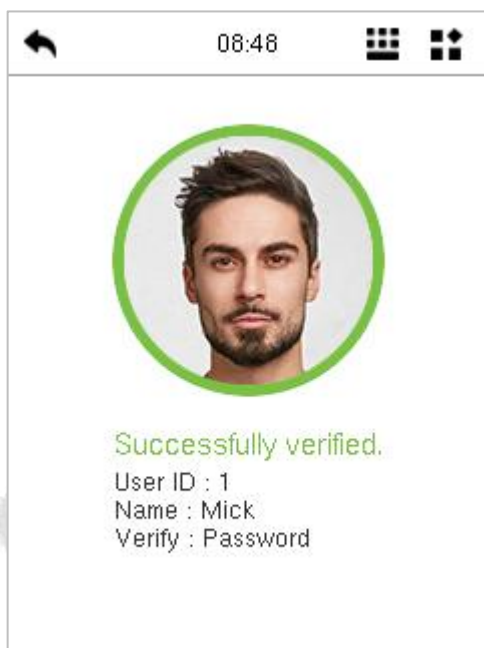


Input the password and press **OK**.

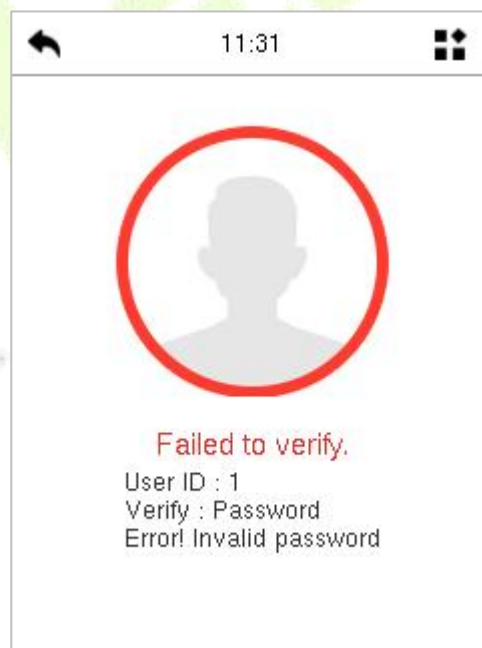


The following screen displays, after inputting a correct password and a wrong password respectively.

Verification is successful:



Verification is failed:



1.6.6 Combined Verification

To increase security, this device offers the option of using multiple forms of verification methods. A total of 21 different verification combinations can be used, as shown below:

Combined Verification Symbol Definition:

Symbol	Definition	Explanation
/	or	This method compares the entered verification of a person with the related verification template previously stored to that Personnel ID in the Device.
+	and	This method compares the entered verification of a person with all the verification template previously stored to that Personnel ID in the Device.

Verification Mode

☒ Password/Fingerprint/Card/Face

☐ Fingerprint Only

☐ User ID Only

☐ Password

☐ Card Only

☐ Fingerprint/Password

Verification Mode

☐ Fingerprint/Card

☐ User ID+Fingerprint

☐ Fingerprint+Password

☐ Fingerprint+Card

☐ Fingerprint+Password+Card

☐ Password+Card

Verification Mode

☐ Password/Card

☐ User ID+Fingerprint+Password

☐ Fingerprint+(Card/User ID)

☐ Face Only

☐ Face+Fingerprint

☐ Face+Password

Verification Mode

☐ Face Only

☐ Face+Fingerprint

☐ Face+Password

☐ Face+Card

☐ Face+Fingerprint+Card

☐ Face+Fingerprint+Password

Procedure to set for Combined Verification Mode:

- Combined verification requires personnel to register all the different verification method. Otherwise, employees will not be able to successfully verify the combined verification process.
- For instance, when an employee has registered only the data, but the Device verification mode is set as "Face + Password", the employee will not be able to complete the verification process successfully.
- This is because the Device compares the scanned face template template of the person with registered verification template (both the Face template and the Password) previously stored to that Personnel ID in the Device.
- But as the employee has registered only the Face template but not the Password, the verification will not get completed and the Device displays "Verification Failed".

2 Main Menu

Press  on the Standby interface to enter the **Main Menu**, the following screen will be displayed:

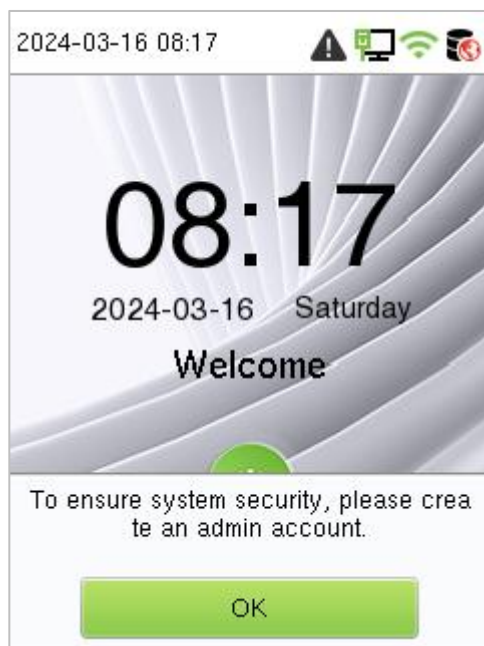


Function Description

Menu	Descriptions
User Mgt.	To add, edit, view, and delete basic information of a User.
User Role	To set the permission scope of the custom role and enroller for the users, that is, the rights to operate the system.
COMM.	To set the relevant parameters of network, serial comm, pc connection, wireless network, cloud server, wiegand and network diagnosis.
System	To set the parameters related to the system, including date time, access logs setting, face template & fingerprint parameters★, device type setting, security setting, update firmware online, USB upgrade, and reset to factory.
Personalize	This includes user interface, voice, bell schedules, punch state options and shortcut key mappings settings.
Data Mgt.	To delete all relevant data in the device.
Intercom	To set the parameters related to the SIP and NVR.
Access Control	To set the parameters of the lock and the relevant access control device including options like time rule, holiday settings, combine verification, and duress option settings.
USB Manager	To upload or download the specific data by a USB drive.
Attendance Search	To query the specified event logs, check attendance photos and blocklist attendance photos.

Autotest	To automatically test whether each module functions properly, including the LCD screen, audio, microphone, camera, fingerprint sensor★ and real-time clock.
System Info	To view data capacity, device and firmware information and privacy policy of the device.

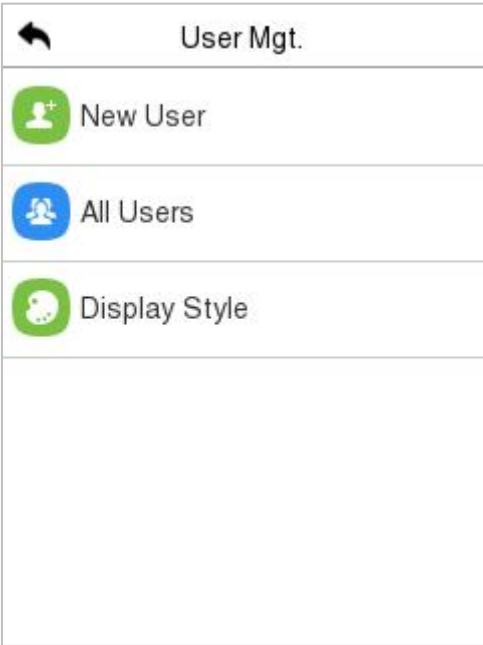
Note: When users use the product for the first time, they should operate it after setting administrator privileges. Tap **User Mgt.** to add an administrator or edit user permissions as a super administrator. If the product does not have an administrator setting, the system will show an administrator setting command prompt every time you enter the device menu.



3 User Management

3.1 User Registration

Click **User Mgt.** on the main menu.



3.1.1 User ID and Name

Tap **New User**. Enter the **User ID** and **Name**.

New User	
User ID	1
Name	
User Role	Normal User
Fingerprint	0
Face	0
Card	0

Notes:

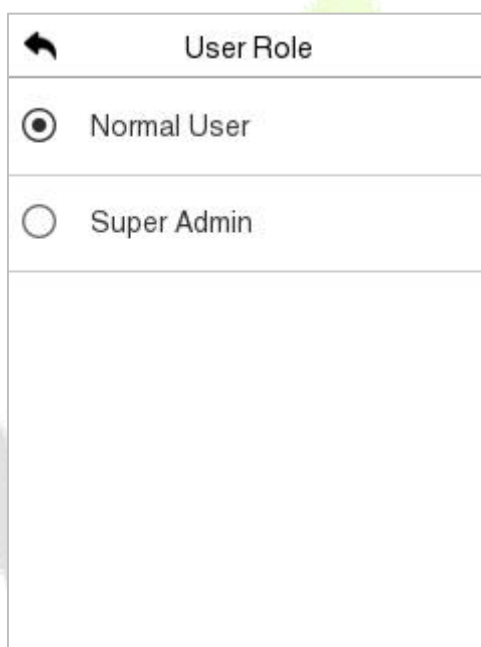
- A username can contain a maximum of 34 characters.

- The user ID may contain 1 to 14 digits by default.
- During the initial registration, you can modify your ID, which cannot be modified after registration.
- If a message "**Duplicated!**" pops up, you must choose another ID as the enter User ID already exists.

3.1.2 User Role

On the New User interface, tap on **User Role** to set the role for the user as either **Normal User** or **Super Admin**.

- **Super Admin:** The Super Administrator owns all management privileges in the Device.
- **Normal User:** If the Super Admin is already registered in the Device, then the Normal Users will not have the privileges to manage the system and can only access authentication verifications.
- **User Defined Roles:** The Normal User can also be set with **User Defined Role** which are the custom roles that can be set to the Normal User.



User Role	
☒	Normal User
☐	Super Admin

Note: If the selected user role is the Super Admin, the user must pass the identity authentication to access the main menu. The authentication is based on the authentication method(s) that the super administrator has registered. Please refer to [1.6 Verification Mode](#).

3.1.3 Fingerprint★

Click **Fingerprint** to enter the fingerprint registration page. Select the finger to be enrolled.



Press the same finger on the fingerprint reader three times. Green indicates that the fingerprint was enrolled successfully.



3.1.4 Face Template

Tap **Face** in the **New User** interface to enter the face template registration page.

- Please face towards the camera and position your face template inside the white guiding box and stay still during face template registration.
- A progress bar shows up while registering the face template and a **“Enrolled Successfully”** is displayed as the progress bar completes.

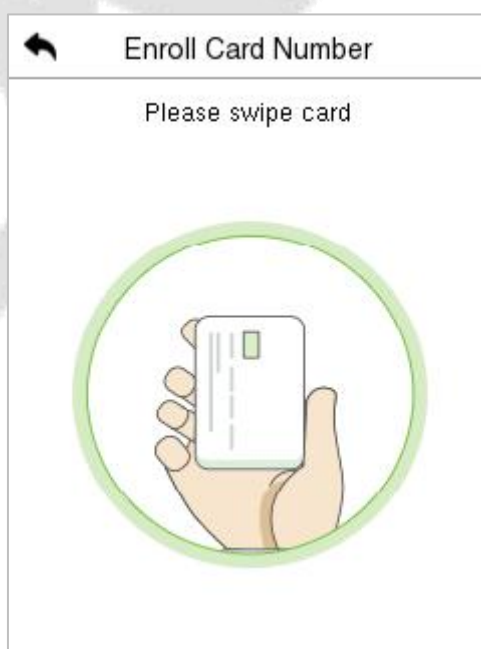
- If the face template is registered already then, the **“Duplicate Face”** message shows up. The registration interface is as follows:



3.1.5 Card

Tap **Card** in the **New User** interface to enter the card registration page.

- On the Card interface, swiping card underneath the card reading area. The card registration will be successful.
- If the card is registered already then, the **“Duplicate Card”** message shows up. The registration interface is as follows:



3.1.6 Password

Tap **Password** in the **New User** interface to enter the password registration page.

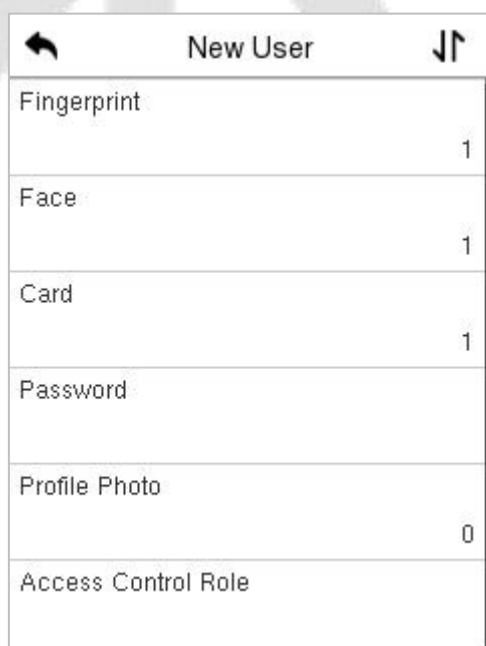
- On the Password interface, enter the required password and re-enter to confirm it and tap **OK**.
- If the re-entered password is different from the initially entered password, then the device prompts the message as "**Password not match!**", where the user needs to re-confirm the password again.



Note: The password may contain 6 to 8 digits by default.

3.1.7 Profile Photo

Tap on **Profile Photo** in the **New User** interface to go to the Profile Photo registration page.



Step	Progress
Fingerprint	1
Face	1
Card	1
Password	
Profile Photo	0
Access Control Role	



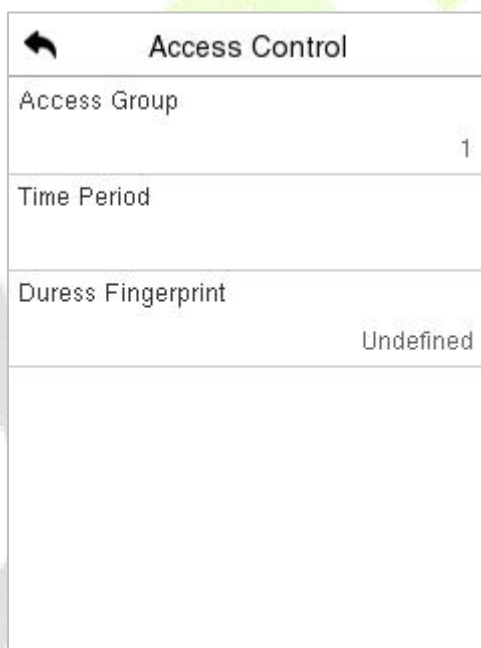
- When a user registered with a photo passes the authentication, the registered photo will be displayed.
- Tap **Profile Photo**, the device's camera will open, then tap the camera icon to take a photo. The captured photo is displayed on the top left corner of the screen and the camera opens again to take a new photo, after taking the initial photo.

Note: While registering a face template, the system automatically captures a photo as the user profile photo. If you do not register a profile photo, the system automatically sets the photo captured while registration as the default photo.

3.1.8 Access Control Role

The **Access Control Role** sets the door access privilege for each user. This includes the access group, duress fingerprint and facilitates to set the group access time-period.

- Tap **Access Control Role > Access Group**, to assign the registered users to different groups for better management. New users belong to Group 1 by default and can be reassigned to other groups. The device supports up to 99 Access Control groups.
- Tap **Time Period**, to select the time period to use.

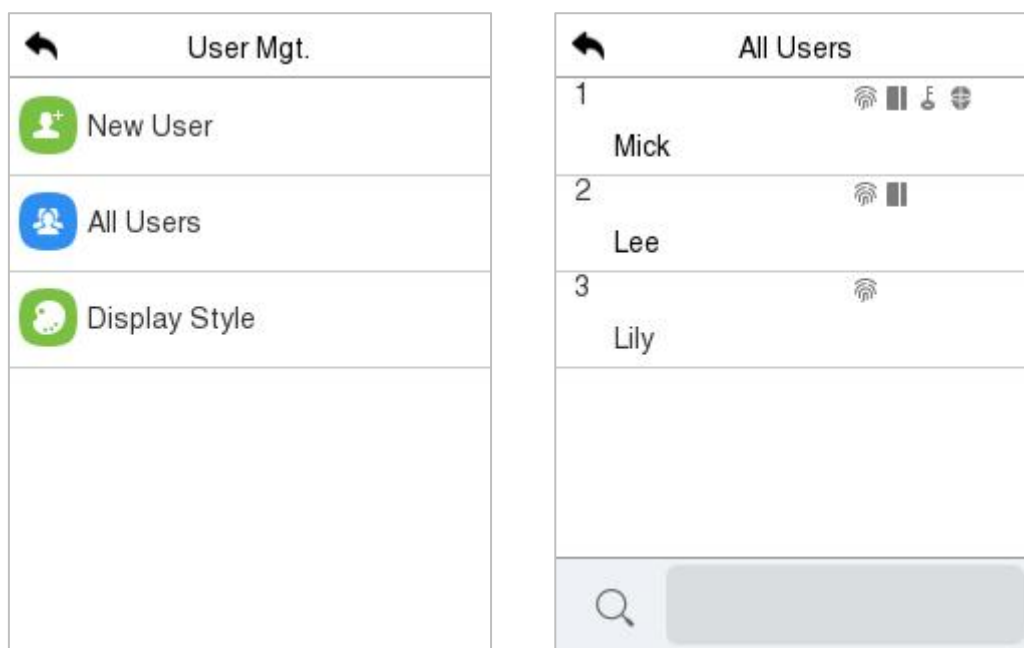


Access Control	
Access Group	1
Time Period	
Duress Fingerprint	Undefined

3.2 Search for Users

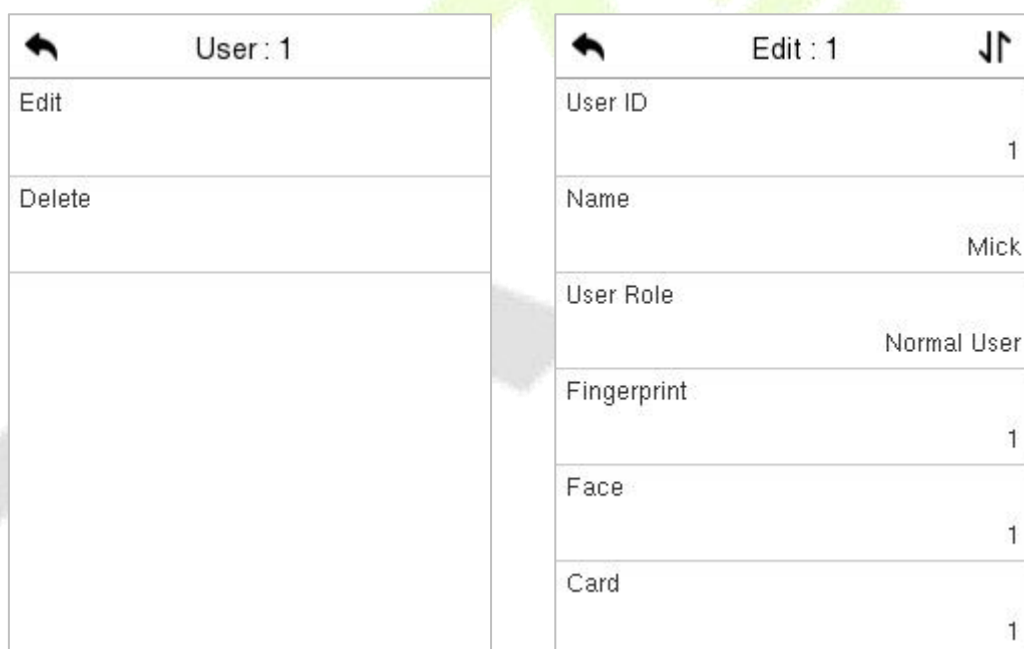
On the **Main Menu**, tap **User Mgt.**, and then tap **All Users** to search for a User.

- On the **All Users** interface, tap on the search bar on the user's list to enter the required retrieval keyword (where the keyword may be the user ID, surname or full name) and the system will search for the related user information.



3.3 Edit User

On **All Users** interface, tap on the required user from the list and tap **Edit** to edit the user information.



Note: The process of editing a user is the same as that of adding a user, except that the user ID cannot be modified when editing a user's detail. The process in detail refers to ["3. User Management"](#).

3.4 Delete User

On **All Users** interface, tap on the required user from the list and tap **Delete** to delete the user or a specific user information from the device. On the **Delete** interface, tap on the required operation and then tap OK to confirm the deletion.

- **Delete operations:**

Delete User: All information of the user will be deleted (deletes the selected User as a whole) from the Device.

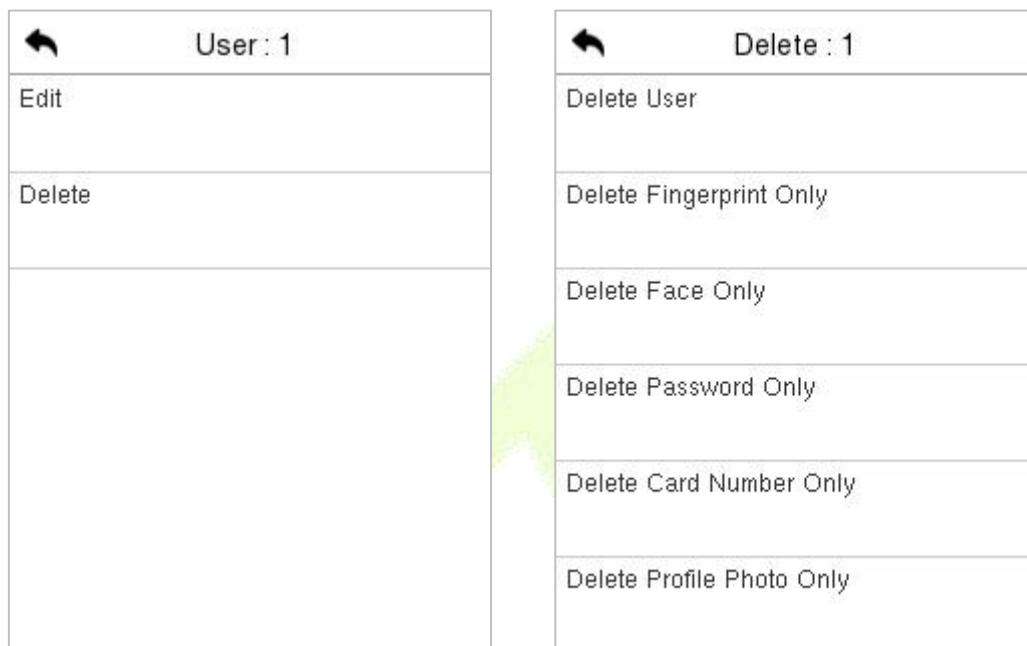
Delete Fingerprint Only: Deletes the fingerprint information of the selected user.

Delete Face Only: Deletes the face template information of the selected user.

Delete Password Only: Deletes the password information of the selected user.

Delete Card Number Only: Deletes the card information of the selected user.

Delete Profile Photo Only: Deletes the profile photo of the selected user.



3.5 Display Style

Tap on **User Mgt.** > **Display Style** to choose the style of **All Users** interface's list.



Different display styles are shown as below:

Multiple Line:

All Users	
1	Mick
	
2	Lee
	
3	Lily
	
	

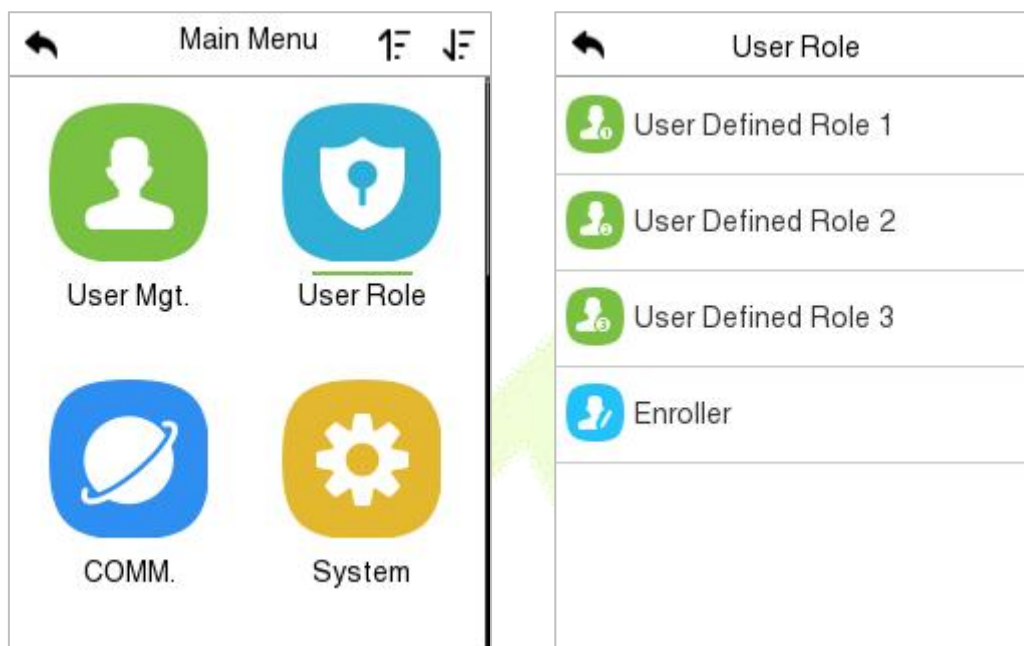
Mixed Line:

All Users	
1	
Mick	
2	
Lee	
3	
Lily	
	

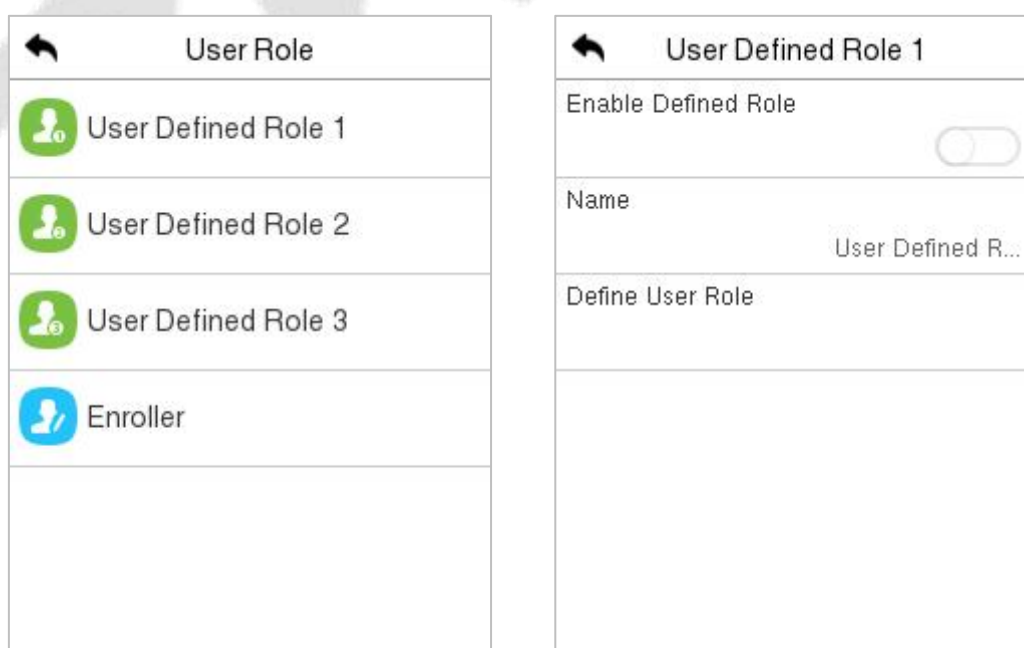
4 User Role

User Role facilitates to assign some specific permissions to specific users, based on the requirement.

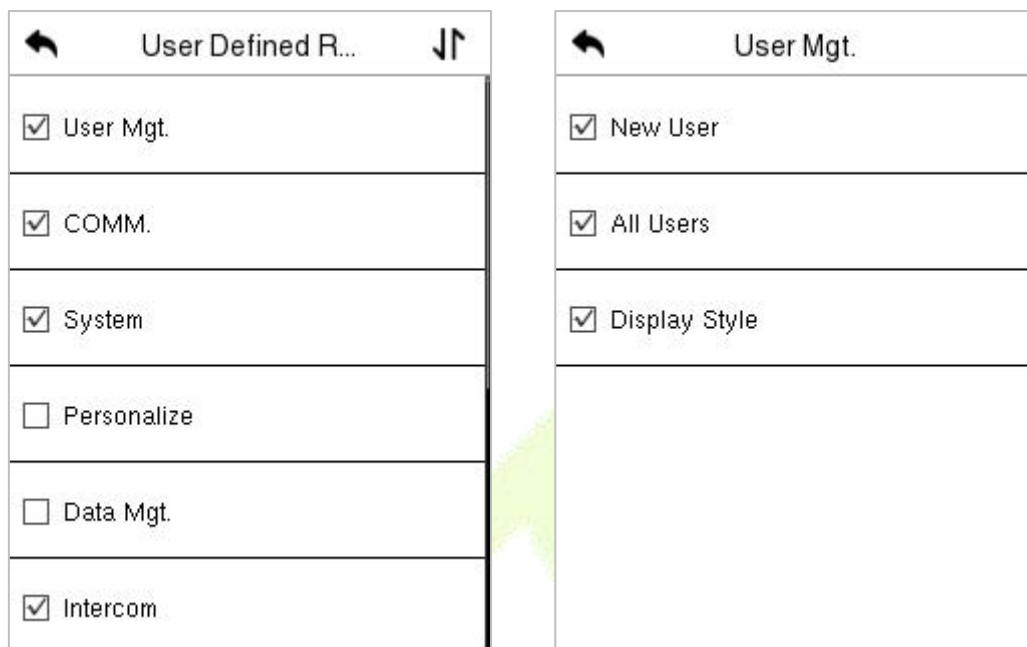
- On the **Main** menu, tap **User Role**, and then tap on the **User Defined Role** to set the user defined permissions.
- The permission scope of the custom role can be set up to 3 roles, that is, the custom operating scope of the menu functions of the user.



- On the **User Defined Role** interface, toggle **Enable Defined Role** to enable or disable the user defined role.
- Tap on **Name** and enter the custom name of the role.



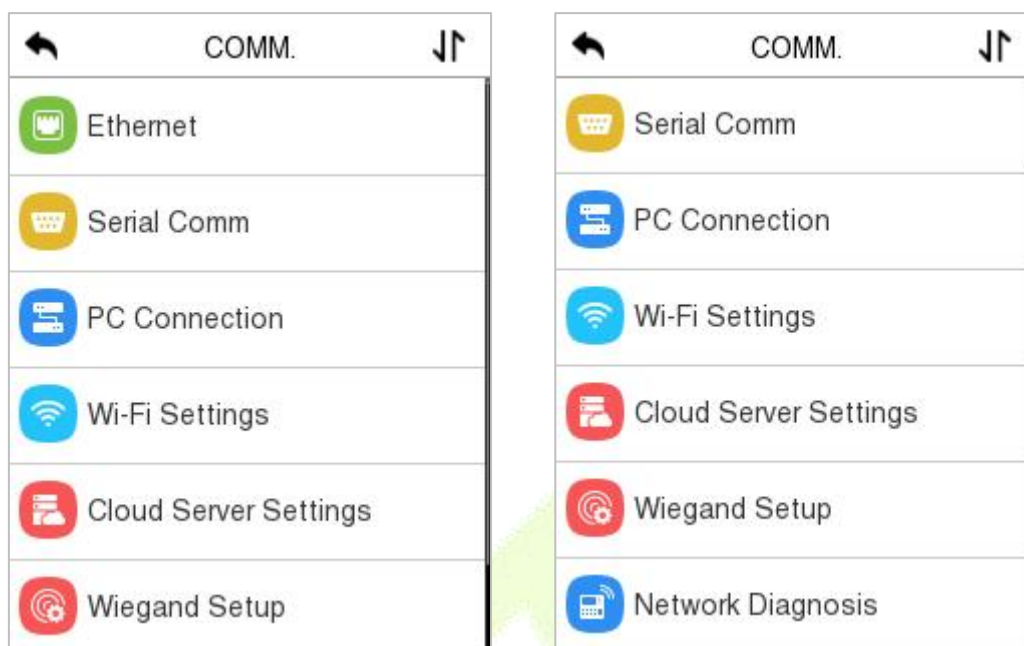
- Then, tap on **User Defined Role** and select the required privileges to assign to the new role, and then tap on the **Return** button.
- During privilege assignment, the main menu function names will be displayed on the left and its sub-menus will be listed on its right.
- First tap on the required **Main Menu** function name, and then select its required sub-menus from the list.



Note: If the User Role is enabled for the Device, tap on **User Mgt. > New User > User Role** to assign the created roles to the required users. But if there is no super administrator registered in the Device, then the device will prompt "Please enroll super admin first!" when enabling the User Role function.

5 Communication Settings

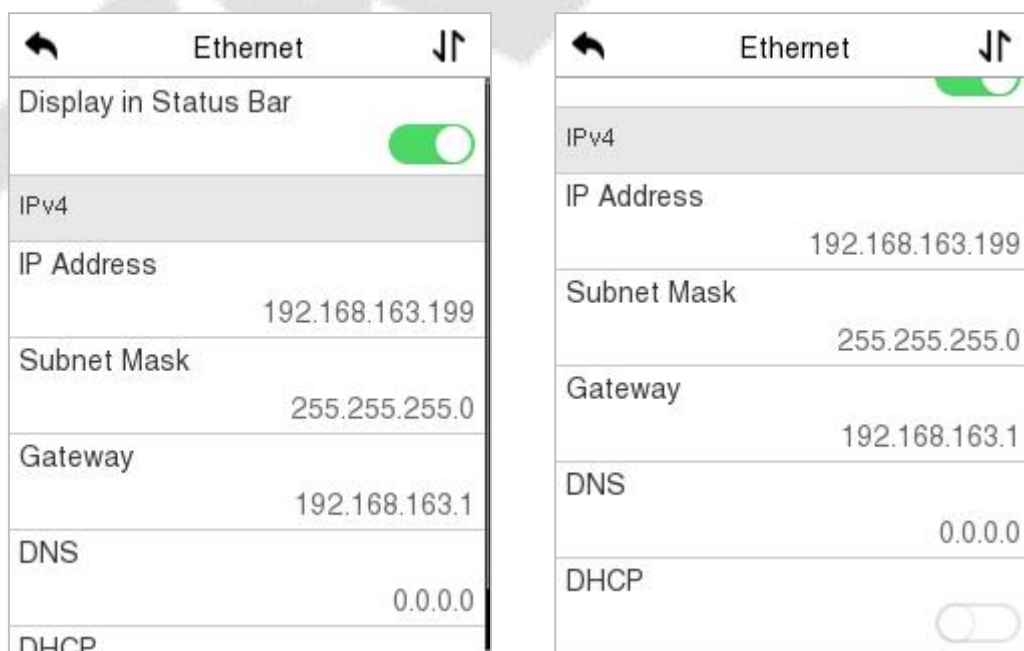
Tap **COMM.** on the **Main Menu** to set the relevant parameters of Network, Serial Comm, PC Connection, Wireless Network, Cloud Server, Wiegand and Network Diagnosis.



5.1 Network Settings

When the device needs to communicate with a PC over the Ethernet, you need to configure network settings and ensure that the device and the PC are connecting to the same network segment.

Tap **Ethernet** on the **Comm.** Settings interface to configure the settings.



Function Description

Function Name	Descriptions
Display in Status Bar	Toggle to set whether to display the network icon on the status bar.
IP Address	The default IP address is 192.168.1.201. It can be modified according to the network availability.
Subnet Mask	The default Subnet Mask is 255.255.255.0. It can be modified according to the network availability.
Gateway	The default Gateway address is 0.0.0.0. It can be modified according to the network availability.
DNS	The default DNS address is 0.0.0.0. It can be modified according to the network availability.
DHCP	Dynamic Host Configuration Protocol is to dynamically allocate IP addresses for clients via server.

5.2 Serial Comm

Serial Comm function facilitates to establish communication with the device through a serial port (RS485/ Master Unit).

Tap **Serial Comm.** on the **Comm.** Settings interface.

Serial Comm

Serial Port

No Using

Baudrate

115200

Serial Port

☐ No Using

☒ RS485(PC)

☐ Master Unit

Function Description

Function Name	Descriptions
Serial Port	no using: Do not communicate with the device through the serial port. RS485(PC): Communicates with the device through RS485 serial port. Master Unit: When RS485 is used as the function of "Master unit", the device will act as a master unit, and it can be connected to RS485 card reader.

Baud Rate	The rate at which the data is communicated with PC, there are 4 options of baud rate: 115200 (default), 57600, 38400, and 19200. The higher is the baud rate, the faster is the communication speed, but also the less reliable. Hence, a higher baud rate can be used when the communication distance is short; when the communication distance is long, choosing a lower baud rate would be more reliable.
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5.3 PC Connection

To improve the security of data, please set a Comm Key for communication between the device and the PC. The connection password needs to be entered before the device can be connected to the PC software if a Comm Key is set.

Tap **PC Connection** on the **Comm.** Settings interface to configure the communication settings.

Function Description

Function Name	Descriptions
Comm Key	The default password is 0 and can be changed. The Comm Key must be 6 digits.
Device ID	Identity number of the device, which ranges between 1 and 254. If the communication method is RS232/RS485, you need to input this device ID in the software communication interface.
TCP COMM. Port	The default TCP COMM Port value is 4370. It can be modified according to the network availability.
HTTPS	To increase the security of software access, users can enable the HTTPS protocol to create a secure and encrypted network transmission and assure the security of

sent data through identity authentication and encrypted communication.

This function is enabled by default. This function can be enabled or disabled through the menu interface, and when changing the HTTPS status, the device will pop up a security prompt, and restart after confirmation.

5.4 Wireless Network★

The device provides a Wi-Fi module, which can be built-in within the device mould or can be externally connected.

The Wi-Fi module enables data transmission via Wi-Fi (Wireless Fidelity) and establishes a wireless network environment. Wi-Fi is enabled by default in the device. If you don't need to use the Wi-Fi network, you can toggle the Wi-Fi to disable button.

Tap **Wireless Network** on the **Comm.** Settings interface to configure the Wi-Fi settings.



● Search the Wi-Fi Network

- WIFI is enabled in the Device by default. Toggle on  button to enable or disable WIFI.
- Once the Wi-Fi is turned on, the device will search for the available Wi-Fi within the network range.
- Choose the appropriate Wi-Fi name from the available list, and input the correct password in the password interface, and then tap **Connect to Wi-Fi (OK)**.

Wi-Fi Settings	TP-LINK_7997
WIFI 	Security: WPA2PSK/WPA2PSK
360WiFi-483F2B Not in the network range	Signal Strength: Very Strong
Add Wi-Fi Network	Password
Advanced	
	Connect to Wi-Fi (OK) Cancel (ESC)

WIFI Enabled: Tap on the required network from the searched network list.

Tap on the password field to enter the password, and then tap on **Connect to Wi-Fi (OK)**.

- When the Wi-Fi is connected successfully, the initial interface will display the Wi-Fi  logo.
- Add WIFI Network Manually**

The Wi-Fi can also be added manually if the required Wi-Fi does not show on the list.

Wi-Fi Settings	Add Wi-Fi Network
WIFI 	SSID
360WiFi-483F2B Not in the network range	Network Mode INFRA
Add Wi-Fi Network	Auth. Mode OPEN
Advanced	

Tap on **Add Wi-Fi Network** to add the Wi-Fi manually.

On this interface template, enter the Wi-Fi network parameters. (The added network must exist.)

Note: After successfully adding the WIFI manually, follow the same process to search for the added WIFI name. [Click here to view the process to search the WIFI network.](#)

● Advanced Setting

On the **Wireless Network** interface, tap on **Advanced** to set the relevant parameters as required.

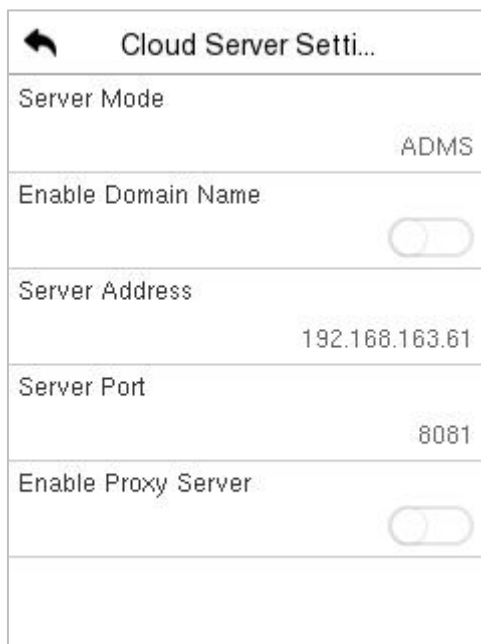
Wi-Fi Settings	Ethernet
WIFI 	DHCP 
360WiFi-483F2B Not in the network range	IP Address 192.168.0.129
Add Wi-Fi Network	Subnet Mask 255.255.255.0
Advanced	Gateway 192.168.0.1
	DNS 192.168.0.1

Function Description

Function Name	Description
DHCP	Dynamic Host Configuration Protocol (DHCP) dynamically allocates IP addresses to network clients. If the DHCP is enabled, then the IP cannot be set manually.
IP Address	IP address for the WIFI network, the default is 0.0.0.0. It can be modified according to the network availability.
Subnet Mask	The default Subnet Mask of the WIFI network is 255.255.255.0. It can be modified according to the network availability.
Gateway	The default Gateway address is 0.0.0.0. Can be modified according to the network availability.
DNS	The default DNS address is 0.0.0.0. It can be modified according to the network availability.

5.5 Cloud Server Setting

Tap **Cloud Server Setting** on the **Comm.** Settings interface to connect with the ADMS server.



Cloud Server Setti...	
Server Mode	ADMS
Enable Domain Name	☐
Server Address	192.168.163.61
Server Port	8081
Enable Proxy Server	☐

Function Description

Function Name		Description
Enable Domain Name	Server Address	Once this function is enabled, the domain name mode "http://..." will be used, such as http://www.XYZ.com, while "XYZ" denotes the domain name (when this mode is turned ON).
Disable Domain Name	Server Address	IP address of the ADMS server.
	Server Port	Port used by the ADMS server.
Enable Proxy Server		When you choose to enable the proxy, you need to set the IP address and port number of the proxy server.

5.6 Wiegand Setup

To set the Wiegand input or output parameters.

Tap **Wiegand Setup** on the **Comm.** Settings interface to set the Wiegand input or output parameters.



Wiegand Setup	
ID Type	Wiegand Output
Wiegand Options	

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.

5.6.1 Wiegand Input

Tap **ID Type** on the **Wiegand Setup**, select **Wiegand Input**, and then tap **Wiegand Options** on the **Wiegand Setup**.



← ID Type

☒ Wiegand Input

☐ Wiegand Output

← Wiegand Options

Wiegand Format

Wiegand Bits 26

Pulse Width(us) 100

Pulse Interval(us) 1000

ID Type User ID

Function Description

Function Name	Descriptions
Wiegand Format	Values range from 26 Bits, 32 Bits, 34 Bits, 36 Bits, 37 Bits, 50 Bits and 64Bits.
Wiegand Bits	Number of bits of Wiegand data.
Pulse Width(us)	The value of the pulse width sent by Wiegand is 100 microseconds by default, which can be adjusted within the range of 20 to 400 microseconds.
Pulse Interval(us)	The default value is 1000 microseconds, which can be adjusted within the range of 200 to 20000 microseconds.
ID Type	Select between User ID and card number.

Various Common Wiegand Format Description

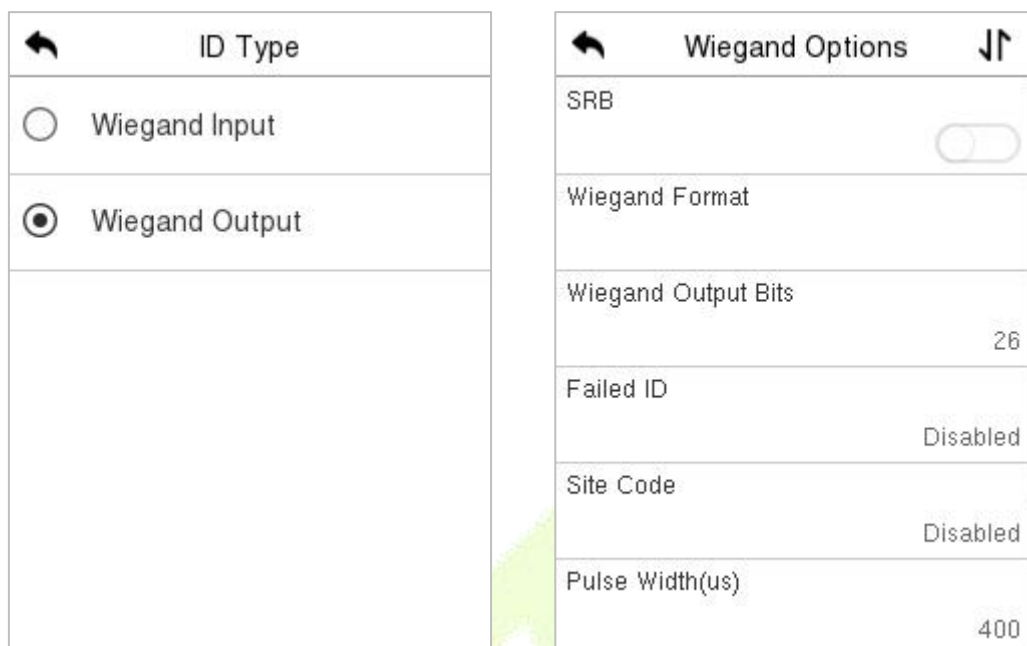
Wiegand Format	Description
Wiegand26	EEEEEEEEEEEEEEEEEEEEEEEEEEEE Consists of 26 bits of binary code. The 1st bit is the even parity bit of the 2nd to 13th bits, while the 26th bit is the odd parity bit of the 14th to 25th bits. The 2nd to 25th bits is the card numbers.

Wiegand26a	ESSSSSSSSCCCCCCCCCCCCCCCCCCCO Consists of 26 bits of binary code. The 1 st bit is the even parity bit of the 2 nd to 13 th bits, while the 26 th bit is the odd parity bit of the 14 th to 25 th bits. The 2 nd to 9 th bits is the site codes, while the 10 th to 25 th bits are the card numbers.
Wiegand34	ECCCCCCCCCCCCCCCCCCCCCCCCCCCCCCO Consists of 34 bits of binary code. The 1 st bit is the even parity bit of the 2 nd to 17 th bits, while the 34 th bit is the odd parity bit of the 18 th to 33 rd bits. The 2 nd to 25 th bits is the card numbers.
Wiegand34a	ESSSSSSSSCCCCCCCCCCCCCCCCCCCCCCO Consists of 34 bits of binary code. The 1 st bit is the even parity bit of the 2 nd to 17 th bits, while the 34 th bit is the odd parity bit of the 18 th to 33 rd bits. The 2 nd to 9 th bits is the site codes, while the 10 th to 25 th bits are the card numbers.
Wiegand36	OFFFFFFFFFCCCCCCCCCCCCCCCCMME Consists of 36 bits of binary code. The 1 st bit is the odd parity bit of the 2 nd to 18 th bits, while the 36 th bit is the even parity bit of the 19 th to 35 th bits. The 2 nd to 17 th bits is the device codes. The 18 th to 33 rd bits is the card numbers, and the 34 th to 35 th bits are the manufacturer codes.
Wiegand36a	EFFFFFFFFFCCCCCCCCCCCCCCCCCCO Consists of 36 bits of binary code. The 1 st bit is the even parity bit of the 2 nd to 18 th bits, while the 36 th bit is the odd parity bit of the 19 th to 35 th bits. The 2 nd to 19 th bits is the device codes, and the 20 th to 35 th bits are the card numbers.
Wiegand37	OMMMMSSSSSSSSSSSSCCCCCCCCCCCCCCCCE Consists of 37 bits of binary code. The 1 st bit is the odd parity bit of the 2 nd to 18 th bits, while the 37 th bit is the even parity bit of the 19 th to 36 th bits. The 2 nd to 4 th bits is the manufacturer codes. The 5 th to 16 th bits is the site codes, and the 21 st to 36 th bits are the card numbers.
Wiegand37a	EMMMFFFFFFFFFSSSSSSCCCCCCCCCCCCCCCO Consists of 37 bits of binary code. The 1 st bit is the even parity bit of the 2 nd to 18 th bits, while the 37 th bit is the odd parity bit of the 19 th to 36 th bits. The 2 nd to 4 th bits is the manufacturer codes. The 5 th to 14 th bits is the device codes, and 15 th to 20 th bits are the site codes, and the 21 st to 36 th bits are the card numbers.
Wiegand50	ESSSSSSSSSSSSSSSSSSSSCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCO Consists of 50 bits of binary code. The 1 st bit is the even parity bit of the 2 nd to 25 th bits, while the 50 th bit is the odd parity bit of the 26 th to 49 th bits. The 2 nd to 17 th bits is the site codes, and the 18 th to 49 th bits are the card numbers.

"C" denotes the card number; "E" denotes the even parity bit; "O" denotes the odd parity bit; "F" denotes the facility code; "M" denotes the manufacturer code; "P" denotes the parity bit; and "S" denotes the site code.

5.6.2 Wiegand Output

Tap **ID Type** on the **Wiegand Setup**, select **Wiegand Output**, and then tap **Wiegand Options** on the **Wiegand Setup**.



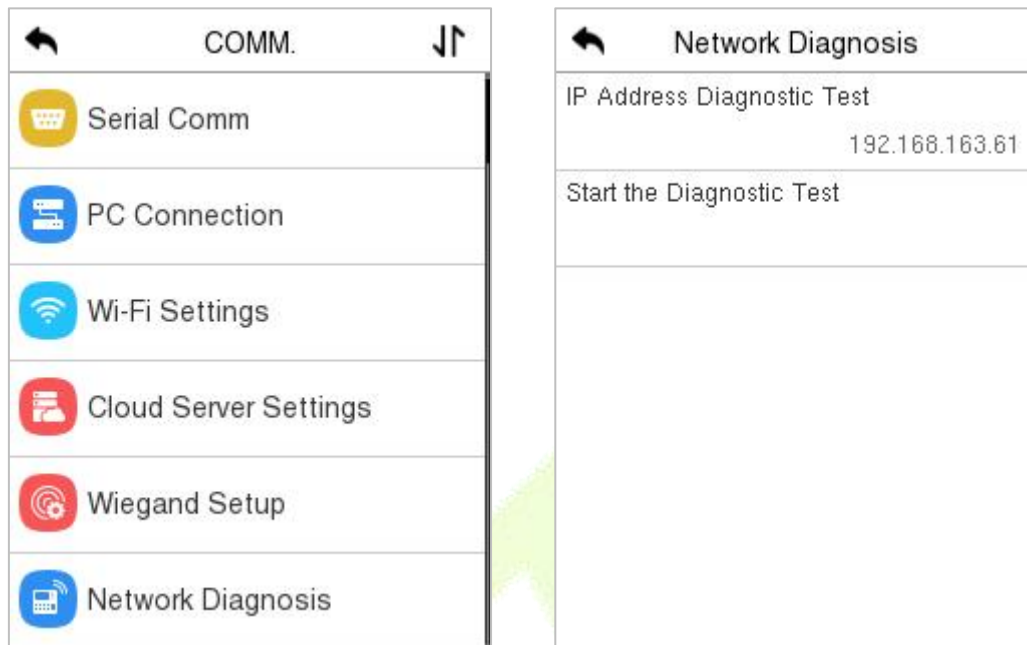
Function Description

Function Name	Descriptions
SRB★	When SRB is enabled, the lock is controlled by the SRB to prevent the lock from being opened due to device removal.
Wiegand Format	Values range from 26 bits, 32 Bits, 34 bits, 36 bits, 37 bits, and 50 bits.
Wiegand Output Bits	After selecting the required Wiegand format, select the corresponding output bit digits of the Wiegand format.
Failed ID	If the verification is failed, the system will send the failed ID to the device and replace the card number or personnel ID with the new one.
Site Code	It is similar to the device ID. The difference is that a site code can be set manually, and is repeatable in a different device. The valid value ranges from 0 to 256 by default.
Pulse Width(us)	The time width represents the changes of the quantity of electric charge with regular high-frequency capacitance within a specified time.
Pulse Interval(us)	The time interval between pulses.
ID Type	Select the ID types as either User ID or card number.

5.7 Network Diagnosis

To set the network diagnosis parameters.

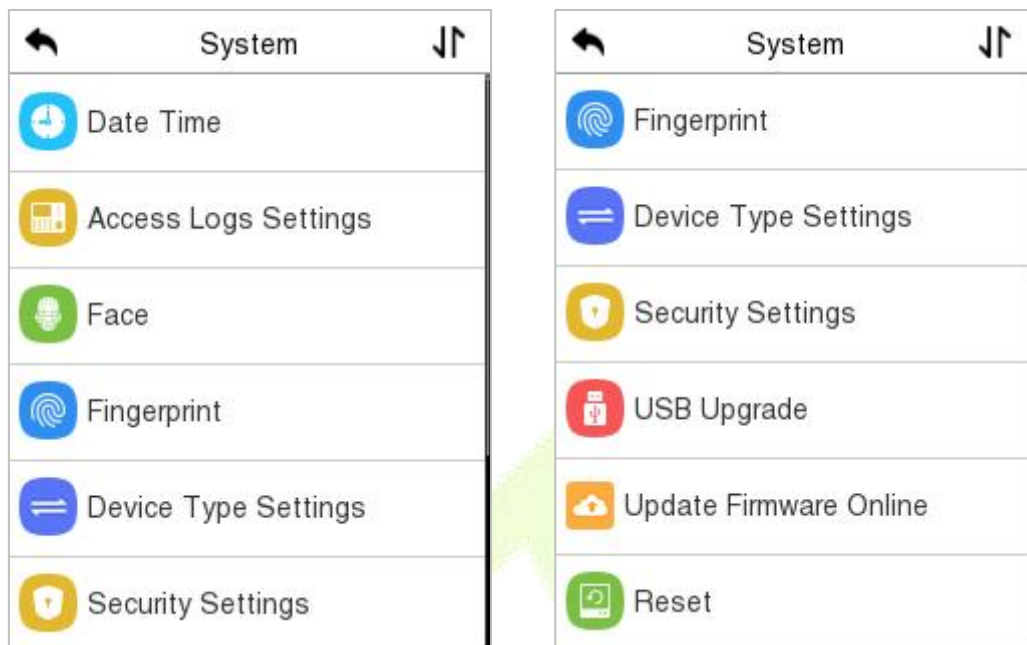
Tap **Network Diagnosis** on the **Comm.** Settings interface to set the IP address diagnostic and start the diagnostic parameters.



6 System Settings

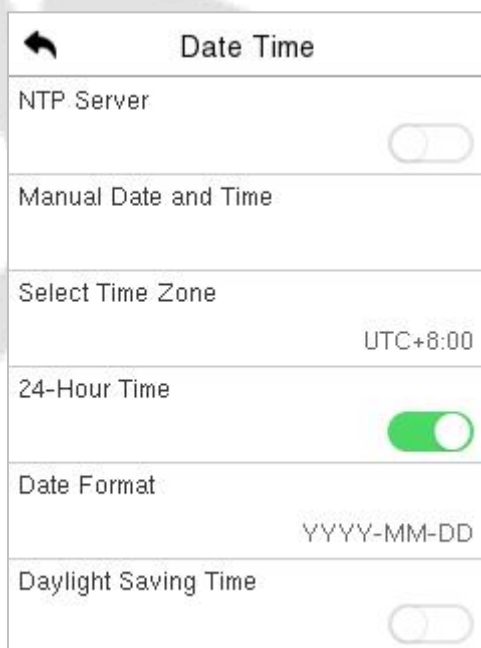
Set related system parameters to optimize the performance of the device.

Tap **System** on the **Main Menu** interface to set the related system parameters to optimize the performance of the device.



6.1 Date and Time

Tap **Date Time** on the **System** interface to set the date and time.



- The product supports the NTP synchronization time system by default. This function takes effect after **NTP Server** is enabled and the corresponding NTP server address link is set.

- If users need to set date and time manually, disable **NTP Server** first, and then tap **Manual Data and Time** to set date and time and tap **Confirm** to save.

Date Time	
Select Time Zone	UTC+8:00
24-Hour Time	☒
Date Format	YYYY-MM-DD
Daylight Saving Time	☒
Daylight Saving Mode	By Date/Time
Daylight Saving Setup	

- Tap **24-Hour Time** to enable or disable this format. If enabled, then select the **Date Format** to set the date format.
- Tap **Daylight Saving Time** to enable or disable the function. If enabled, tap **Daylight Saving Mode** to select a daylight-saving mode and then tap **Daylight Saving Setup** to set the switch time.

Daylight Saving Se...	
Start Month	1
Start Week	1
Start Day	Sunday
Start Time	00:00
End Month	1
End Week	1

Daylight Saving Se...	
Start Date	00-00
Start Time	00:00
End Date	00-00
End Time	00:00

Week mode

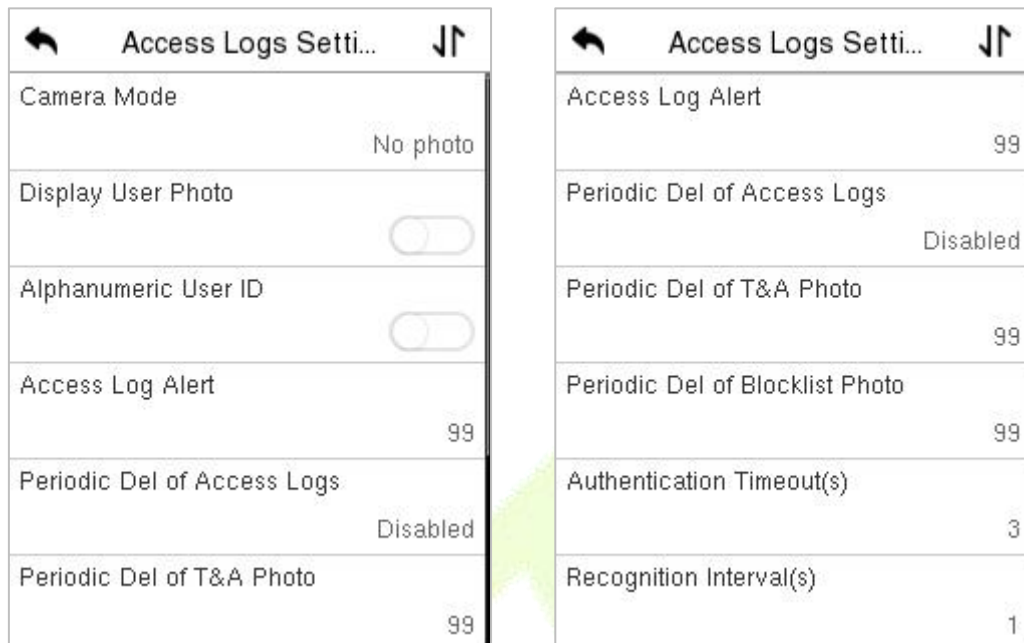
Date mode

- When restoring the factory settings, the time (24-hour) and date format (YYYY-MM-DD) can be restored, but the device date and time cannot be restored.

Note: For example, the user sets the time of the device (18:35 on March 15, 2019) to 18:30 on January 1, 2020. After restoring the factory settings, the time of the equipment will remain 18:30 on January 1, 2020.

6.2 Access Logs Settings

Click **Access Logs Settings** on the System interface.



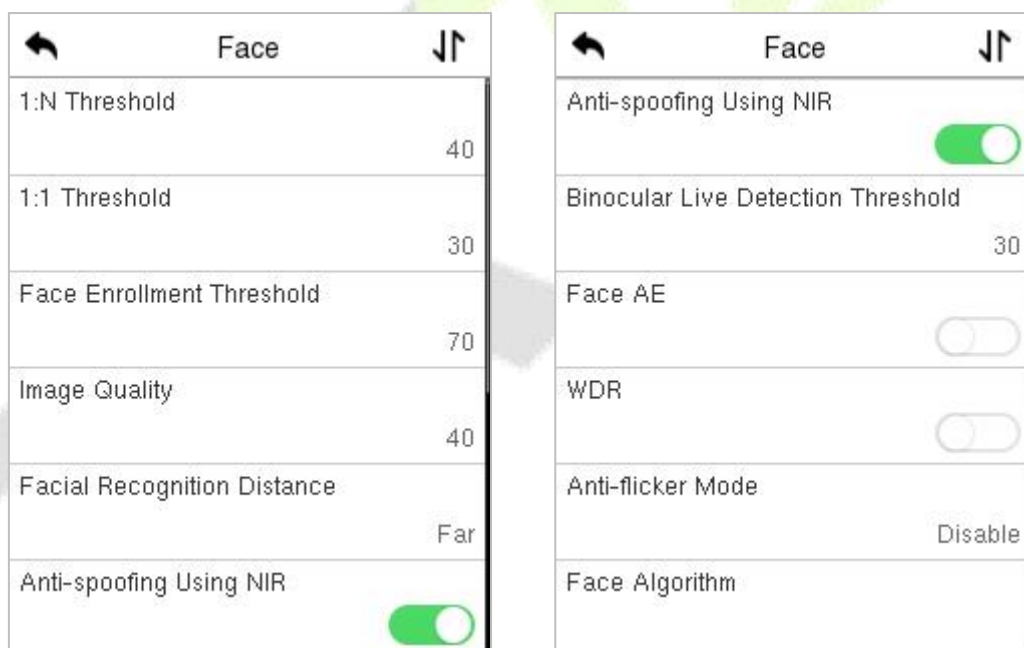
Function Description

Function Name	Description
Camera Mode	This function is disabled by default. When enabled, a security prompt will pop-up and the sound of shutter in the camera will turn on mandatorily. There are 5 modes: No Photo: No photo is taken during user verification. Take photo, no save: Photo is taken but is not saved during verification. Take photo and save: Photo is taken and saved during verification. Save on successful verification: Photo is taken and saved for each successful verification. Save on failed verification: Photo will be taken and saved only for each failed verification.
Display User Photo	This function is disabled by default. When enabled, there will be a security prompt.
Alphanumeric User ID	Decides whether to support letters in a User ID.
Access Logs Alert	When the record space of the attendance access reaches the maximum threshold value, the device will automatically display the memory space warning. Users may disable the function or set a valid value between 1 and 9999.

Periodic Del of Access Logs	When access records have reached full capacity, the device will automatically delete a set of old access records. Users may disable the function or set a valid value between 1 and 999.
Periodic Del of T&A Photo	When attendance photos have reached full capacity, the device will automatically delete a set of old attendance photos. Users may disable the function or set a valid value between 1 and 99.
Periodic Del of Blocklist Photo	When block listed photos have reached full capacity, the device will automatically delete a set of old block listed photos. Users may disable the function or set a valid value between 1 and 99.
Authentication Timeout(s)	The time length of the message of successful verification displays. Valid value: 1~9 seconds.
Recognition Interval (s)	To set the facial template matching time interval as required. Valid value: 0~9 seconds.

6.3 Face Template Parameters

Tap **Face** on the **System** interface to go to the face template parameter settings.



FRR	FAR	Recommended Matching Thresholds	
		1:N	1:1
High	Low	85	80
Medium	Medium	82	75
Low	High	80	70

Function Description

Function Name	Description
1:N Threshold	Under 1:N verification mode, the verification will only be successful when the similarity between the acquired facial image and all registered facial templates is greater than the set value. The valid value ranges from 0 to 100. The higher the thresholds, the lower the misjudgement rate, the higher the rejection rate, and vice versa. It is recommended to set the default value of 75.
1:1 Threshold	Under 1:1 verification mode, the verification will only be successful when the similarity between the acquired facial image and the user's facial templates enrolled in the device is greater than the set value. The valid value ranges from 0 to 100. The higher the thresholds, the lower the misjudgement rate, the higher the rejection rate, and vice versa. It is recommended to set the default value of 63.
Face Enrollment Threshold	During face template enrollment, 1:N comparison is used to determine whether the user has already registered before. When the similarity between the acquired facial image and all registered facial templates is greater than this threshold, it indicates that the face template has already been registered.
Image Quality	Image quality for facial registration and comparison. The higher the value, the clearer the image requires.
Facial Recognition Distance	Face template recognition of the maximum distance, greater than this value will be filtered. The parameter value can be understood as the face template size required for registration and comparison. The farther the distance from people, the smaller the face template pixels obtained by the algorithm. When the value is 0, it means that the face template comparison distance is not limited.
Anti-spoofing Using NIR	Using near-infrared spectra imaging to identify and prevent fake photos and videos attack
Binocular Live Detection Threshold	It is convenient to judge whether the near-infrared spectral imaging is fake photo and video. The larger the value, the better the anti-spoofing performance of near-infrared spectral imaging.
Face AE	When the face is in front of the camera in Face AE mode, the brightness of the face area increases, while other areas become darker.
WDR	Wide Dynamic Range (WDR) balances light and extends image visibility for surveillance videos under high contrast lighting scenes and improves object identification under bright and dark environments.
Anti-flicker Mode	Used when WDR is turned off. This helps reduce flicker when the device's screen flashes at the same frequency as the light.
Face Algorithm	Facial algorithm related information and pause facial template update.
Notes	Improper adjustment of the exposure and quality parameters may severely affect the performance of the device. Please adjust the exposure parameter only under the guidance of the after-sales service personnel of our company.

6.4 Fingerprint Parameters★

Click **Fingerprint** on the System interface.

Fingerprint	
1:1 Threshold	15
1:N Threshold	35
FP Sensor Sensitivity	Low
1:1 Retry Attempts	3
Fingerprint Algorithm	Finger VX13.0
Fingerprint Image	None

FRR	FAR	Recommended matching thresholds	
		1:N	1:1
High	Low	45	25
Medium	Medium	35	15
Low	High	25	10

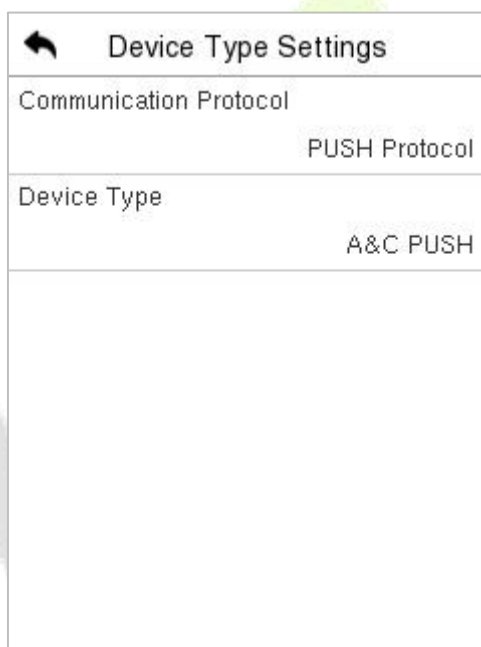
Function Description

Function Name	Descriptions
1:1 Threshold	Under 1:1 verification method, the verification will only be successful when the similarity between the acquired fingerprint data and the fingerprint template associated with the entered user ID enrolled in the device is greater than the set value.
1:N Threshold	Under 1:N verification method, the verification will only be successful when the similarity between the acquired fingerprint data and the fingerprint templates enrolled in the device is greater than the set value.
FP Sensor Sensitivity	To set the sensibility of fingerprint acquisition. It is recommended to use the default level " Medium ". When the environment is dry, resulting in slow fingerprint detection, you can set the level to " High " to raise the sensibility; when the environment is humid, making it hard to identify the fingerprint, you can set the level to " Low ".
1:1 Retry Attempts	In 1:1 Verification, users might forget the registered fingerprint, or press the finger improperly. To reduce the process of re-entering user ID, retry is allowed.
Fingerprint Algorithm	Used to switch the version of the fingerprint algorithm, Finger VX13.0 or Finger VX10.0.

Fingerprint Image	This function is disabled by default. After disabling it, the fingerprint image will not be displayed when registering and verifying fingerprints. The menu interface allows to enable or disable this function, and there are security prompts when switching. Four choices are available: Show for enroll: to display the fingerprint image on the screen only during enrollment. Show for match: to display the fingerprint image on the screen only during verification. Always show: to display the fingerprint image on screen during enrollment and verification. None: not to display the fingerprint image.
--------------------------	---

6.5 Device Type Setting

Tap **Device Type Setting** on the System interface.

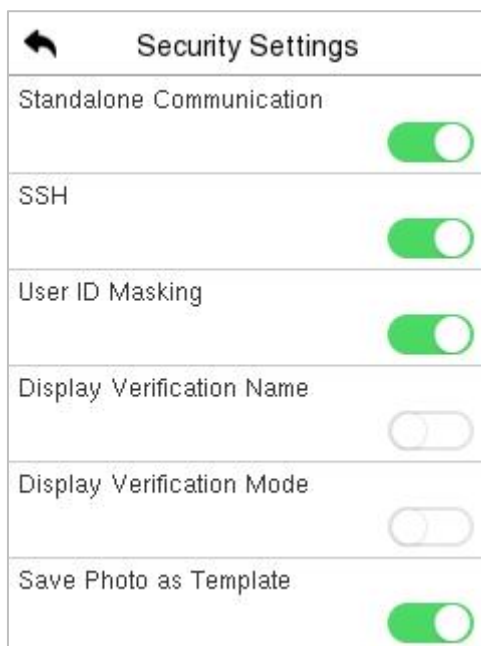


Function Description

Function Name	Description
Communication Protocol	Set the device communication protocol. (BEST protocol is managed by ZKBio Zlink, please refer to 15 Connecting to ZKBio Zlink App.)
Device Type	Set the device as time attendance terminal (T&A PUSH) or access control terminal (A&C PUSH).

6.6 Security Setting

Tap **Security Setting** on the **System** interface.



Function Description

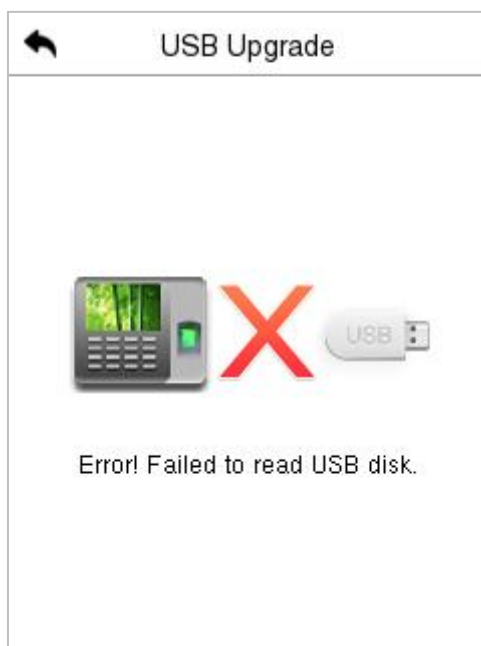
Function Name	Description
Standalone Communication	By default, this function is disabled. This function can be enabled or disabled via the menu interface. When it is switched on, a security prompt appears, and the device will restart after you confirm.
SSH	The device does not support the Telnet feature, hence SSH is typically used for remote debugging. By default, SSH is enabled. The menu interface allows you to enable and disable SSH. When enabled, there will be a security prompt, but the device will not need to be restarted after confirmation.
User ID Masking	After enabled, the User ID will be partially displayed after the personnel verification result (only the User ID with more than 2 digits supports the masking display), and it is enabled by default.
Display Verification Name	After enabled, the user's name will be displayed after the personnel verification result. The verification result will not show the name after disabling it.
Display Verification Mode	After enabled, the personnel verification result will show the user's verification mode. The verification result will not show the verification mode after you disable it.
Save Photo as Template	After disabling this function, face template re-registration is required after an algorithm upgrade.

6.7 USB Upgrade

Tap **USB Upgrade** on the **System** interface.

The device's firmware program can be upgraded with the upgrade file in a USB drive. Before conducting this operation, please ensure that the USB drive contains the correct upgrade file and is properly inserted into the device.

If no USB disk is inserted in, the system gives the following prompt after you tap **USB Upgrade** on the System interface.

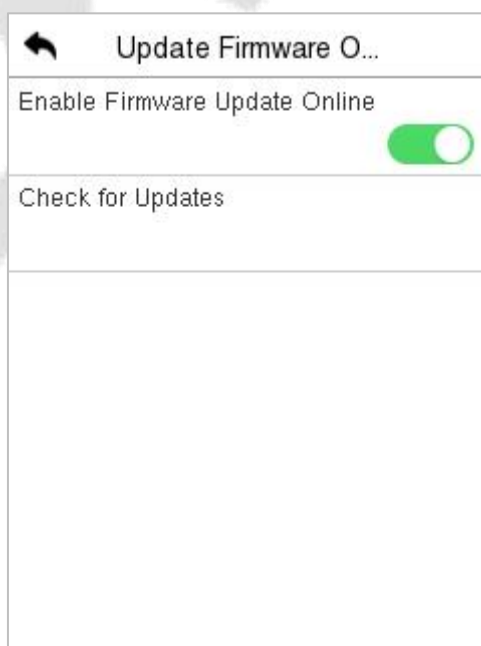


Note: If upgrade file is needed, please contact our technical support. Firmware upgrade is not recommended under normal circumstances.

6.8 Update Firmware Online

Click **Update Firmware Online** on the System interface.

Click **Enable firmware update online** function, the device will prompt that the update may bring some data security risks, which requires manual confirmation by the user (If the security setting function is turned off, the risk warning will not be displayed when the online update is turned on).



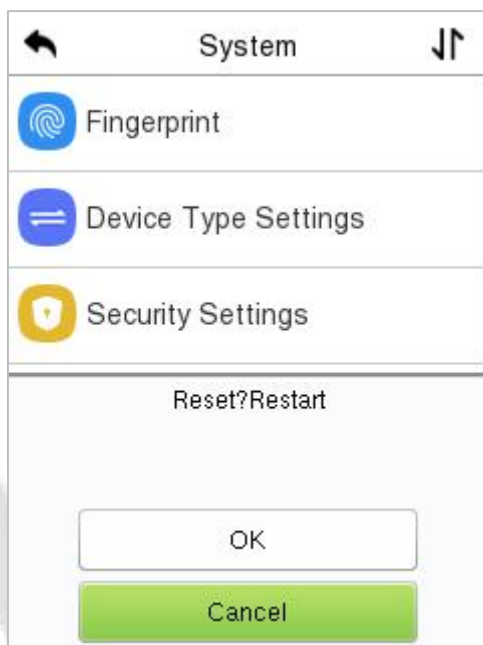
Click **Check for Updates** it may have the following 3 scenarios:

- If the query fails, the interface will prompt "Query failed".
- If the firmware version of the device is latest, it will prompt that the current firmware version is already the latest.
- If the firmware version of the device is not the latest, the version number and change log of the latest version will be displayed. Users can choose whether to update to the latest firmware version.

6.9 Factory Reset

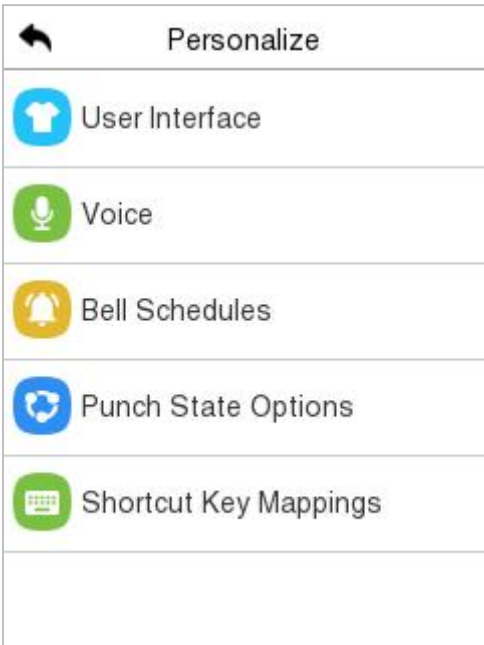
The Factory Reset function restores the device settings such as communication settings and system settings, to the default factory settings (This function does not clear registered user data).

Tap **Reset** on the **System** interface and then tap **OK** to restore the default factory settings.



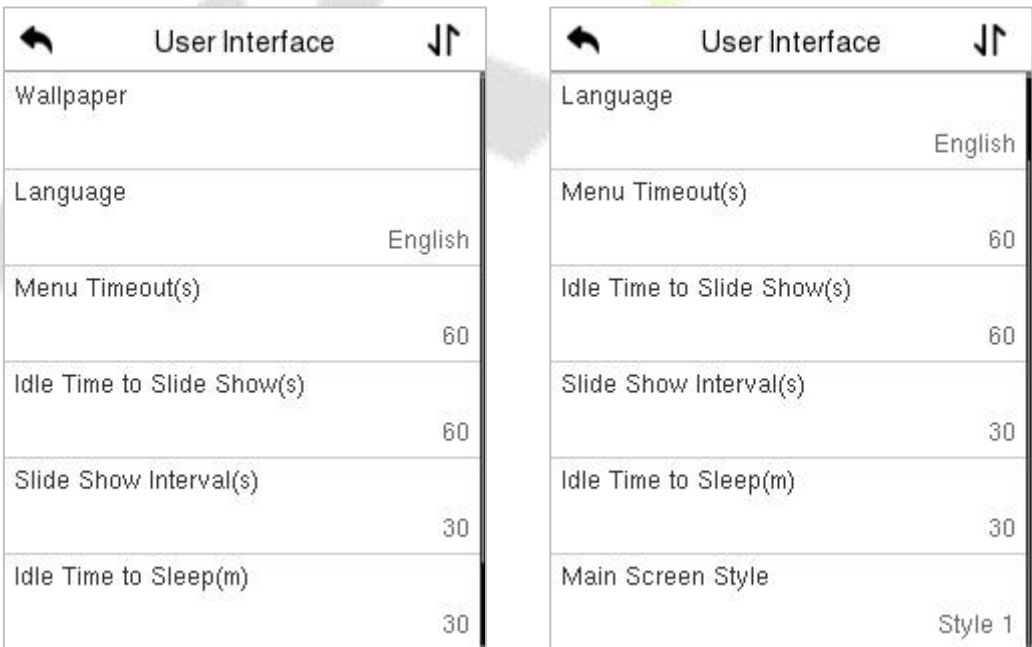
7 Personalize Settings

Tap **Personalize** on the **Main Menu** interface to customize interface settings, voice, bell, punch state options and shortcut key mappings.



7.1 User Interface Settings

Tap **User Interface** on the **Personalize** interface to customize the display style of the main interface.



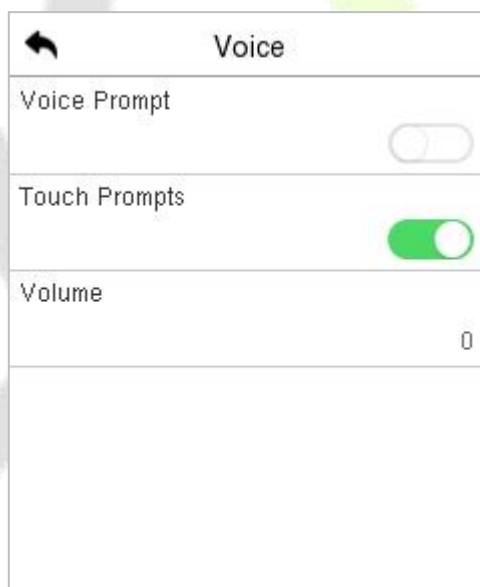
Function Description

Function Name	Description
Wallpaper	The main screen wallpaper can be selected according to the user preference.

Language	Select the language of the device.
Menu Timeout (s)	When there is no operation, and the time exceeds the set value, the device will automatically go back to the initial interface. The function either can be disabled or set the required value between 60 and 99999 seconds.
Idle Time to Slide Show (s)	When there is no operation, and the time exceeds the set value, a slide show will be played. The function can be disabled, or you may set the value between 3 and 999 seconds.
Slide Show Interval (s)	It is the time interval in switching between different slide show photos. The function can be disabled, or you may set the interval between 3 and 999 seconds.
Idle Time to Sleep (m)	If the sleep mode is activated, and when there is no operation in the device, then the device will enter standby mode. Tap the screen anywhere to resume normal working mode. This function can be disabled or set a value within 1-999 minutes.
Main Screen Style	The main screen style can be selected according to the user preference.

7.2 Voice Settings

Tap **Voice** on the **Personalize** interface to configure the voice settings.

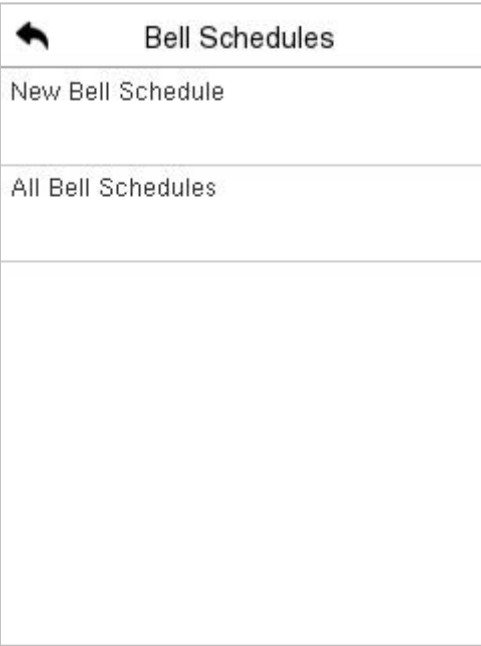


Function Description

Function Name	Description
Voice Prompt	Toggle to enable or disable the voice prompts during function operations.
Touch Prompt	Toggle to enable or disable the keypad sounds.
Volume	Adjust the volume of the device which can be set between 0 to 100.

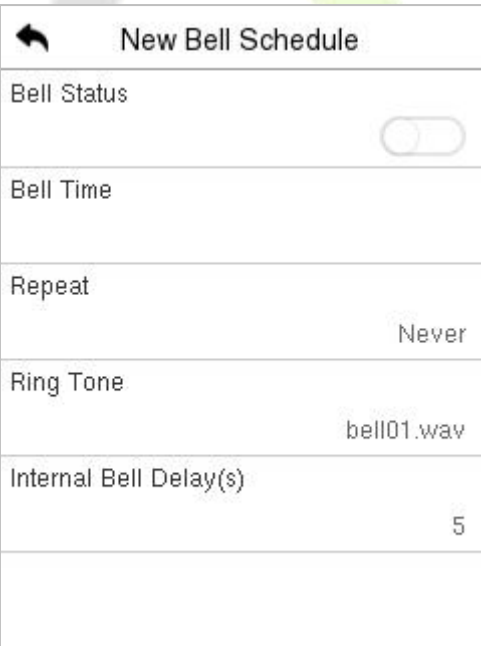
7.3 Bell Schedules

Tap **Bell Schedules** on the **Personalize** interface to configure the Bell settings.



● **New bell schedule**

Tap **New Bell Schedule** on the **Bell Schedule** interface to add a new bell schedule.



Function Description

Function Name	Description
Bell Status	Toggle to enable or disable the bell status.
Bell Time	Once the required time is set, the device will automatically trigger to ring the bell during that time.

Repeat	Set the required number of counts to repeat the scheduled bell.
Ring Tone	Select a ring tone.
Internal Bell Delay(s)	Set the replay time of the internal bell. Valid values range from 1 to 999 seconds.

- **All bell schedules:**

Once the bell is scheduled, on the **Bell Schedules** interface, tap **All Bell Schedules** to view the newly scheduled bell.

- **Edit the scheduled bell:**

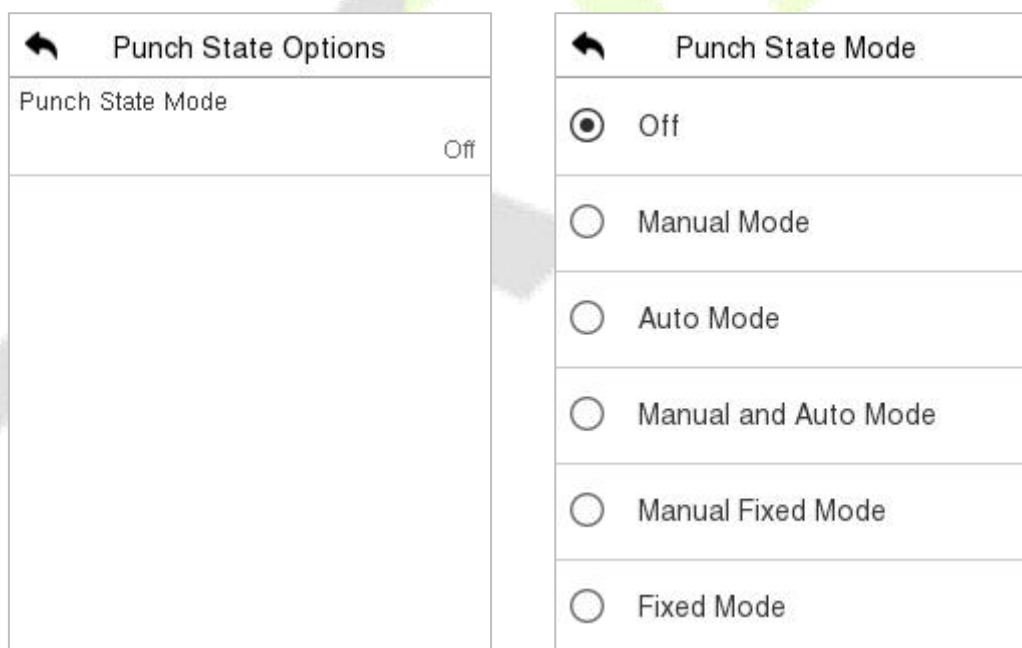
On the **All Bell Schedules** interface, tap on the required bell schedule, and tap **Edit** to edit the selected bell schedule. The editing method is the same as the operations of adding a new bell schedule.

- **Delete a bell:**

On the **All Bell Schedules** interface, tap the required bell schedule, and tap **Delete**, and then tap **Yes** to delete the selected bell.

7.4 Punch States Options

Tap **Punch States Options** on the **Personalize** interface to configure the punch state settings.



Function Description

Function Name	Description
Punch State Mode	Off: Disable the punch state function. Therefore, the punch state key set under Shortcut Key Mappings menu will become invalid. Manual Mode: Switch the punch state key manually, and the punch state key will disappear after Punch State Timeout.

Auto Mode: The punch state key will automatically switch to a specific punch status according to the predefined time schedule which can be set in the Shortcut Key Mappings.

Manual and Auto Mode: The main interface will display the auto-switch punch state key. However, the users will still be able to select alternative that is the manual attendance status. After timeout, the manual switching punch state key will become auto-switch punch state key.

Manual Fixed Mode: After the punch state key is set manually to a particular punch status, the function will remain unchanged until being manually switched again.

Fixed Mode: Only the manually fixed punch state key will be shown. Users cannot change the status by pressing any other keys.

7.5 Shortcut Key Mappings

Users may define shortcut keys for attendance status and for functional keys which will be defined on the main interface. So, on the main interface, when the shortcut keys are pressed, the corresponding attendance status or the function interface will be displayed directly.

Tap **Shortcut Key Mappings** on the **Personalize** interface to set the required shortcut keys.

Shortcut Key Mapp...	
F1	Check-In
F2	Check-Out
F3	Break-Out
F4	Break-In
F5	Overtime-In
F6	Overtime-Out

- On the **Shortcut Key Mappings** interface, tap on the required shortcut key to configure the shortcut key settings.
- On the **Shortcut Key** (that is "F1") interface, tap **function** to set the functional process of the shortcut key either as punch state key or function key.
- If the Shortcut key is defined as a function key (such as New user, All users, etc.), the configuration is completed as shown in the image below.

F1

Punch State Value

0

Function

Punch State Options

Name

Check-In

F1

Function

New User

- If the Shortcut key is set as a punch state key (such as check in, check out, etc.), then it is required to set the punch state value (valid value 0~250), name.

Note: When the function is set to Undefined, the device will not enable the punch state key.

● **Set the Switch Time**

- The switch time is set in accordance with the punch state options.
- On the **Punch States Options** interface, when the **punch state mode** is set to **auto mode**, the switch time should be set.
- On the **Shortcut Key** interface, tap **Set Switch Time** to set the switch time.
- On the **Switch Cycle** interface, select the switch cycle (Monday, Tuesday etc.) as shown in the image below.
- Once the Switch cycle is selected, set the switch time for each day and tap **OK** to confirm, as shown in the image below.

Punch State Mode

☐ Off

☐ Manual Mode

☒ Auto Mode

☐ Manual and Auto Mode

☐ Manual Fixed Mode

☐ Fixed Mode

F1

Punch State Value

0

Function

Punch State Options

Name

Set Switch Time

Switch Cycle

☒ Monday

☒ Tuesday

☒ Wednesday

☒ Thursday

☒ Friday

☒ Saturday

Monday

12:00

12

00

HHMM

Confirm (OK)

Cancel (ESC)

Set Switch Time

Switch Cycle

Daily

Monday

Tuesday

Wednesday

Thursday

Friday

Set Switch Time

Switch Cycle

Daily

Monday

12:00

Tuesday

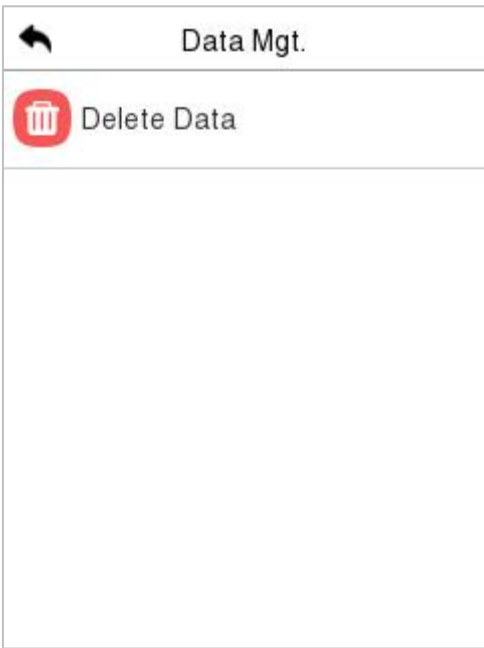
Wednesday

Thursday

Friday

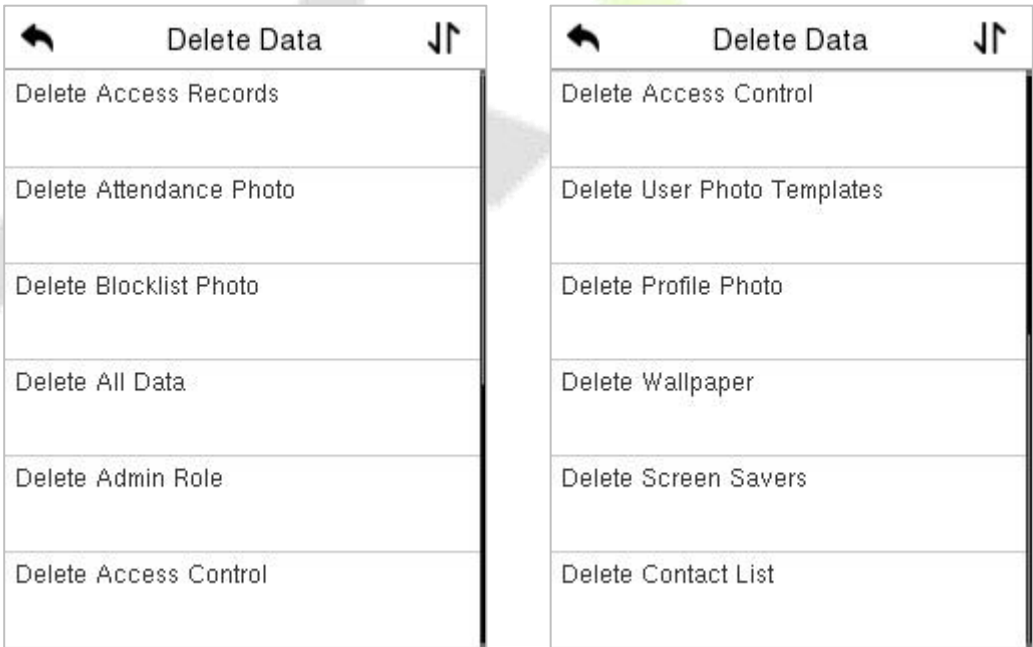
8 Data Management

On the **Main Menu**, tap **Data Mgt.** to delete the relevant data in the device.



8.1 Delete Data

Tap **Delete Data** on the **Data Mgt.** interface to delete the required data.

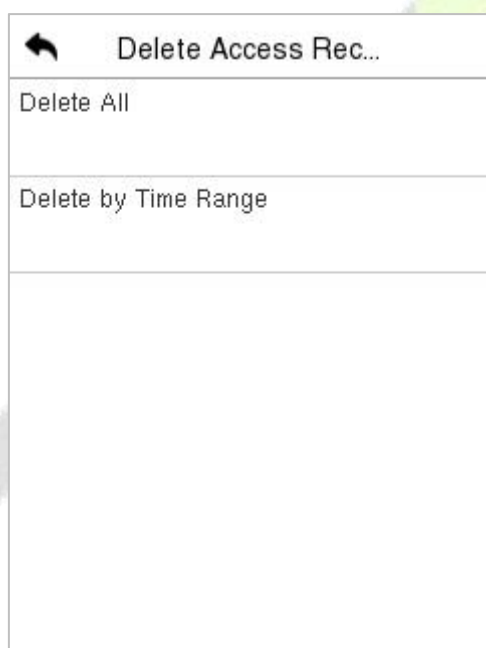


Function Description

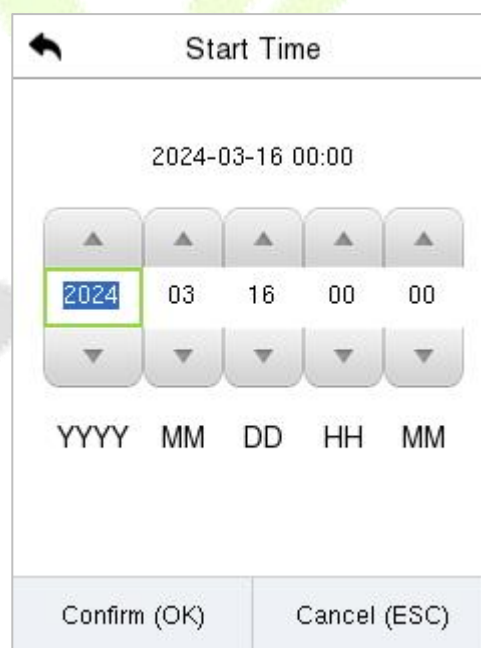
Function Name	Description
Delete Access Records	To delete access records conditionally.
Delete Attendance Photo	To delete attendance photos of designated personnel.

Delete Blocklist Photo	To delete the photos taken during failed verifications.
Delete All Data	To delete information and attendance logs/access records of all registered users.
Delete Admin Role	To remove all administrator privileges.
Delete Access Control	To delete all access data.
Delete User Photo Templates	To delete user photo templates in the device. When deleting template photos, there is a risk reminder: "Face re-registration is required after an algorithm upgrade."
Delete Profile Photo	To delete all user photos in the device.
Delete Wallpaper	To delete all wallpapers in the device.
Delete Screen Savers	To delete the screen savers in the device.
Delete Contact List	To delete all contact list of video intercom in the device.

The user may select Delete All or Delete by Time Range when deleting the access records, attendance photos or block listed photos. Selecting Delete by Time Range, you need to set a specific time range to delete all data within a specific period.



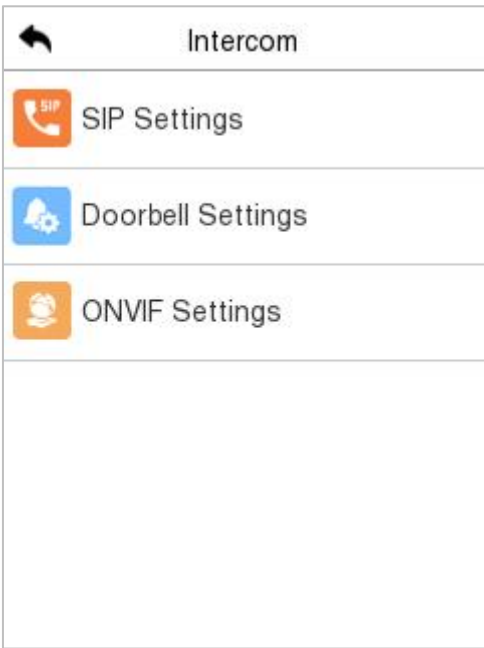
Select **Delete by Time Range**.



Set the time range and click **OK**.

9 Intercom

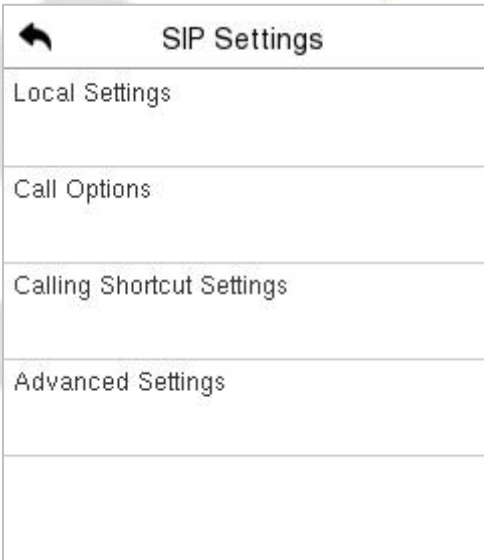
Click **Video intercom Parameters** on the System interface.



9.1 SIP Settings

Note: This function needs to be used with the indoor station.

Tap **SIP Settings** on the **Video intercom Parameters** interface to go to the monitoring SIP settings.



Function Description

Function Name		Description
Local Settings	SIP Server	Select whether to enable the server address. Once enabled, you need to set the server address, server port, display name, user name and password.

	Master Account Settings	Select whether to enable the master server address. Once enabled, you need to set the server address, server port, display name, user name and password. Note: Turning off this feature disables the SIP server function. Enable Domain Mode: Select whether to enable domain mode. Server Address: Enter the server address. Server Port: Enter the server port. Display Name: Enter the display name of the server. User Name: Enter the user name of the server. Verify ID: Enter the authentication ID of the server. Password: Enter the password of the server. Transport Protocol: Set the transmission protocol between the device and indoor unit.
	Backup Account Settings	Select whether to enable the backup server address. Once enabled, you need to set the server address, server port, display name, user name and password. Enable Domain Mode: Select whether to enable domain mode. Server Address: Enter the server address. Server Port: Enter the server port. Display Name: Enter the display name of the server. User Name: Enter the user name of the server. Verify ID: Enter the authentication ID of the server. Password: Enter the password of the server. Transport Protocol: Set the transmission protocol between the device and indoor unit.
	Device Port	When using the LAN for visual intercom, enter the network port number of the LAN.
	Device Type	You can set the type of the device as entrance station, access control terminal or fence terminal.
	Local Information	Set the information of the householder that the device specifically corresponds to, including block, unit, floor and door.
	Transport Protocol	Set the transmission protocol between the device and indoor unit.
	Calling Delay(s)	Set the duration of the calling, valid values are 30 to 60 seconds.
	Talking Delay(s)	Set the duration of the talking, valid values are 60 to 120 seconds.
Call Options	Call Volume Settings	Set the volume of the call, valid values are 0 to 100.

	Call Type	Set the type of the call to voice only or voice + video.
	Call Button Style	Change the visual intercom call button on the standby interface of the device, optional doorbell label  or phone label  .
	Auto Answer Settings	When the indoor unit dials the device successfully, it is automatically connected within the set answer time.
	Encryption	Whether to enable intercom call encryption function.
Contact List	When the SIP server is disabled, you can add the device number and call address of the indoor unit here.	
Calling Shortcut Settings	Set the quick call shortcuts in the call interface of visual intercom, the system defaults 5 shortcuts, including a management center and 4 customizable shortcuts. After enabling the shortcuts, customize the name, enter the device number set in the Contact List, then automatically match the IP address, after the operation is completed, then click on the generated customized name (shortcut) in the call interface of the visual intercom to call directly. Support standard mode and direct calling mode, in direct calling mode, users can call multiple indoor units at the same time. Note: When the SIP server is enabled, Direct Calling Mode can only call the Management Center	
Advanced Settings	Set the DTMF type and DTMF value of the device, the value should be set to the same as the DTMF value of the indoor unit.	

9.1.1 Connecting to SIP Server

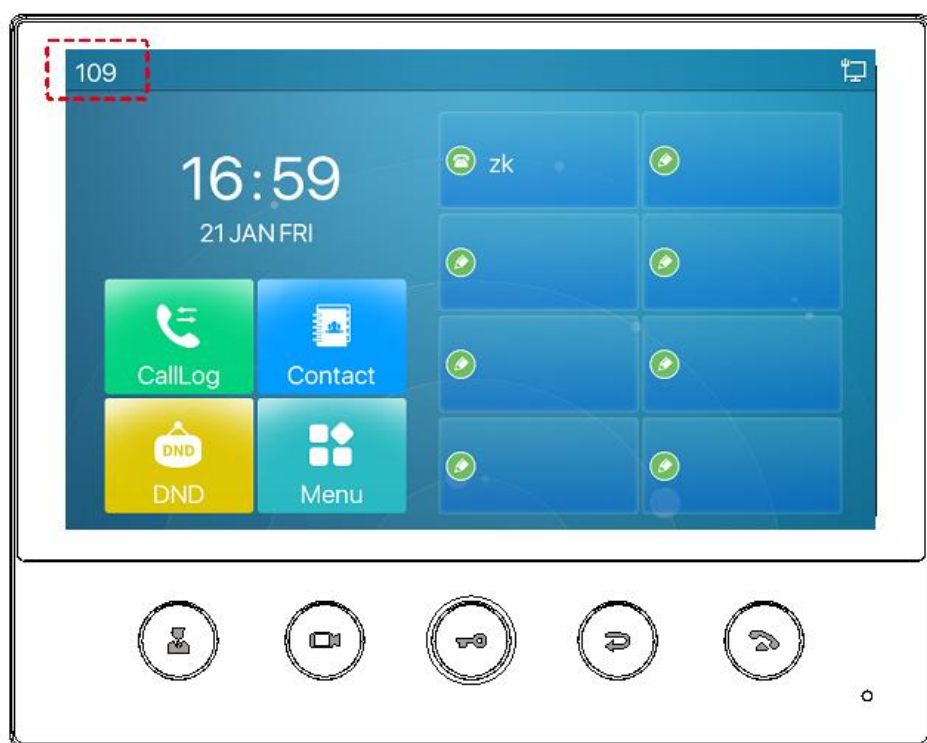
Note: When the SIP server is enabled, it is advised to select TCP mode first and UDP mode second, because TCP mode is more stable. When this function is enabled, the Contact List are not displayed.

Tap **SIP Settings** > **Local Settings** on the **Video intercom Parameters** interface to go to the monitoring parameter settings.

 SIP Settings Local Settings Call Options Calling Shortcut Settings Advanced Settings	 Local Settings SIP Server  Master Account Settings Backup Account Settings Device Type Entrance Station Local Information
--	---

1. On SenseFace 3 Series device, tap **Local Settings** on the **SIP Settings** interface, after the device is rebooted, enter the server-related 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 SenseFace 3 Series device is connected to the server. You can call the account name of the indoor station.

Note: When users need to enable SIP server, they need to purchase the server address and password from the distributor, or build the server confidently.

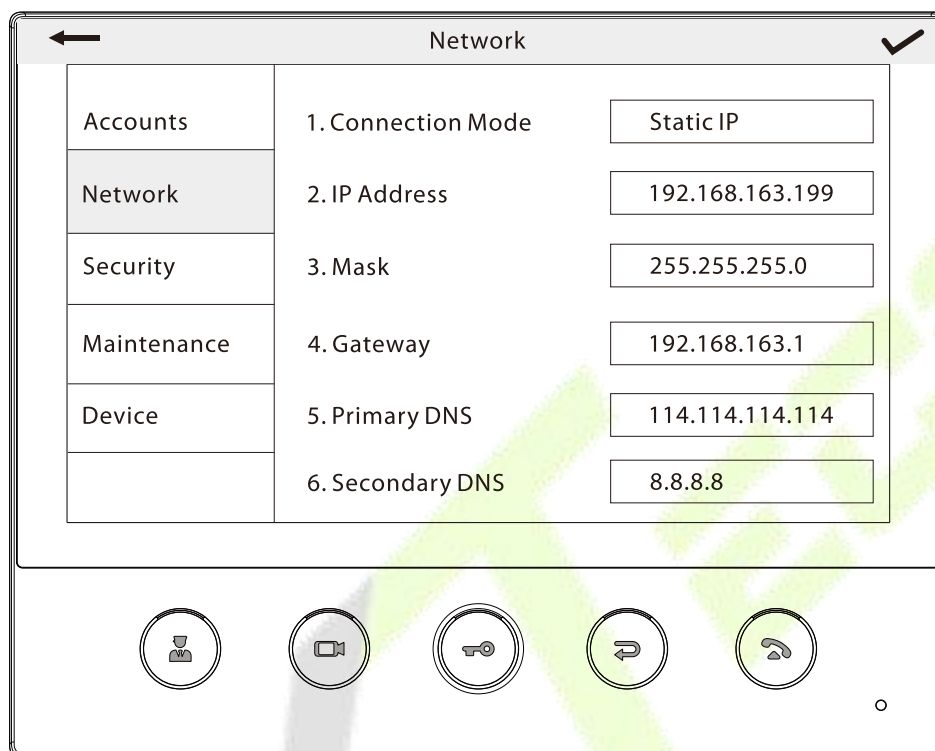


For details on the operation and use of the indoor station, please refer to the **Indoor Station User Manual**.

9.1.2 Local Area Network Use

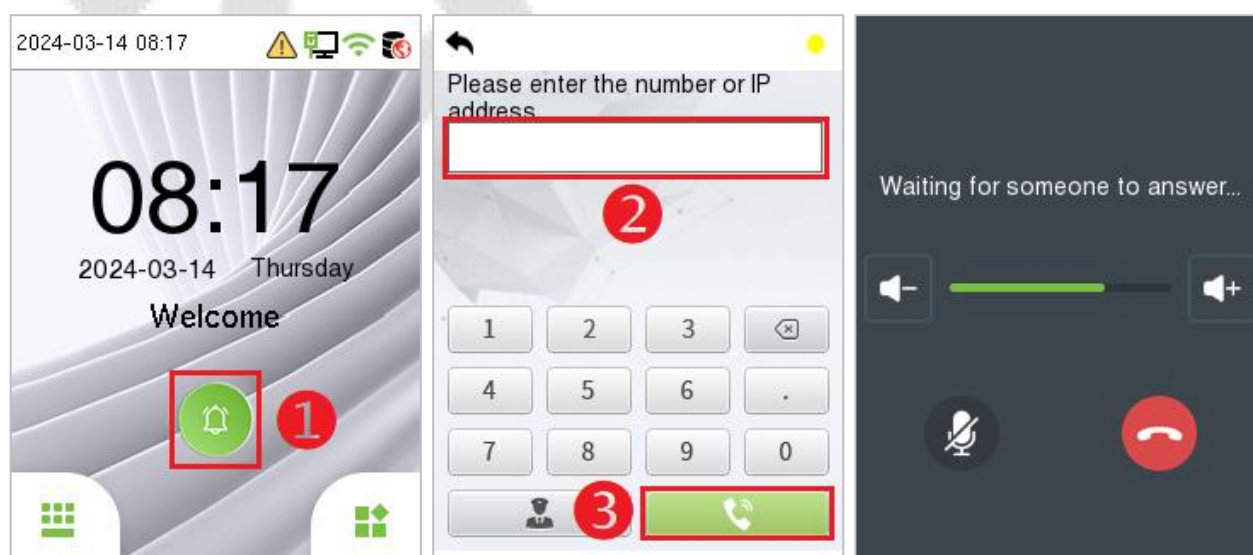
Note: To use Shortcut and Direct Calling Mode, turn off the SIP Server. When the SIP Server is disabled and the LAN is used, the UDP mode is selected first.

Set the IP address on the indoor station, Tap **Menu** > **Advanced** > **Network** > **1. Network** > **1. IPv4**.



● Directly Enter the IP Address of the Indoor Station

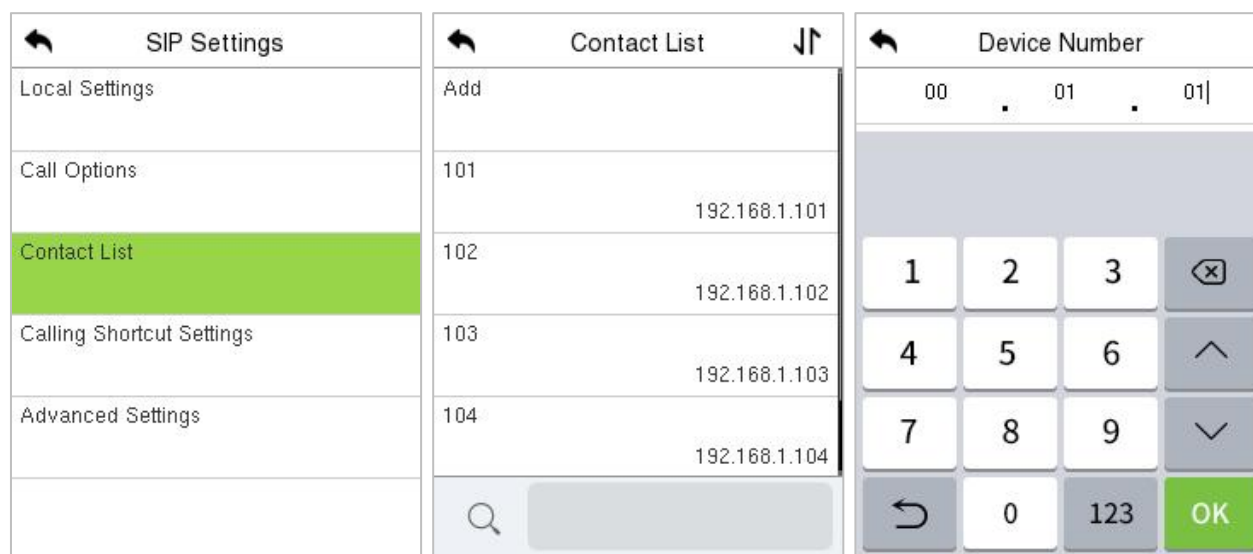
Once the indoor station is configured with the network, the video intercom function can be realized by tap the icon  on the SenseFace 3 Series device screen and entering the IP address of the indoor station in the jumping interface.



● Contact List

Note: When the SIP server is enabled, the Contact List are not displayed.

1. Tap **SIP Settings > Contact List** on the **Video intercom Parameters** interface.



2. Click **Add**, input device number and call address to add a new contact member.

Note: Call address and the SenseFace 3 Series device must be in the same network segment.

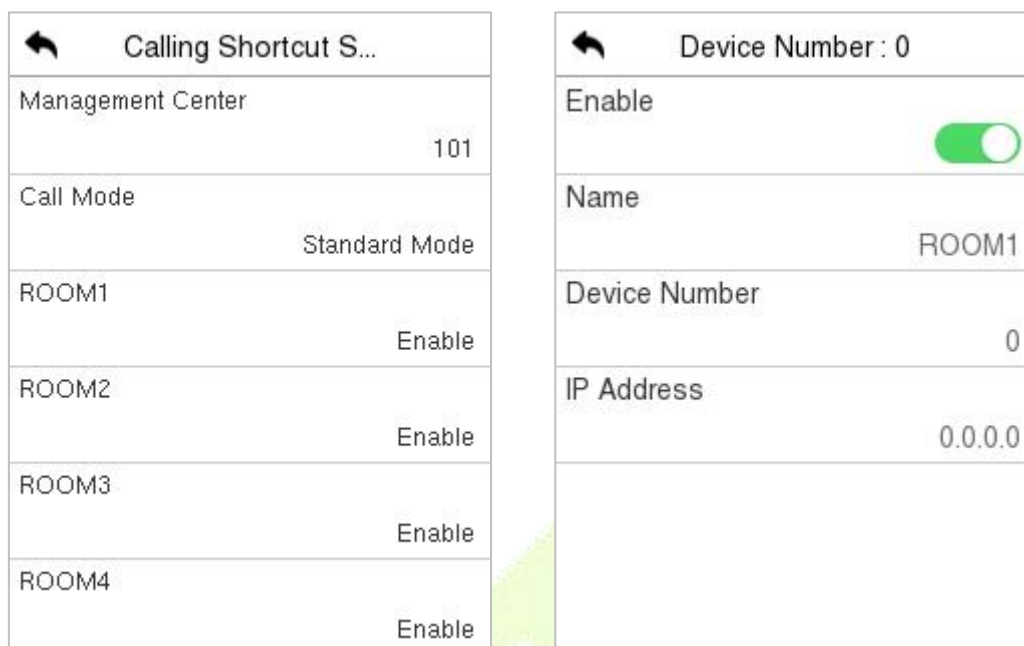
The image shows a screenshot of the 'Add' form. It has a title bar with a back arrow and the word 'Add'. Below the title bar are two input fields: 'Device Number' and 'Call Address'. The 'Device Number' field is currently empty, and the 'Call Address' field is also empty. There is a large green arrow pointing upwards from the bottom left towards the 'Add' button area.

Function Description

Function Name	Description
Device Number	It is the dialing number in the configuration data, you can enter the value on SenseFace 3 Series device to call the indoor station quickly for video intercom. (For example, 101 corresponds to 00.01.01 in the Device Number setting.)
Call Address	The IP address on the indoor station.

9.1.3 Calling Shortcut Settings

1. On SenseFace 3 Series device, tap **Calling Shortcut Settings**, select any item except admin, and enter the form information you just uploaded.



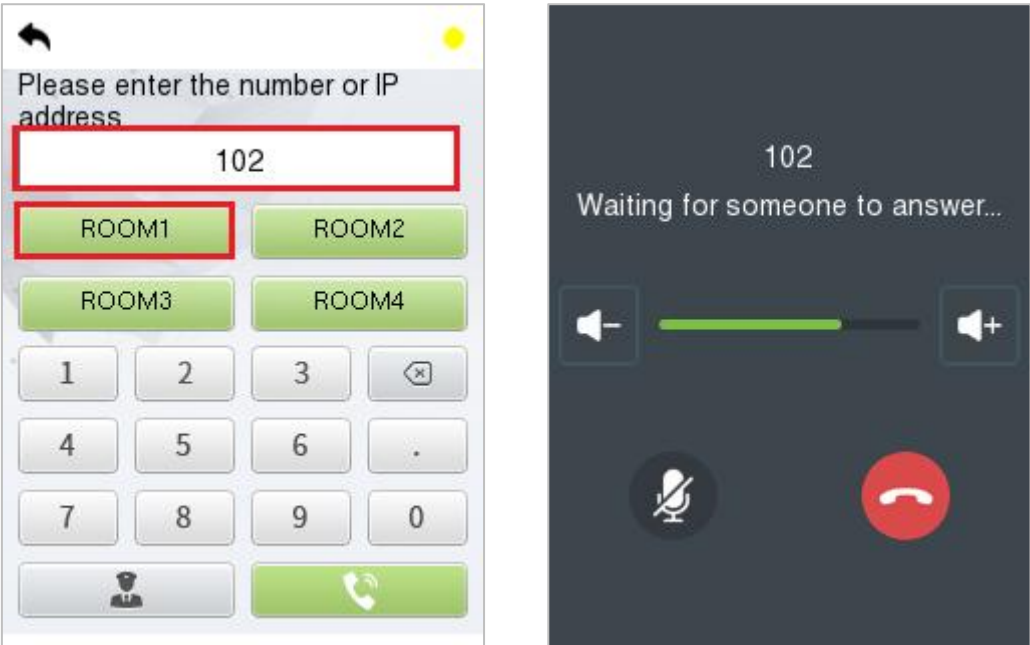
Calling Shortcut S...	
Management Center	101
Call Mode	Standard Mode
ROOM1	Enable
ROOM2	Enable
ROOM3	Enable
ROOM4	Enable

Device Number : 0	
Enable	☒
Name	ROOM1
Device Number	0
IP Address	0.0.0.0

Function Description

Function Name	Description
Name	You can customize any character (support Chinese, English, numbers, symbols, etc.) that will be displayed on the call page.
Device Number	It is the dialing number in the configuration data, you can enter the value on SenseFace 3 Series device to call the indoor station quickly for video intercom.
IP Address	Enter the device number set in the Contact List , then automatically match the IP address.

2. Then you can enter the device number or click shortcut key in the call screen to directly implement the video intercom.

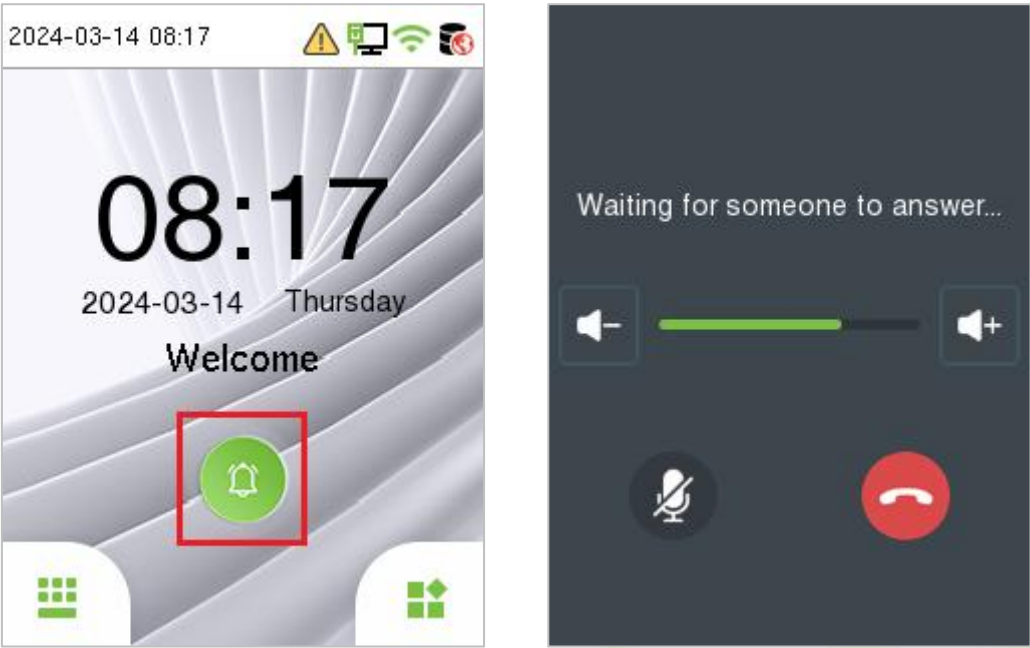


9.1.4 Direct Calling Mode

1. On the **SIP Settings** interface, click on **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.

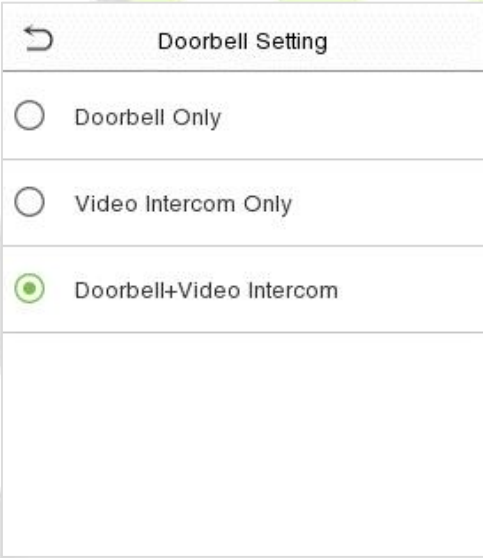
← SIP Settings Local Settings Call Options Contact List Calling Shortcut Settings Advanced Settings	← Calling Shortcut S... Management Center 101 Call Mode Standard Mode ROOM1 Enable ROOM2 Enable ROOM3 Enable ROOM4 Enable	← Calling Shortcut S... ☒ Standard Mode ☐ Direct Calling Mode
--	---	--

2. Then you can tap the  icon on the device to call the indoor stations at the same time.



9.2 Doorbell Setting

Tap **Doorbell Setting** on the **Video intercom Parameters** interface to go to the monitoring doorbell setting.



Function Description

Function Name	Description
Doorbell Only	Tap  or  icon on standby interface, the doorbell ring.
Video Intercom Only	Tap  or  icon on standby interface, calling indoor unit for video intercom.
Doorbell + Video Intercom	Tap  or  icon on standby interface, the doorbell ring and calling indoor unit for video intercom.

9.2.1 Connect the Wireless Doorbell★

Note: This function needs to be used with the wireless doorbell.

1. 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 SenseFace 3 Series device icon , if the wireless doorbell rings and the indicator flashes, it means the connection is successful.



2. After a successful pairing, clicking the icon  of SenseFace 3 Series device will ring the wireless doorbell.

Note: Generally, each SenseFace 3 Series device connects to wireless doorbell.

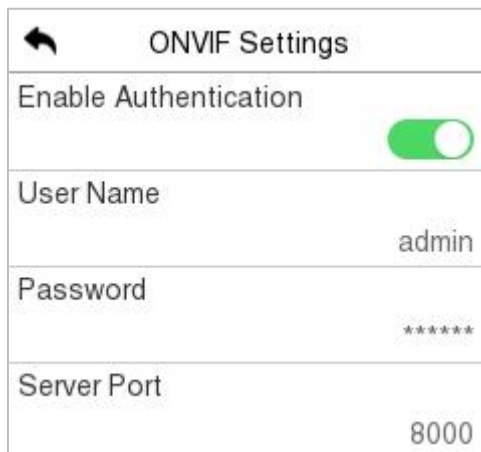
● Unbinding the Wireless Doorbell

Power off the wireless doorbell first, then re-installing the batteries while pressing and holding the music button  until the indicator is on, indicating that the unbinding is successful.

9.3 ONVIF Settings

Note: 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. Tap **ONVIF Settings** on the **Video intercom Parameters** interface.

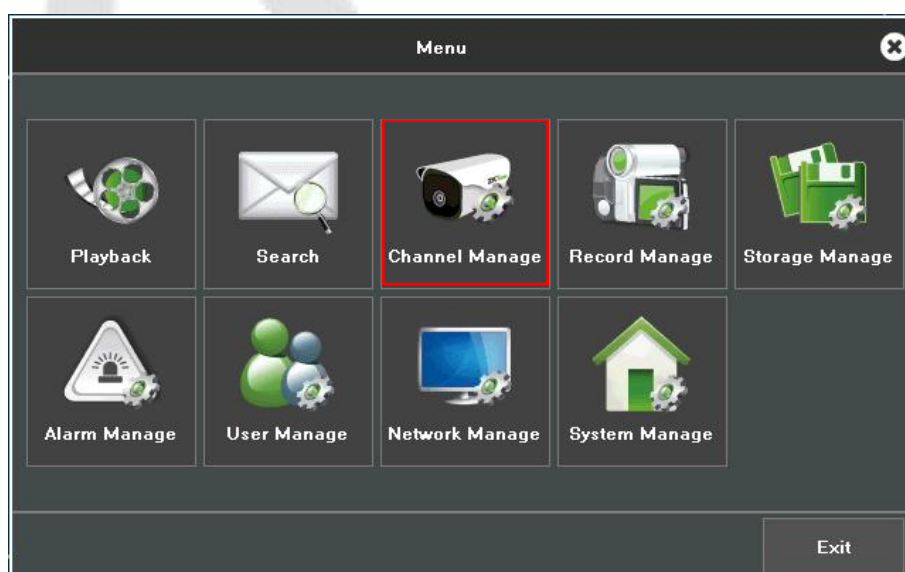


ONVIF Settings	
Enable Authentication	☒
User Name	admin
Password	*****
Server Port	8000

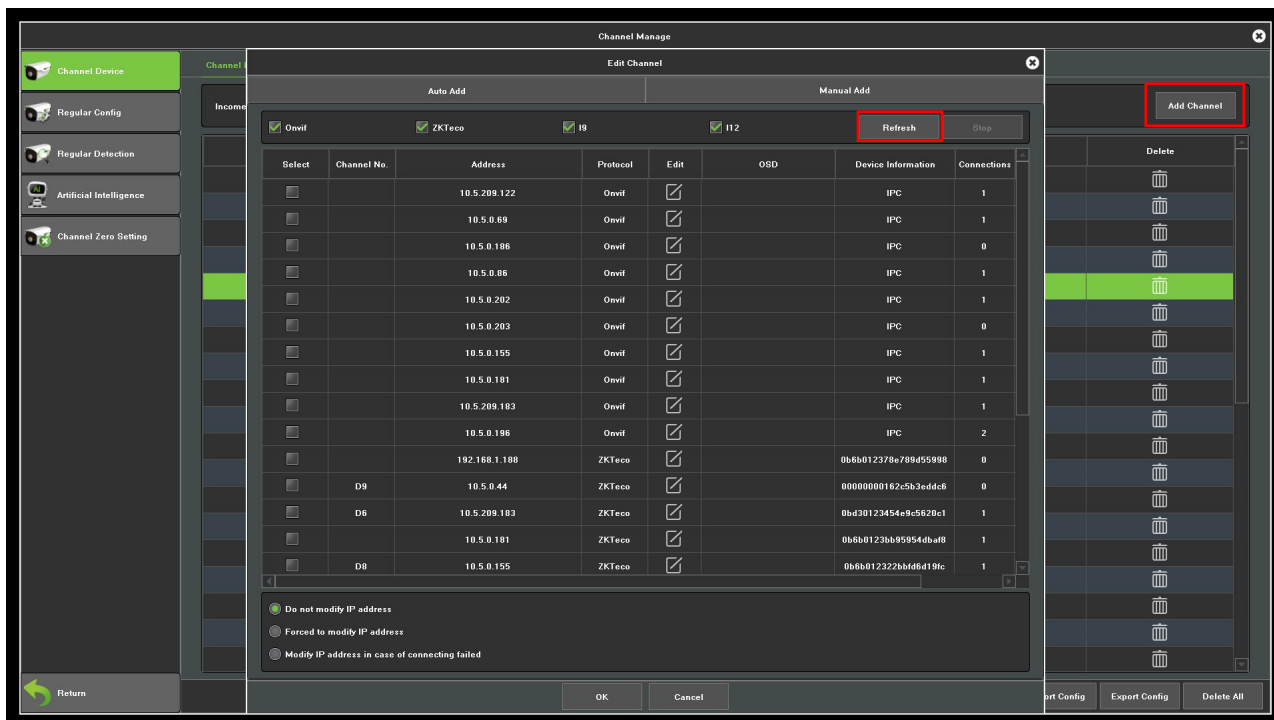
Function Description

Function Name	Description
Enable Authentication	Enable/Disable the Authentication Function. When it is disabled, there is no need to input the User Name and Password when adding the device to the NVR.
User Name	Set the User Name. The default is admin.
Password	Set the password. The default is admin.
Server Port	The default is 8000, and cannot be modified.

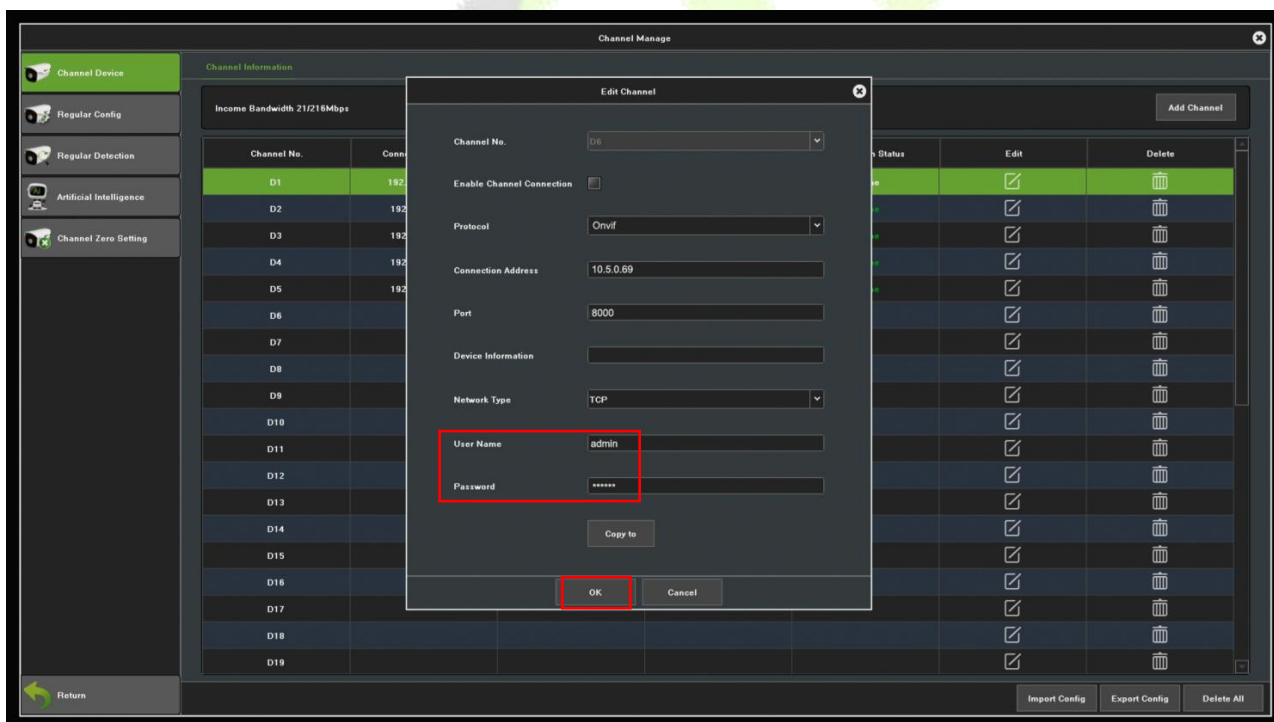
3. On the NVR system, click on **[Start]** > **[Menu]**, then the main menu will pop up.



4. Click [**Channel Manage**] > [**Add Channel**] > [**Refresh**] to search for the device.

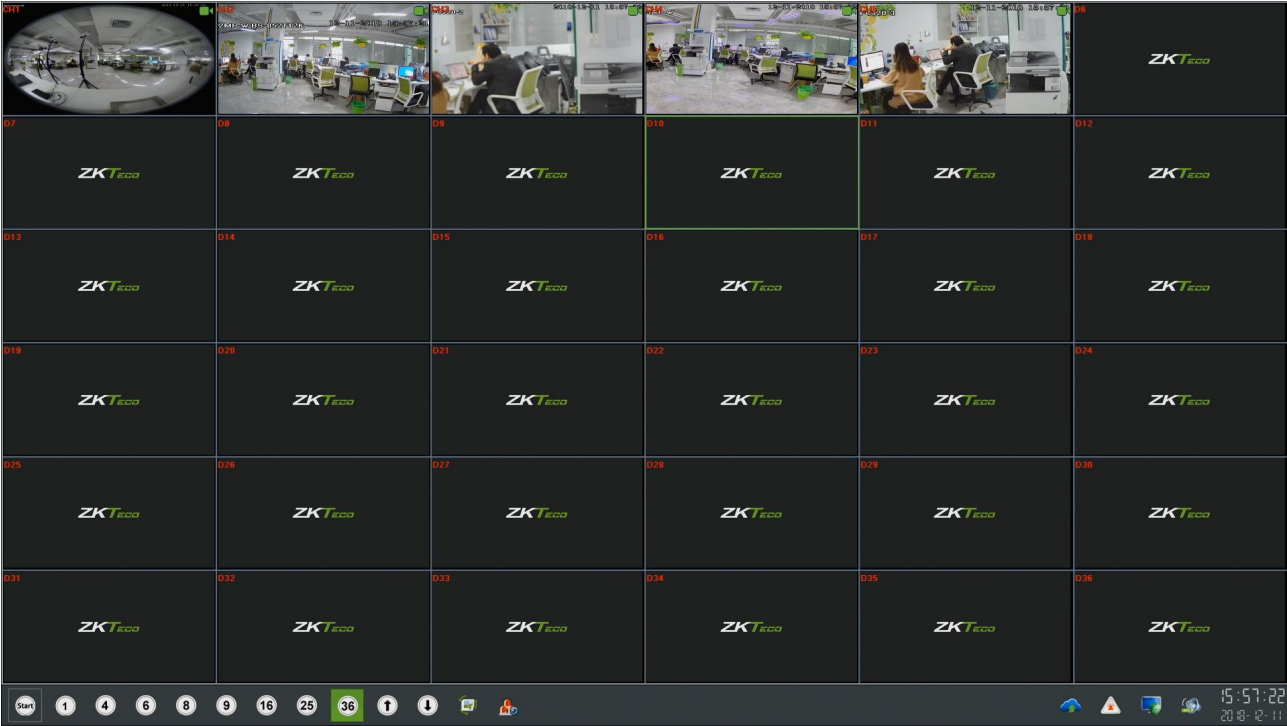


5. Select the checkbox for the device you want to add and edit the parameters in the corresponding text field, then click on [**OK**] to add it to the connection list.



Note: The User Name and Password is set in the **ONVIF Settings** of the device.

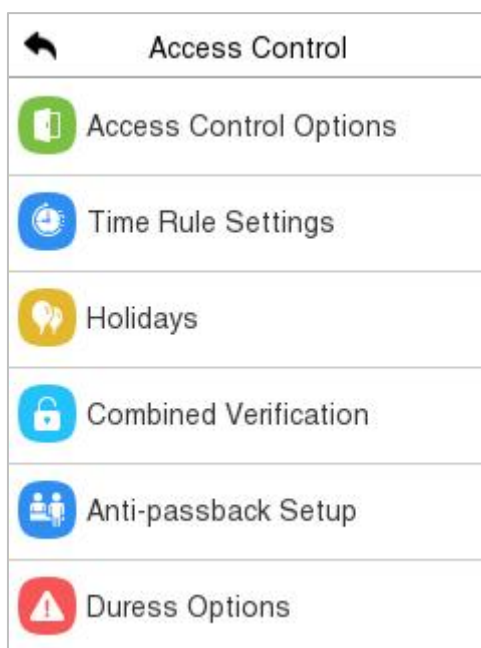
6. After adding successfully, the video image obtaining from the device can be viewed in real-time.



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

10 Access Control

On the **Main Menu**, tap **Access Control** to set the schedule of door opening, locks control and to configure other parameters settings related to access control.



- **To gain access, the registered user must meet the following conditions:**
 - The relevant door's current unlock time should be within any valid time zone of the user time period.
 - The corresponding user's group must be already set in the door unlock combination (and if there are other groups, being set in the same access combo, then the verification of those group's members are also required to unlock the door).
 - In default settings, new users are allocated into the first group with the default group time zone, where the access combo is "1" and is set in unlock state by default.

10.1 Access Control Options

Tap **Access Control Options** on the **Access Control** interface to set the parameters of the control lock of the terminal and related equipment.

← Access Control Op... →

Gate Control Mode ☐

Door Lock Delay(s) 5

Door Sensor Delay(s) 10

Door Sensor Type Normal Close(NC)

Verification Mode Password/Fingerprint/Card/Face

Door Available Time Period 1

← Access Control Op... →

Normal Open Time Period None

Master Device In

Slave Device Out

Verify Mode by RS485 Card Only

Speaker Alarm ☐

Reset Access Settings

Function Description

Function Name	Description
Gate Control Mode	Toggle between ON or OFF switch to get into gate control mode or not. When set to ON , on this interface will remove Door lock relay, Door sensor relay and Door sensor type options.
Door Lock Delay (s)	The length of time that the device controls the electric lock to be in unlock state. Valid value: 1~10 seconds; 0 second represents disabling the function.
Door Sensor Delay (s)	If the door is not locked and is being left open for a certain duration (Door Sensor Delay), an alarm will be triggered. The valid value of Door Sensor Delay ranges from 1 to 255 seconds.
Door Sensor Type	There are three Sensor types: None , Normal Open and Normal Closed . None : It means door sensor is not in use. Normal Open : It means the door is always left opened when electric power is on. Normal Closed : It means the door is always left closed when electric power is on.
Verification Mode	The supported verification mode includes Password/Fingerprint/Card/Face, Fingerprint Only, User ID Only, Password, Card Only, Fingerprint/Password, Fingerprint/Card, User ID + Fingerprint, Fingerprint + Password, Fingerprint + Card, Fingerprint + Password + Card, Password + Card, Password/Card, User ID + Fingerprint + Password, Fingerprint + (Card/User ID), Face Only, Face + Fingerprint, Face + Password, Face + Card, Face + Fingerprint+ Card, and Face + Fingerprint + Password.
Door Available Time Period	To set time period for door, so that the door is available only during that period.

Normal Open Time Period	Scheduled time period for "Normal Open" mode, so that the door is always left open during this period.
Master Device	When setting up the master, the status of the master can be set to exit on enter. Out: The record verified on the host is the exit record. In: The record verified on the host is the entry record.
Slave Device	When setting up the slave, the status of the slave can be set to exit on enter. Out: The record verified on the host is the exit record. In: The record verified on the host is the entry record.
Verify Mode by RS485	The verification mode is used when the device is used either as a host or slave. The supported verification mode includes Card Only and Card + Password.
Speaker Alarm	Transmits a sound alarm or disassembly alarm from the local. When the door is closed or the verification is successful, the system will cancel the alarm from the local.
Reset Access Settings	The access control reset parameters include door lock delay, door sensor delay, door sensor type, verification mode, door available time period, normal open time period, master device, and alarm. However, erased access control data in Data Mgt. is excluded.

10.2 Time Rule Setting

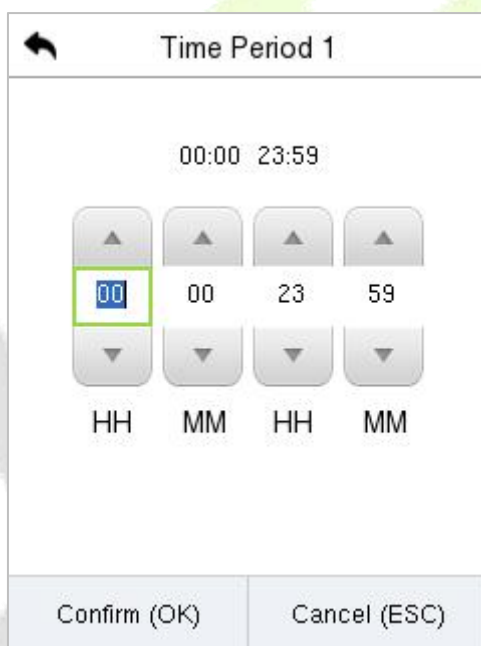
Tap **Time Rule Setting** on the Access Control interface to configure the time settings.

- The entire system can define up to 50 Time Periods.
- Each Time Period represents **10** Time Zones, i.e. **1** week and **3** holidays, and each time zone is a standard 24 hour period per day and the user can only verify within the valid time period.
- One can set a maximum of 3 time periods for every time zone. The relationship among these time periods is "**OR**". Thus, when the verification time falls in any one of these time periods, the verification is valid.
- The Time Zone format of each Time Period: HH MM-HH MM, which is accurate to minutes according to the 24-hour clock.

Tap the grey box to search the required Time Zone and specify the required Time Zone number (maximum: up to 50 zones).



On the selected Time Zone number interface, tap on the required day (that is Monday, Tuesday etc.) to set the time.



Specify the start and the end time, and then tap **OK**.

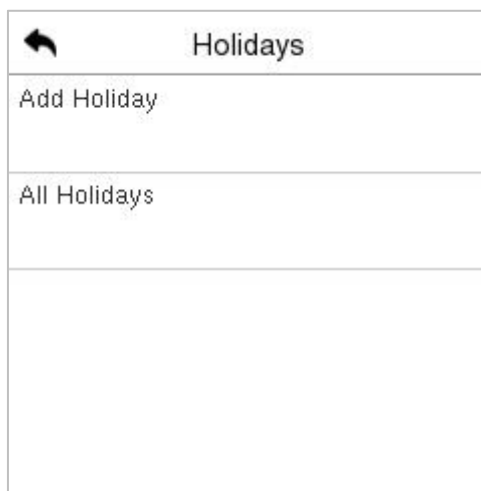
Notes:

- When the End Time is earlier than the Start Time, (such as 23:57~23:56), it indicates that access is prohibited all day.
- When the End Time is later than the Start Time, (such as 00:00~23:59), it indicates that the interval is valid.
- The effective Time Period to keep the Door Unlock or open all day is (00:00~23:59) or also when the Ending Time is later than the Starting Time, (such as 08:00~23:59).
- The default Time Zone 1 indicates that door is open all day long.

10.3 Holidays

Whenever there is a holiday, you may need a special access time; but changing everyone's access time one by one is extremely cumbersome, so you can set a holiday access time which is applicable to all employees, and the user will be able to open the door during the holidays.

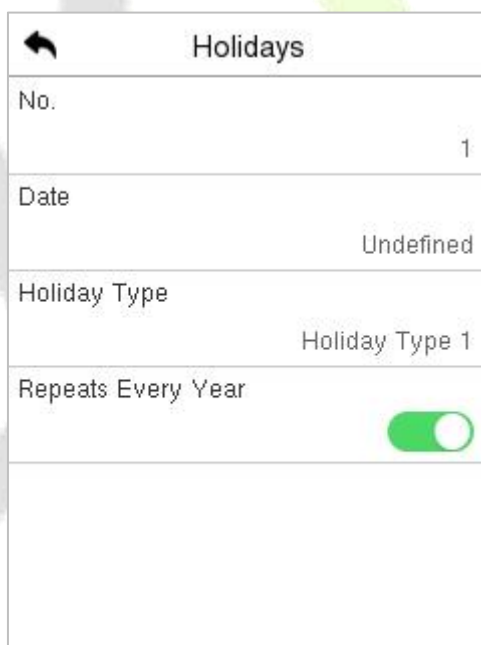
Tap **Holidays** on the **Access Control** interface to set the Holiday access.



Holidays	
Add Holiday	
All Holidays	

- **Add a new holiday:**

Tap **Add Holiday** on the **Holidays** interface and set the holiday parameters.



Holidays	
No.	1
Date	Undefined
Holiday Type	Holiday Type 1
Repeats Every Year	☒

- **Edit a holiday:**

On the **Holidays** interface, select a holiday item to be modified. Tap **Edit** to modify holiday parameters.

- **Delete a Holiday:**

On the **Holidays** interface, select a holiday item to be deleted and tap **Delete**. Press **OK** to confirm deletion. After deletion, this holiday is no longer displayed on **All Holidays** interface.

10.4 Combined Verification

Access groups are arranged into different door-unlocking combinations to achieve multiple verifications and strengthen the security. In a door-unlocking combination, the range of the combined number N is: $0 \leq N \leq 5$, and the number of members N may all belong to one access group or may belong to five different access groups.

Tap **Combined Verification** on the **Access Control** interface to configure the combined verification setting.

Combination	Value
1	01 00 00 00 00
2	00 00 00 00 00
3	00 00 00 00 00
4	00 00 00 00 00
5	00 00 00 00 00

On the combined verification interface, tap the Door-unlock combination to be set, and tap the **up** and **down** arrows to input the combination number, and then press **OK**.

For Example:

- The **Door-unlock combination 1** is set as **(01 03 05 06 08)**, indicating that the unlock combination 1 consists of 5 people, and the 5 individuals are from 5 groups, namely, **Access Control Group 1** (AC group 1), AC group 3, AC group 5, AC group 6, and AC group 8, respectively.
- The **Door-unlock combination 2** is set as **(02 02 04 04 07)**, indicating that the unlock combination 2 consists of 5 people; the first two are from AC group 2, the next two are from AC group 4, and the last person is from AC group 7.
- The **Door-unlock combination 3** is set as **(09 09 09 09 09)**, indicating that there are 5 people in this combination; all of which are from AC group 9.
- The **Door-unlock combination 4** is set as **(03 05 08 00 00)**, indicating that the unlock combination 4 consists of only three people. The first person is from AC group 3, the second person is from AC group 5, and the third person is from AC group 8.

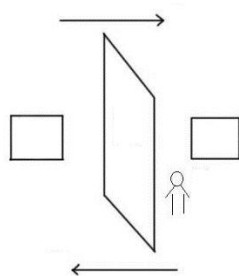
● Delete a Door-unlocking Combination:

Set all Door-unlock combinations to 0 if you want to delete door-unlock combinations.

10.5 Anti-passback Setup

It is possible that users may be followed by some persons to enter the door without verification, resulting in a security breach. So, to avoid such a situation, the Anti-Passback option was developed. Once it is enabled, the check-in record must match with the check-out record so as to open the door.

This function requires two devices to work together: one is installed inside the door (master device), and the other one is installed outside the door (slave device). The two devices communicate via the Wiegand signal. The Wiegand format and Output type (User ID / Card Number) adopted by the master device and slave device must be consistent.



Tap **Anti-passback Setup** on the **Access Control** interface.

Function Description

Function Name	Description
Anti-passback Direction	No Anti-passback: Anti-passback function is disabled, which means successful verification through either the master device or slave device can unlock the door. The attendance state is not saved in this option. Out Anti-passback: After a user checks out, only if the last record is a check-in record, the user can check-out again; otherwise, the alarm will be triggered. However, the user can check-in freely. In Anti-passback: After a user checks in, only if the last record is a check-out record, the user can check-in again; otherwise, the alarm will be triggered. However, the user can check-out freely. In/Out Anti-passback: After a user checks in/out, only if the last record is a check-out record, the user can check-in again; or if it is a check-in record, the user can check-out again; otherwise, the alarm will be triggered.

10.6 Duress Options

Once a user activates the duress verification function with specific authentication method(s), and when he/she is under coercion and authenticates using duress verification, the device will unlock the door as usual, but at the same time, a signal will be sent to trigger the alarm.

On **Access Control** interface, tap **Duress Options** to configure the duress settings.

Duress Options	
Alarm on Password	☐
Alarm on 1:1 Match	☐
Alarm on 1:N Match	☐
Alarm Delay(s)	10
Duress Password	None

Function Description

Function Name	Description
Alarm on Password	When a user uses the password verification method, an alarm signal will be generated, otherwise there will be no alarm signal.
Alarm on 1:1 Match	When a user uses any fingerprint to perform the 1:1 verification, an alarm signal will be generated, otherwise there will be no alarm signal.
Alarm on 1:N Match	When a user uses any fingerprint to perform 1:N verification, an alarm signal will be generated, otherwise there will be no alarm signal.
Alarm Delay(s)	Alarm signal will not be transmitted until the alarm delay time is elapsed. The value ranges from 1 to 999 seconds.
Duress Password	Set the 6-digit duress password. When the user enters this duress password for verification, an alarm signal will be generated.

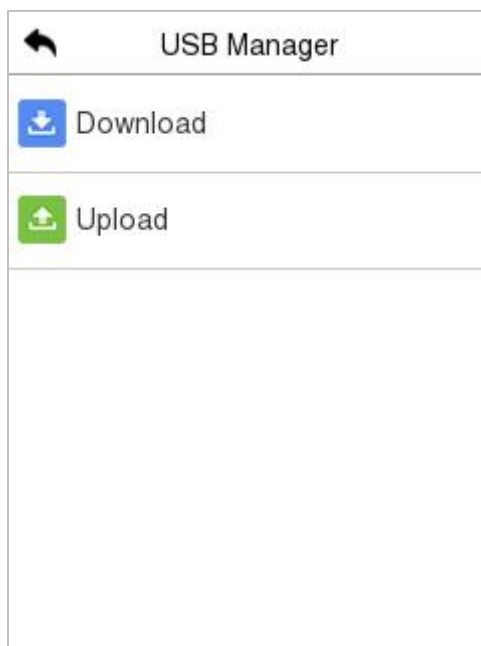
11 USB Manager

You can import the user information, and attendance data in the machine to matching attendance software for processing by using a USB disk, or import the user information to other devices for backup.

Before uploading/downloading data from/to the USB disk, insert the USB disk into the USB slot first.

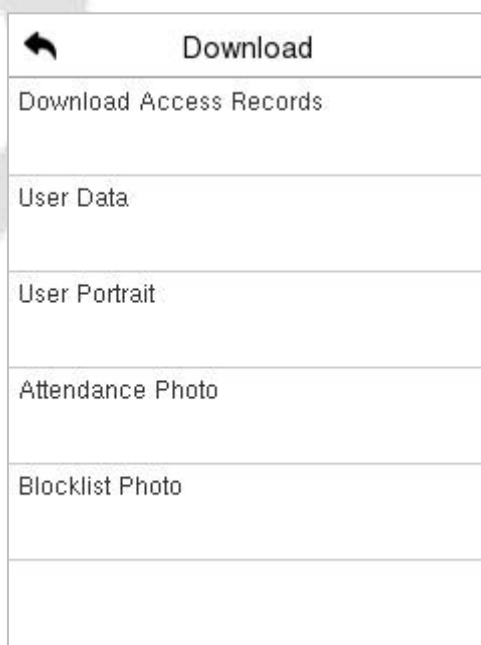
Note: Only FAT32 format is supported when downloading data using USB disk.

Tap **USB Manager** on the main menu interface.



11.1 USB Download

On the **USB Manager** interface, tap **Download**.

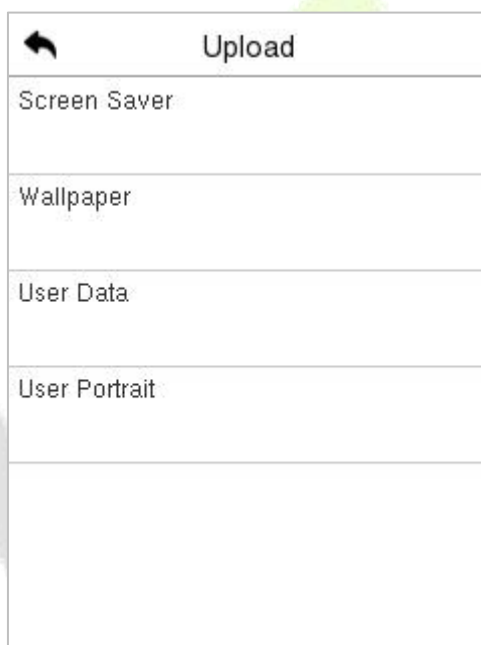


Function Description

Function Name	Description
Download Access Records	To download all access records in specified time period into USB disk.
User Data	To download all user information from the device into USB disk.
User Portrait	To download all user portraits from the device into USB disk.
Attendance Photo	To download all attendance photos from the device into USB disk.
Blocklist Photo	To download all blocklisted photos (photos taken after failed verifications) from the device into USB disk.

11.2 USB Upload

On the **USB Manager** interface, tap **Download**.



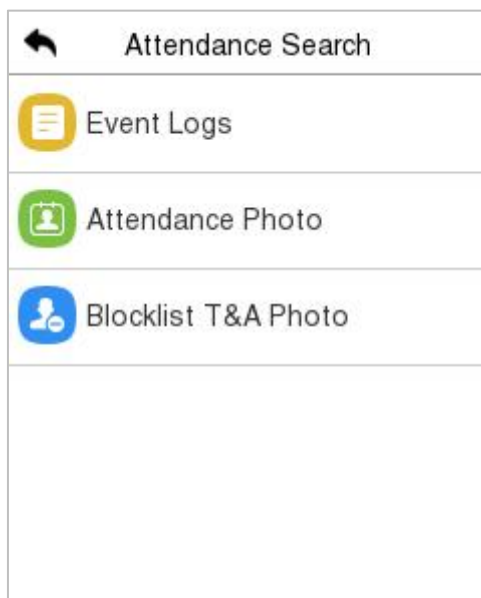
Function Description

Function Name	Description
Screen Saver	To upload all screen savers from USB disk into the device. You can choose Upload selected photo or upload all photos. The images will be displayed on the device's main interface after upload.
Wallpaper	To upload all wallpapers from USB disk into the device. You can choose Upload selected photo or upload all photos. The images will be displayed on the screen after upload.
User Data	To upload all the user information from USB disk into the device.
User Portrait	To upload all user portraits from USB disk into the device.

12 Attendance Search

Once the identity of a user is verified, the Event Logs will be saved in the device. This function enables users to check their access records.

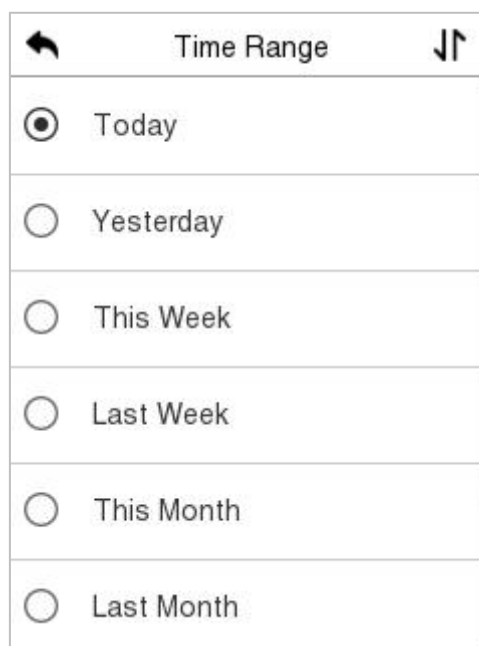
Click **Attendance Search** on the **Main Menu** interface to search for the required Access/Attendance log.



The process of searching for attendance and blocklist photos is similar to that of searching for event logs. The following is an example of searching for event logs.

On the **Attendance Search** interface, tap **Event Logs** to search for the required record.

1. Enter the user ID to be searched and click OK. If you want to search for logs of all users, click OK without entering any user ID.
2. Select the time range in which the logs need to be searched.



3. Once the log search succeeds. Tap the login highlighted in green to view its details.

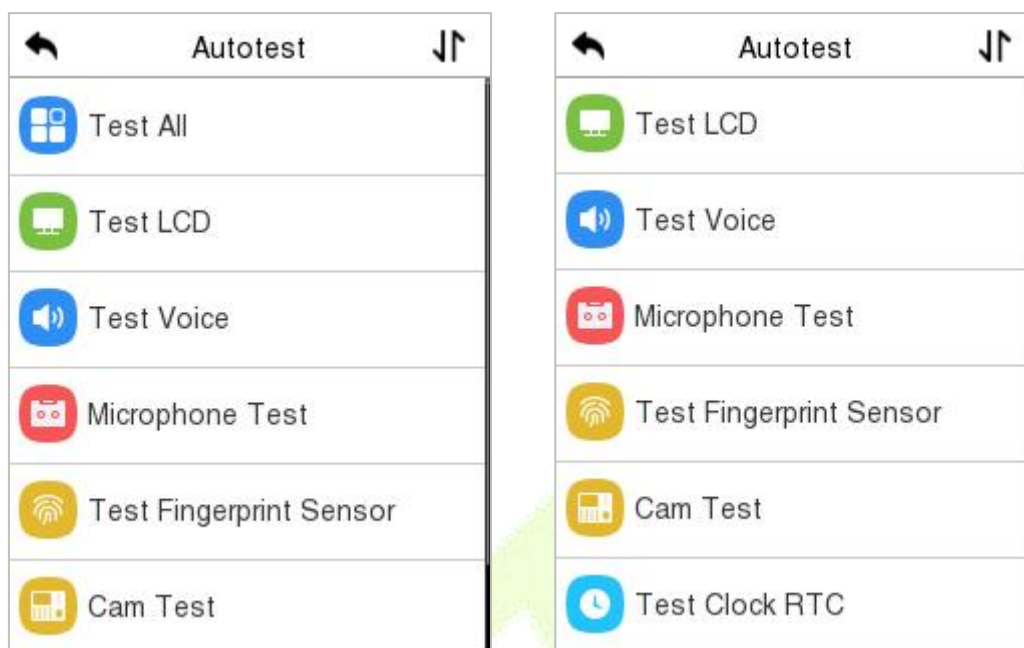
Personal Record S...		
Date	User ID	Time
03-16		Numb...:52
0		14:40 14:40
		08:15 08:15
		03:18 03:18
		03:18
2		10:36 10:36
		10:32 09:23
		09:23 09:23
		09:22 09:22
		09:22 09:22
		09:22 09:22
		09:22 09:22
		09:22 09:21

4. The below figure shows the details of the selected log.

Personal Record S...	
User ID	Time
0	03-16 14:40
0	03-16 08:15
0	03-16 08:15
0	03-16 03:18
0	03-16 03:18
0	03-16 03:18
Name :	
Status : Other	
Verification Mode : Other	

13 Autotest

On the **Main Menu**, tap **Autotest** to automatically test whether all modules in the device function properly, which include the LCD, Voice, Camera and Real-Time Clock (RTC).

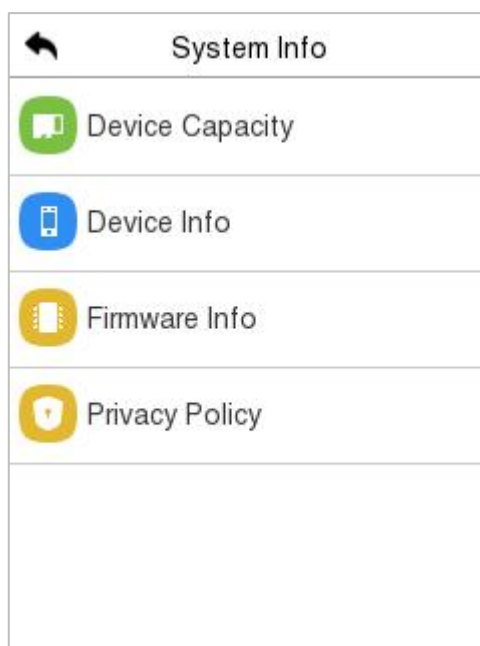


Function Description

Function Name	Description
Test All	To automatically test whether the LCD, Audio, Camera and RTC are normal.
Test LCD	To automatically test the display effect of LCD screen by displaying full-color, pure white, and pure black to check whether the screen displays colors normally.
Test Voice	To automatically test whether the audio files stored in the device are complete and the voice quality is good.
Microphone Test	Check whether the microphone is working by speaking to microphone and playing the microphone recording.
Test Fingerprint Sensor	To test the fingerprint sensor by pressing a finger on the scanner to check if the acquired fingerprint image is clear. When you are pressing a finger on the scanner, the fingerprint image will display on the screen.
Cam Test	To test if the camera functions properly by checking the photos taken to see if they are clear enough. Same as " Test Face ".
Test Clock RTC	To test the RTC. The device tests whether the clock works normally and accurately with a stopwatch. Tap the screen to start counting and press it again to stop counting.

14 System Information

On the **Main Menu**, tap **System Info** to view the storage status, the version information of the device, and firmware information.



Function Description

Function Name	Description
Device Capacity	Displays the current device's user storage, password, face template, fingerprint and card storage, access records, attendance and blocklist photos, and profile photos.
Device Info	Displays the device's name, serial number, MAC address, fingerprint algorithm★, face template algorithm, platform information, MCU Version and manufacture date.
Firmware Info	Displays the firmware version and other version information of the device.
Privacy Policy	The privacy policy control will appear when the gadget turns on for the first time. After clicking "I have read it," the customer can use the product regularly. Click System Info > Privacy Policy to view the content of the privacy policy. The privacy policy's content does not allow for U disc export. Note: The current privacy policy's text is only available in Simplified Chinese/ English. However, translation of other multi-language content is underway, with more iterations.

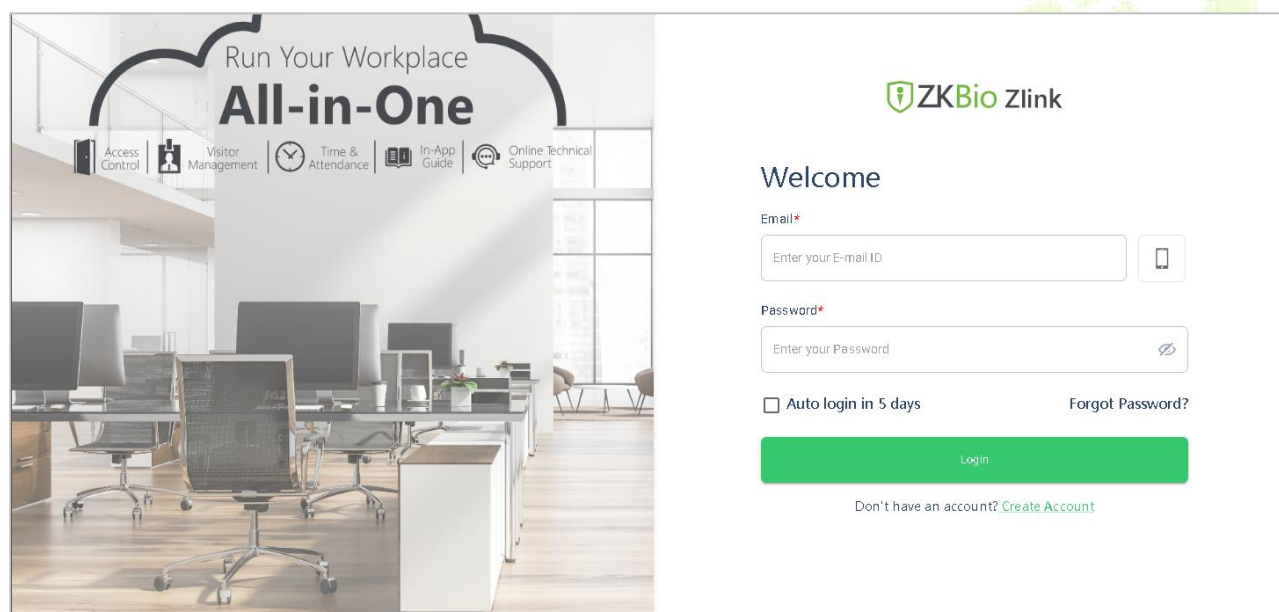
15 Connecting to ZKBio Zlink Web

Change the device communication protocol to BEST protocol, then the device can be managed by ZKBio Zlink, please refer to [6.5 Device Type Setting](#).

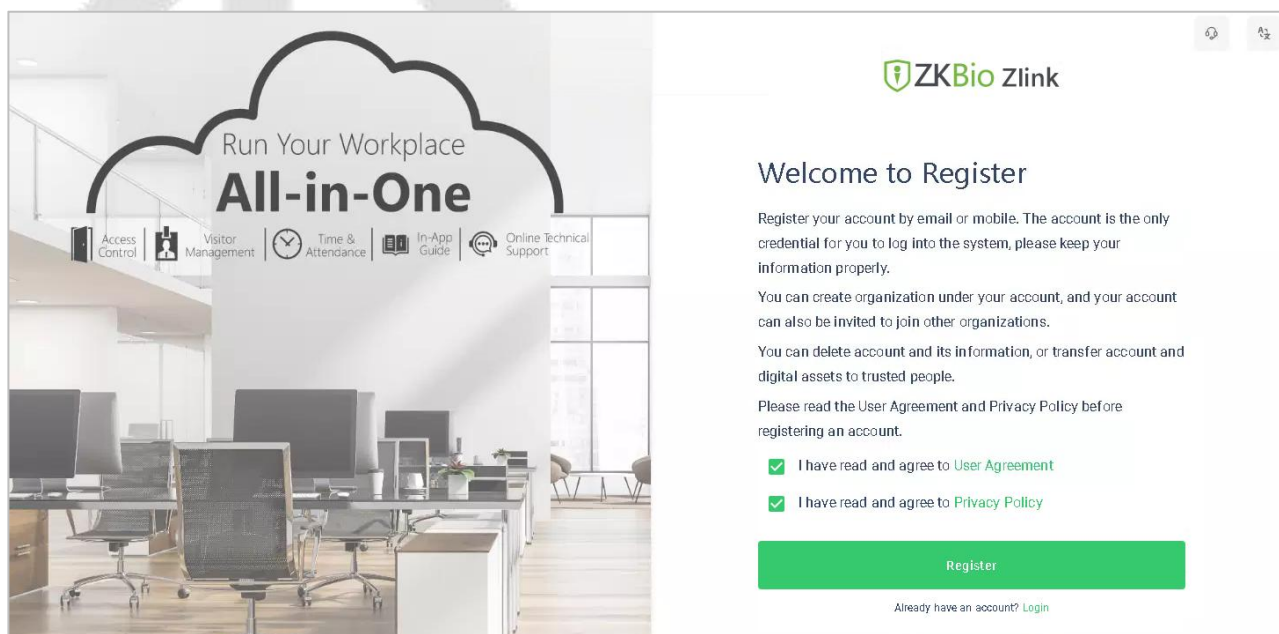
Users can use the created account to access ZKBio Zlink Web to connect devices, add new personnel, register the verification method of registered personnel, synchronize personnel to devices and query records.

15.1 Register Account

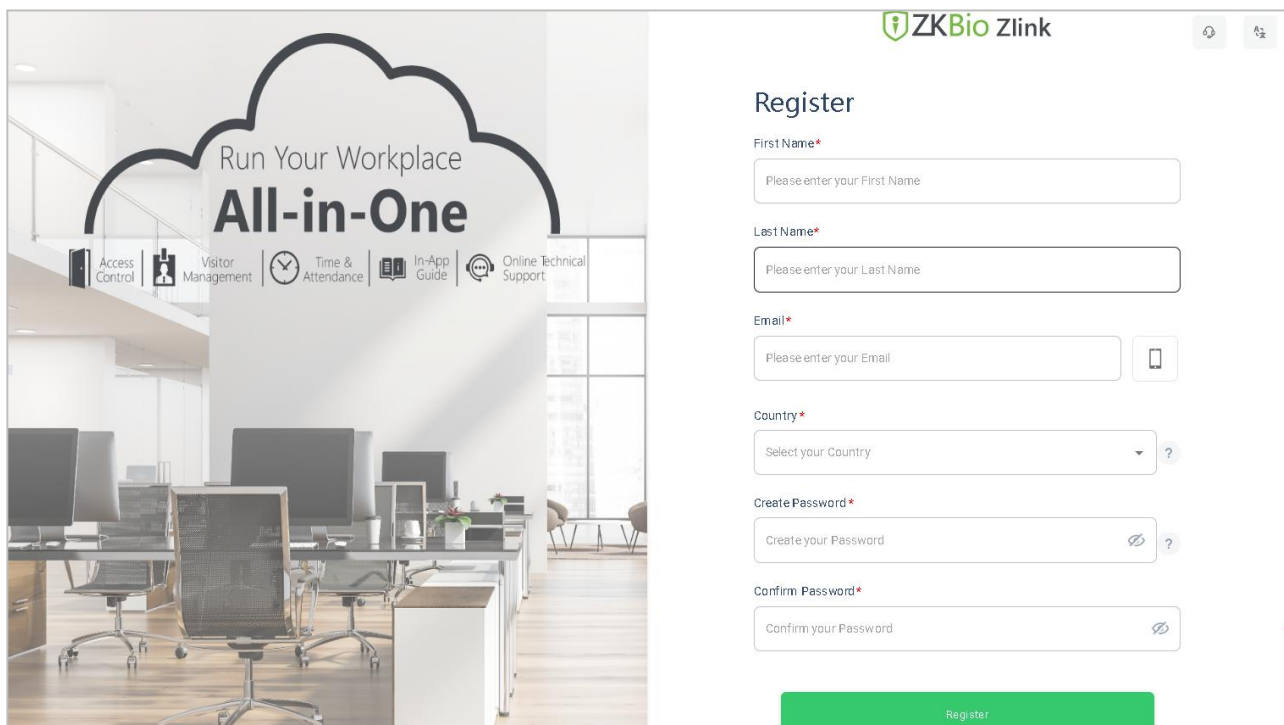
1. Access the ZKBio Zlink website (<http://zlink.minervaiot.com>).
2. If you do not have an account, please click **create account** to add a new account.



3. Read and agree to User Agreement and Privacy Policy, then click **Register**.



4. Enter user's information and set password, then click **Register**.



ZKBio Zlink

Register

First Name*
Please enter your First Name

Last Name*
Please enter your Last Name

Email*
Please enter your Email

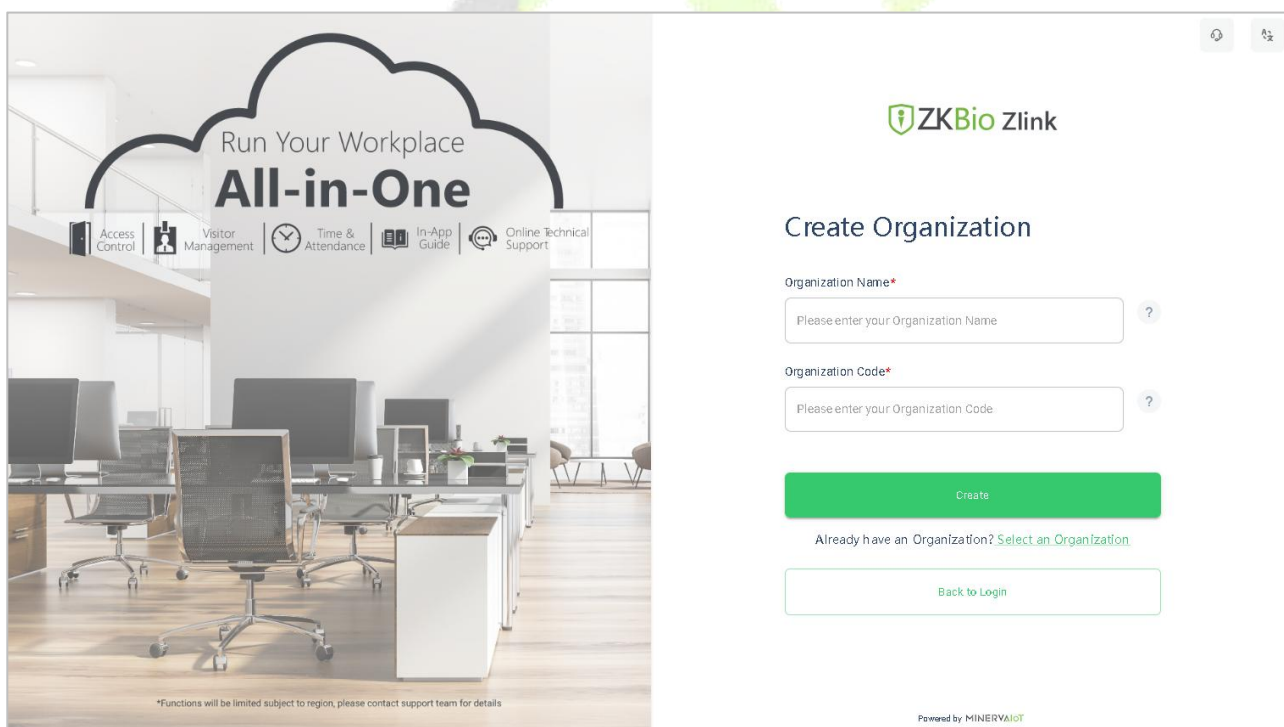
Country*
Select your Country

Create Password*
Create your Password

Confirm Password*
Confirm your Password

Register

5. Set the organization's name and Organization code, click **Create**, then complete registration. If you do have an organization, please click **Select an Organization**.



ZKBio Zlink

Create Organization

Organization Name*
Please enter your Organization Name

Organization Code*
Please enter your Organization Code

Create

Already have an Organization? [Select an Organization](#)

[Back to Login](#)

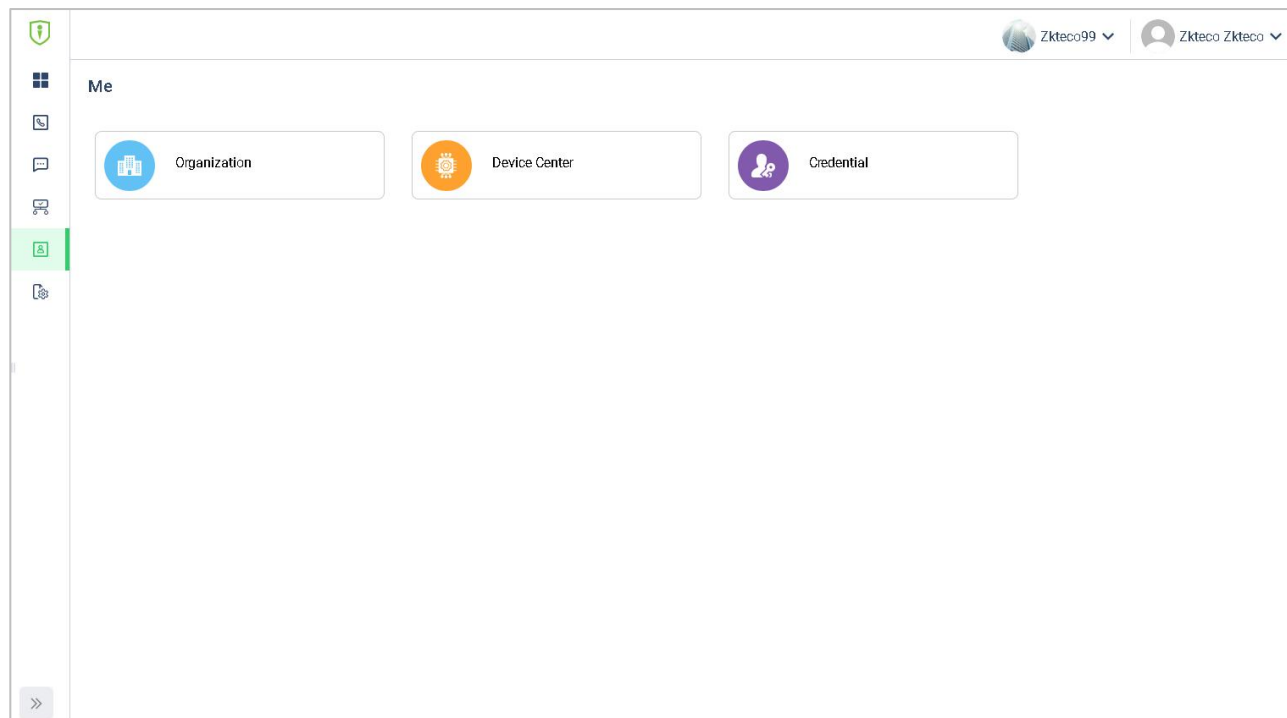
*Functions will be limited subject to region, please contact support team for details

Powered by MINERVA10T

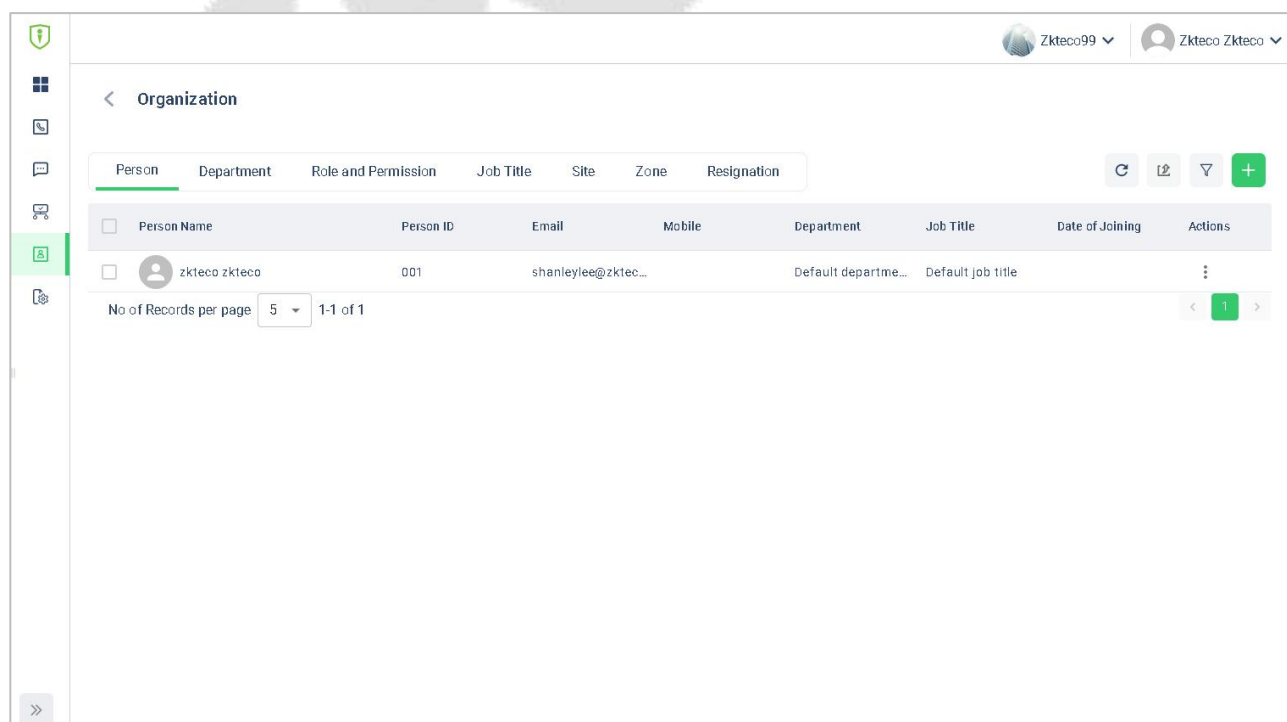
15.2 Add Device

15.2.1 Set Organization (Add Person)

1. Click **Me > Organization** on the main menu.



2. Click **Add** icon  to add a new person (Repeat adding the department, role and permission, job title, site list, and zone list).



- Enter the person's details and click **Save** (Repeat adding the department, role and permission, job title, site list, and zone list).

Add Person Details

Allowed only *JPEG, *JPG, *PNG
Maximum size of 3 MB

First Name*
Enter your First Name

Last Name*
Enter your Last Name

Person ID*
Enter your Person ID

Email*
Enter your Email

Mobile*
Country Code Enter your Mobile Number

Role and Permission
Role and Permission

Department
Select your Department

Job Title
Select your Job Title

Date of Joining
DD-MM-YYYY (Please select Date)

Date of Birth
DD-MM-YYYY (Please select Date)

Gender
Select your Gender

Country*
Select your Country

Province/State
Enter your Province/State

City*
Enter your City

Address Line 1*
Enter your Address

Address Line 2
Enter your Address

15.2.2 Add Device

- Tap **COMM. > Ethernet** in the main menu on the device to set the IP address and gateway of the device.

Ethernet

Display in Status Bar ☒

IPv4

IP Address 192.168.163.199

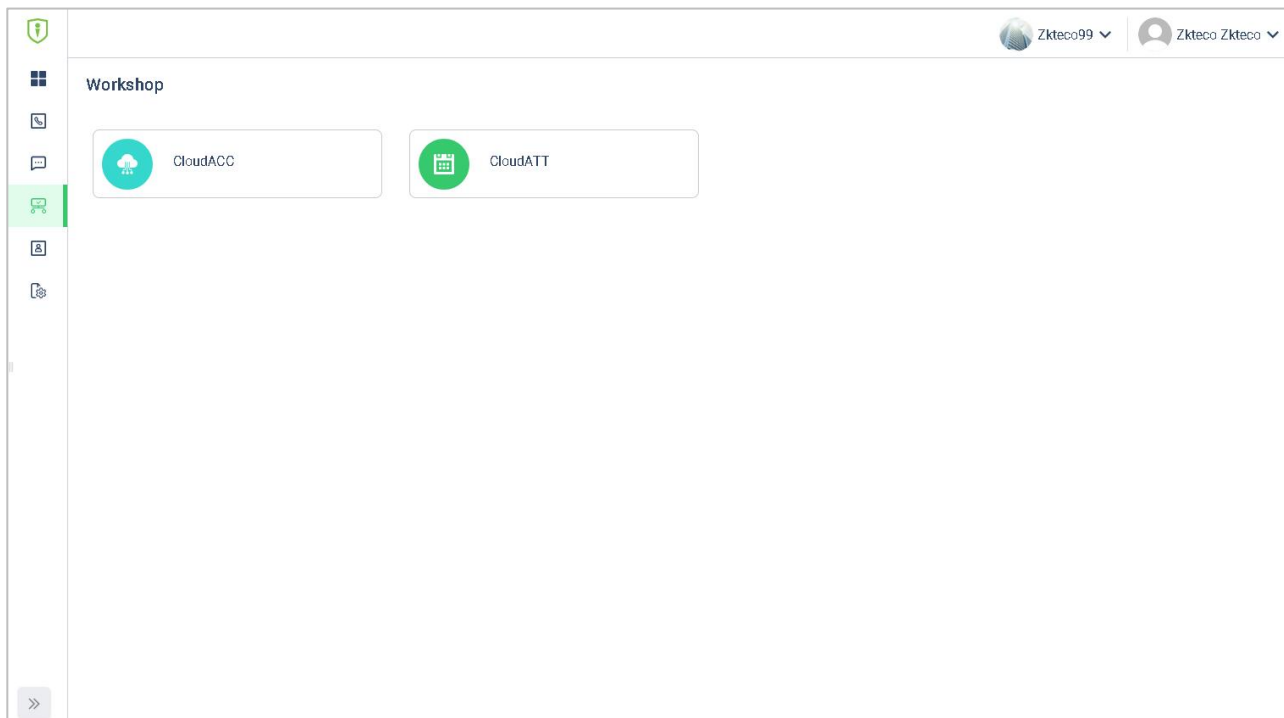
Subnet Mask 255.255.255.0

Gateway 192.168.163.1

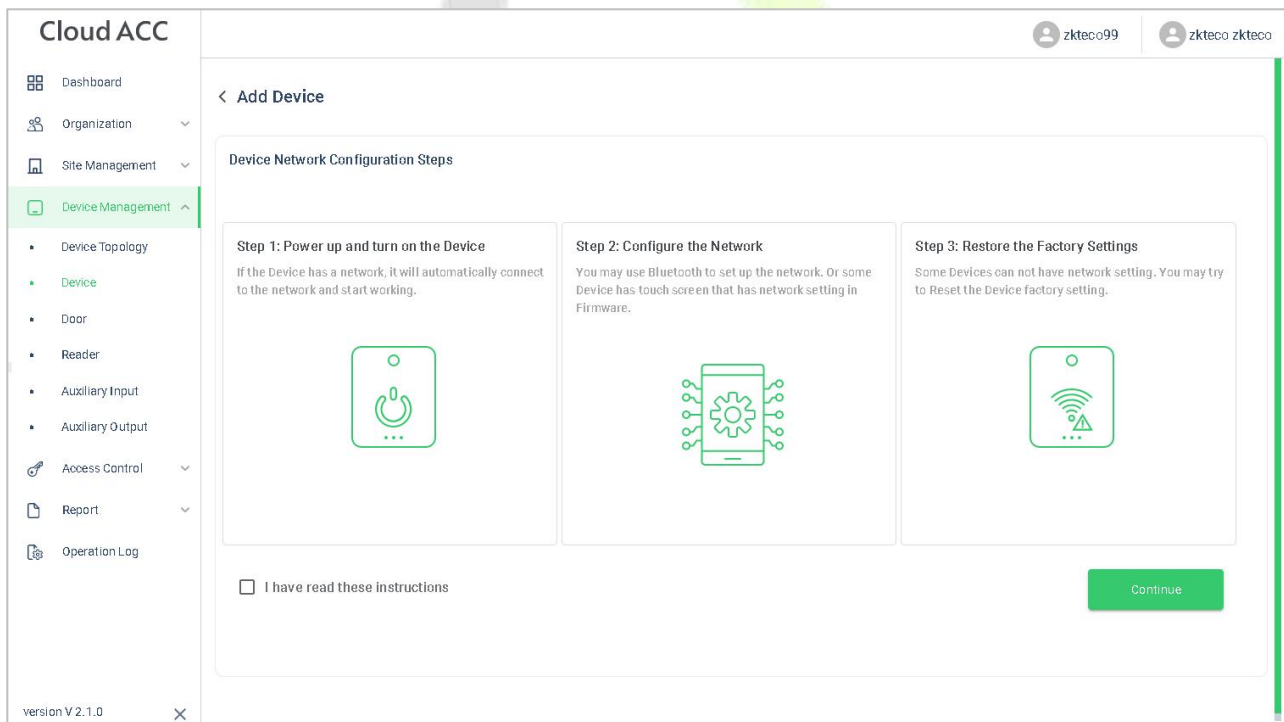
DNS 0.0.0.0

DHCP

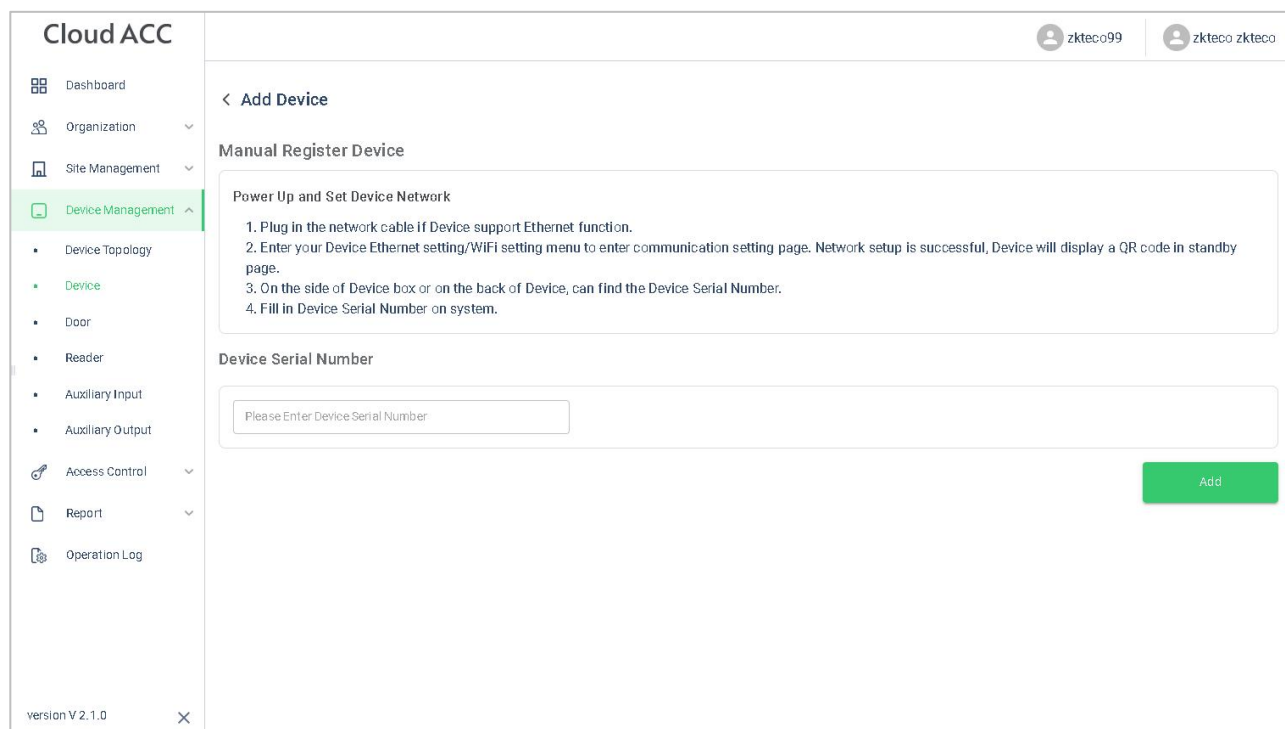
- Click **Workshop > CloudACC** on the main menu to enter the **ZKBio Cloud Access** interface.



- Click **Device Management > Device** to enter the **Device** interface in the **ZKBio Cloud Access**
- Click **+Add Device** button to add a new device.
- Read and check to the instructions, then click **Continue**.



6. Enter the device's serial number, then click **Add**. (Click **System Info > Device Info** on the device to view the serial number)



Cloud ACC

zkteco99 zkteco zkteco

< Add Device

Manual Register Device

Power Up and Set Device Network

1. Plug in the network cable if Device support Ethernet function.
2. Enter your Device Ethernet setting/WiFi setting menu to enter communication setting page. Network setup is successful, Device will display a QR code in standby page.
3. On the side of Device box or on the back of Device, can find the Device Serial Number.
4. Fill in Device Serial Number on system.

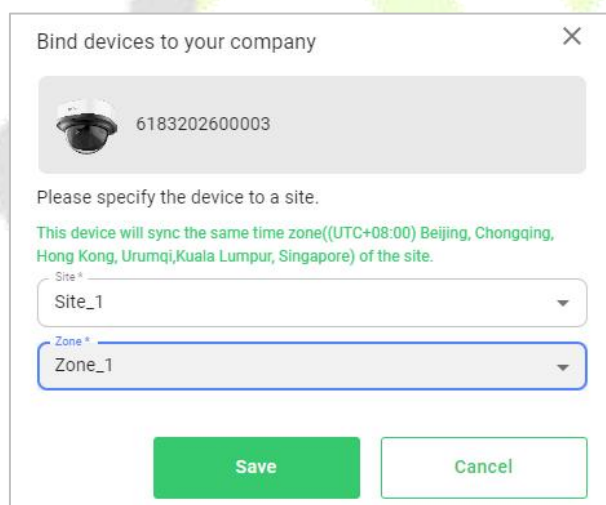
Device Serial Number

Please Enter Device Serial Number

Add

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7. Choose a site and a zone, then click **Save** to finish.



Bind devices to your company

 6183202600003

Please specify the device to a site.

This device will sync the same time zone((UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi, Kuala Lumpur, Singapore) of the site.

Site *
Site_1

Zone *
Zone_1

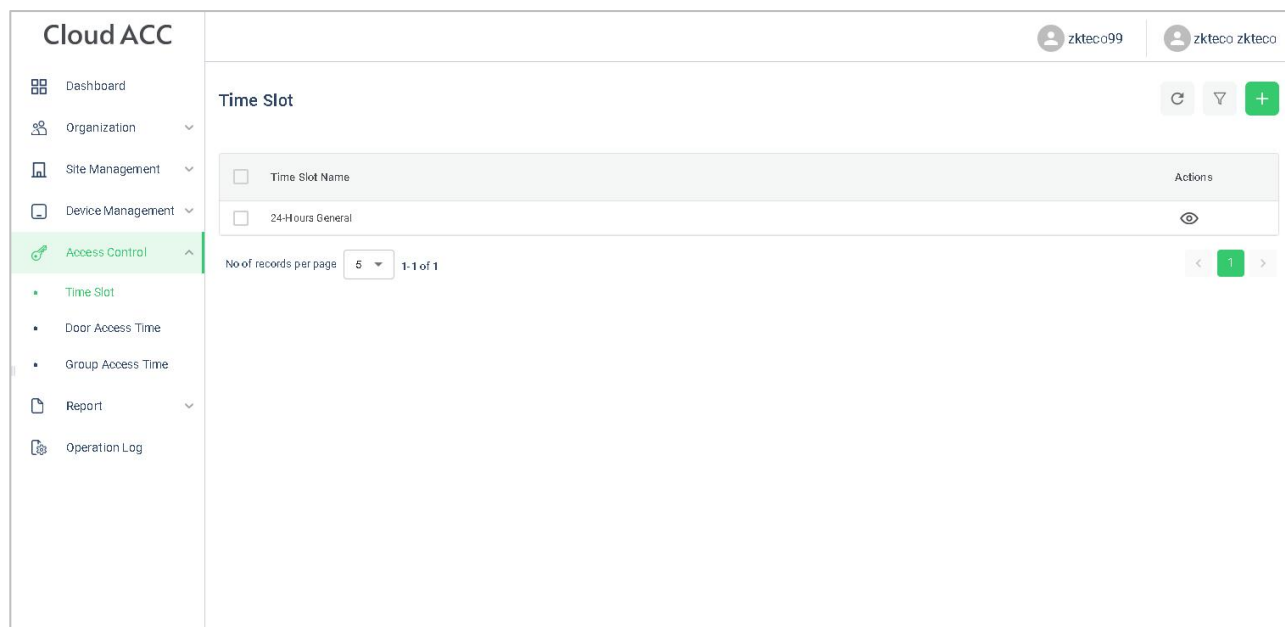
Save Cancel

15.3 Time Slot

Time Slot is used to set the access time period for person or doors.

15.3.1 Set Time Slot

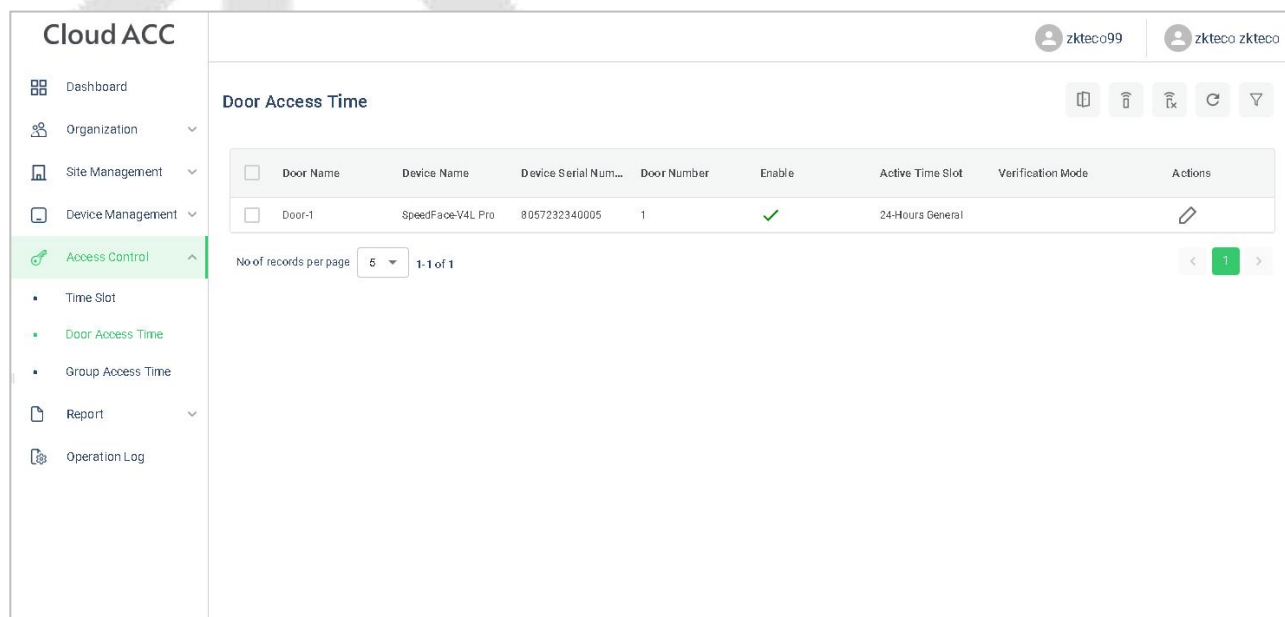
In **ZKBio Cloud Access** interface, click **Access Control > Time Slots** to set time slot.



Click **+Add Time slots** to add a new slot, or click  to modify an existing slot.

15.3.2 Set Door Access Time

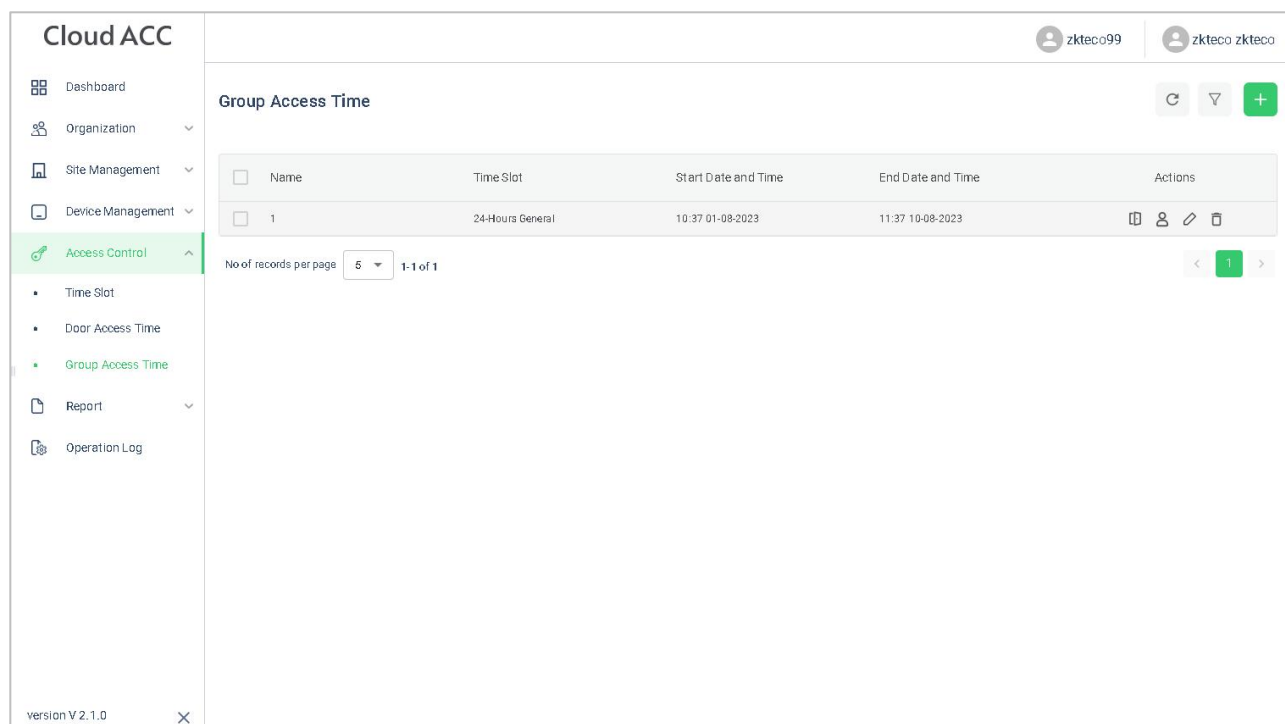
In **ZKBio Cloud Access** interface, click **Access Control > Door Access Time** and click  to allocate a time slot to this door.



15.3.3 Set Group Access Time

You can set a group to control the access time of the person and the door at the same time.

In **ZKBio Cloud Access** interface, click **Access Control > Group Access Time**.



Click **+ Add Group Access Time** to add a new group.

Click  to allocate doors to this group.

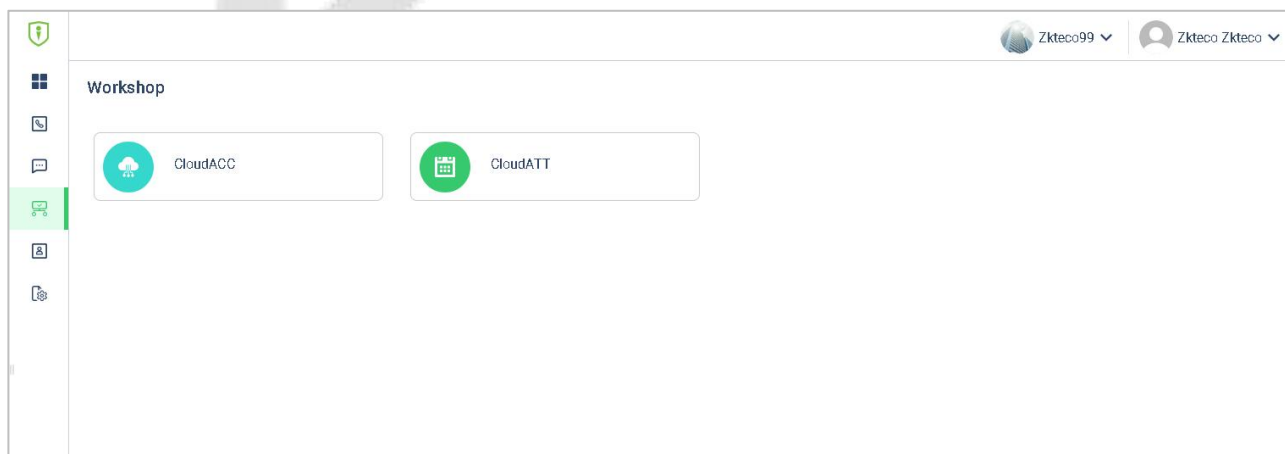
Click  to allocate person to this group.

Click  to allocate a time slot to this group.

Click  to delete this group.

15.4 Synchronize Person to Device

1. Click **Workshop > CloudACC** on the main menu to enter the **ZKBio Cloud Access** interface.



2. Click **Access Control** > **Group Access Time**.

Cloud ACC

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Group Access Time

Name	Time Slot	Start Date and Time	End Date and Time	Actions
1	24-Hours General	10:37 01-08-2023	11:37 10-08-2023	[Icon] [Icon] [Icon] [Icon]

No of records per page 5 1-1 of 1

3. Click [Device Icon] > [Add Icon] to choose a device.

Cloud ACC

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< Manage Door

Door Name	Device Name	Device Serial Number	Door Number	Verification Mode	Actions
Door-1	SpeedFace-V4L Pro	8057232340005	1		[Icon]

No of records per page 5 1-1 of 1

4. Click [Person Icon] > [Add Icon] to allocate person to this device.

Cloud ACC

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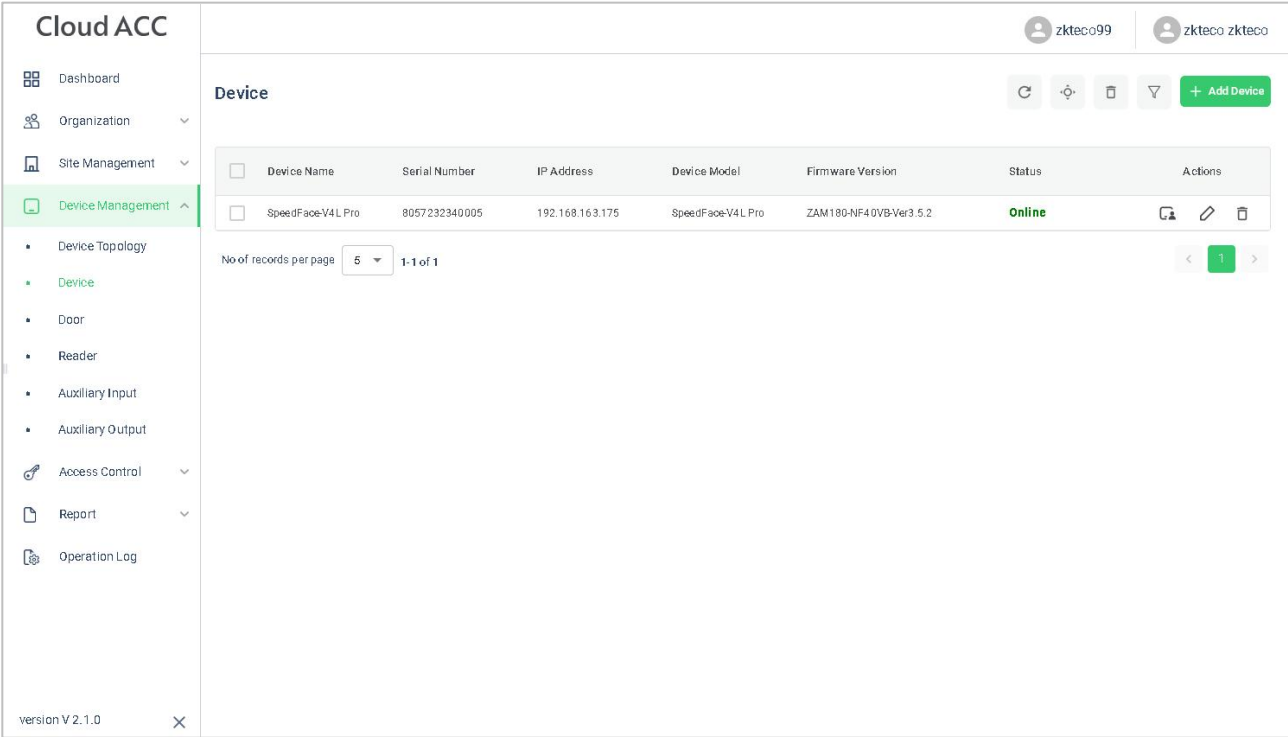
< Add Person

First Name	Last Name	Person ID
Mike	Mike	1
zkteco	zkteco	001

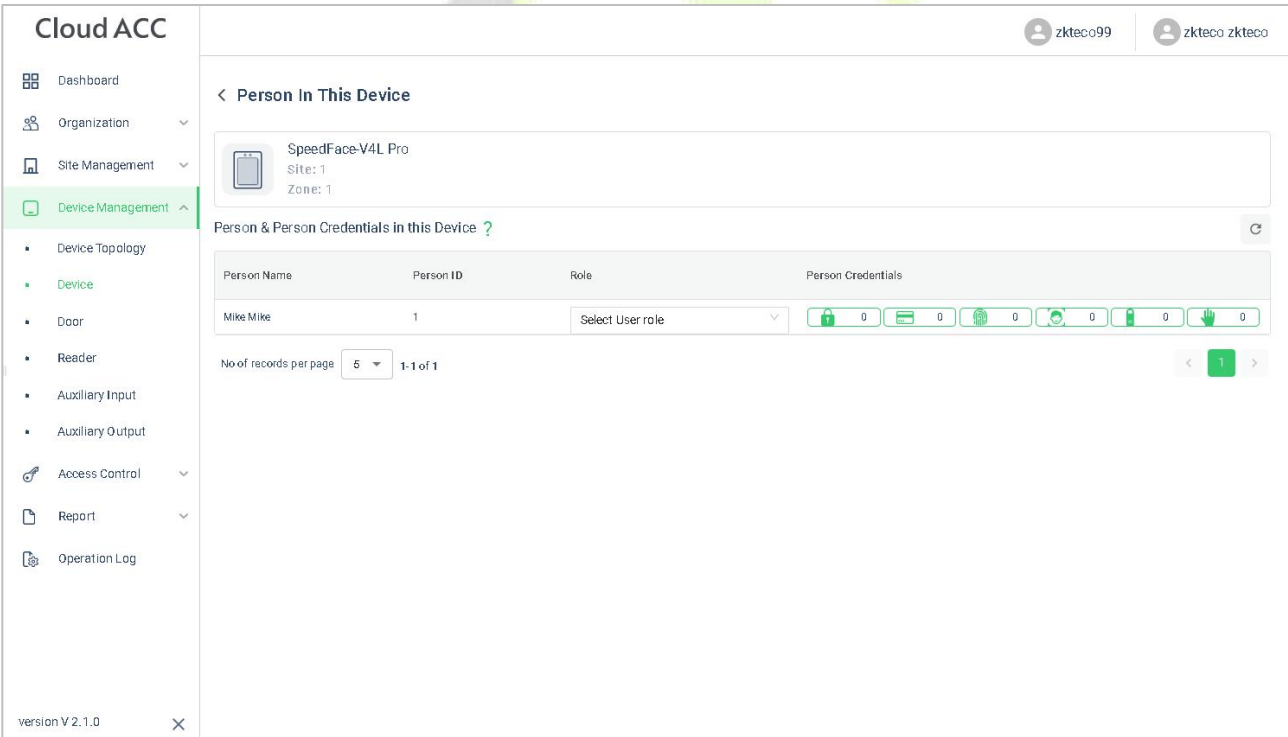
No of records per page 5 1-2 of 2

Add Clear

5. Click **Device Management > Device** to enter the **Device** interface.



6. Choose a device and click **Persons in the Device** icon  to view the person list.



15.5 User Registration

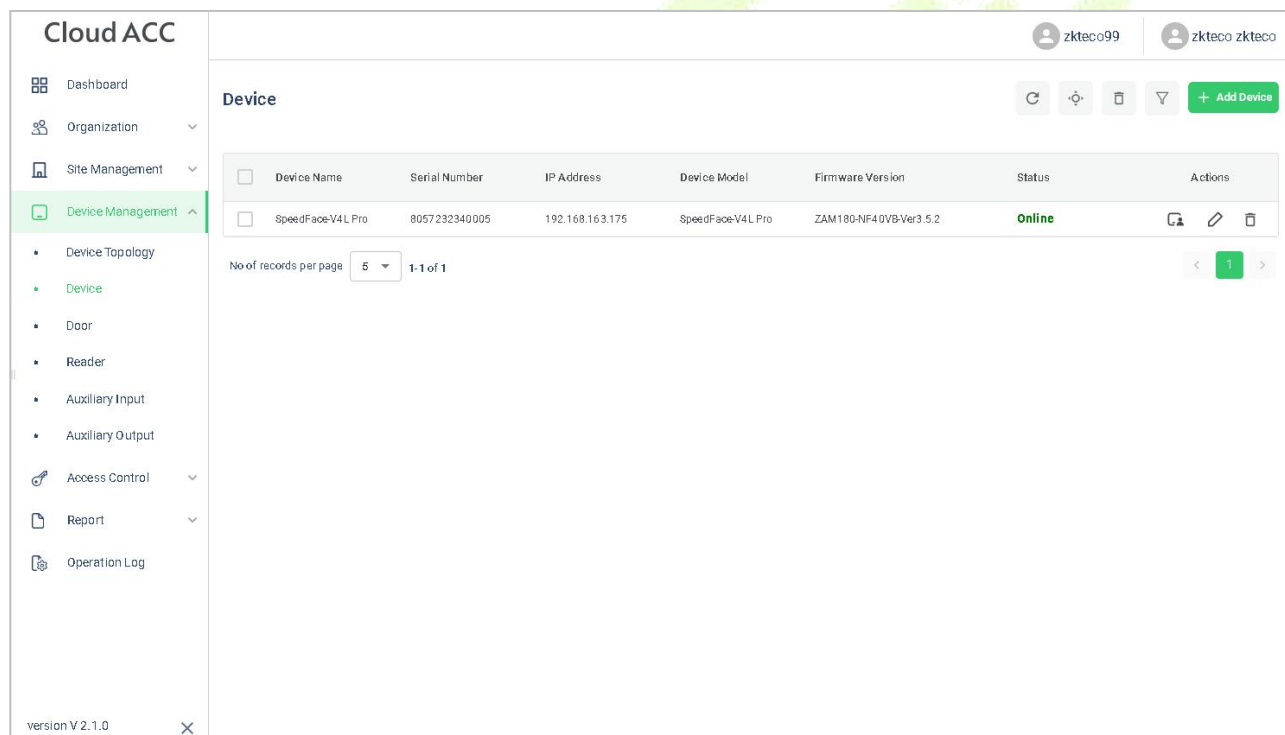
15.5.1 Register a User ID and Name

Please refer to the related software user's manual: [14.2.1 Set Organization](#).

15.5.2 Setting the User Role

There are two types of user accounts: the **Normal User** and the **Super Admin**. If there is already a registered administrator, the normal users have no rights to manage the system and may only access authentication verifications. The administrator owns all management privileges.

1. Click **Device Management** > **Device** on **ZKBio Cloud Access** interface to enter the **Device** interface.
2. Choose a device and click **Persons in the Device** icon  to view the person list.



Cloud ACC

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Device     

☐	Device Name	Serial Number	IP Address	Device Model	Firmware Version	Status	Actions
☐	SpeedFace-V4L Pro	8057232340005	192.168.163.175	SpeedFace-V4L Pro	ZAM180-NF4 0VB-Ver3.5.2	Online	  

No of records per page 1-1 of 1   

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3. Choose the **Select User** role.

Cloud ACC

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< Person In This Device

SpeedFace-V4L Pro
Site: 1
Zone: 1

Person & Person Credentials in this Device ?

Person Name	Person ID	Role	Person Credentials
Mike Mike	1	Select User role	🔒 0 📄 0 👤 0 🔄 0 🔑 0 👉 0

No of records per page: 5 | 1-1 of 1

version V 2.1.0

15.5.3 Register Fingerprint

1. Click **Device Management > Device** on **ZKBio Cloud Access** interface to enter the **Device** interface.
2. Choose a device and click **Persons in the Device** icon to view the person list.

Cloud ACC

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Device

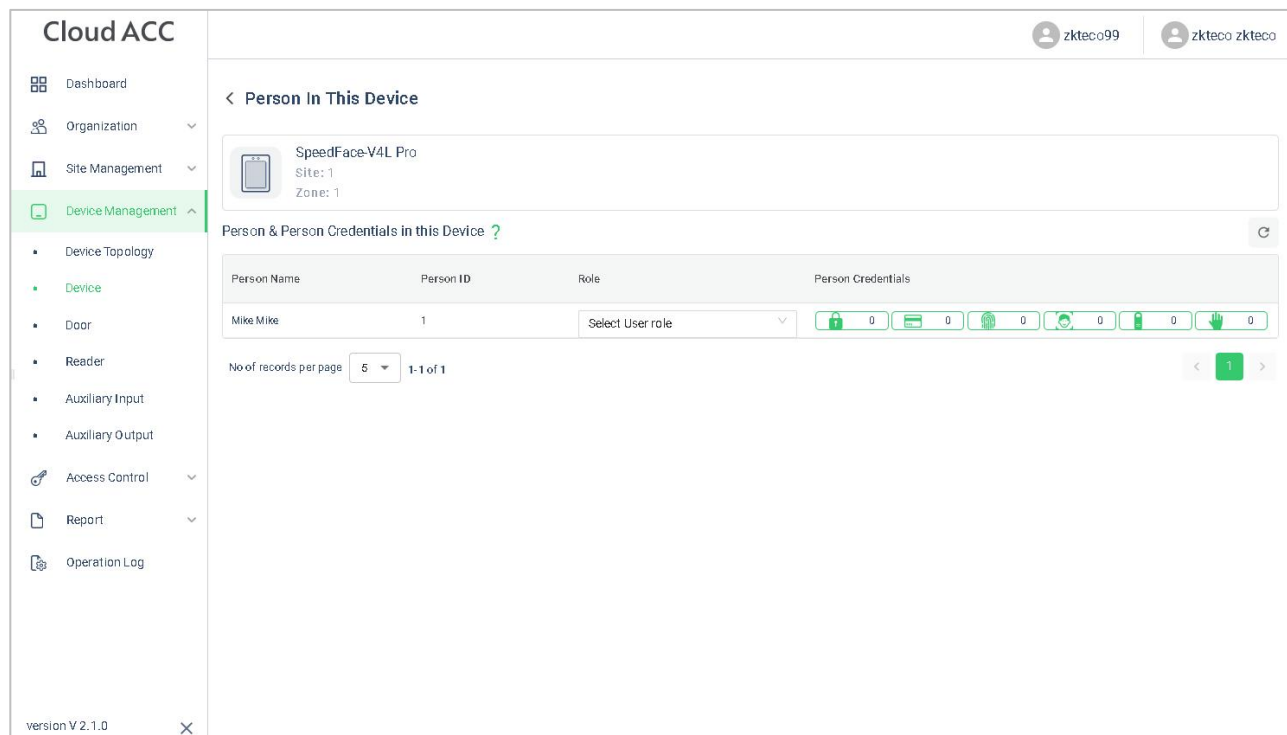
+ Add Device

☐	Device Name	Serial Number	IP Address	Device Model	Firmware Version	Status	Actions
☐	SpeedFace-V4L Pro	8057232340005	192.168.163.175	SpeedFace-V4L Pro	ZAM180-NF4 0VB-Ver3.5.2	Online	

No of records per page: 5 | 1-1 of 1

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3. Click  icon to choose a finger, click **Submit**, then register fingerprint on the device.

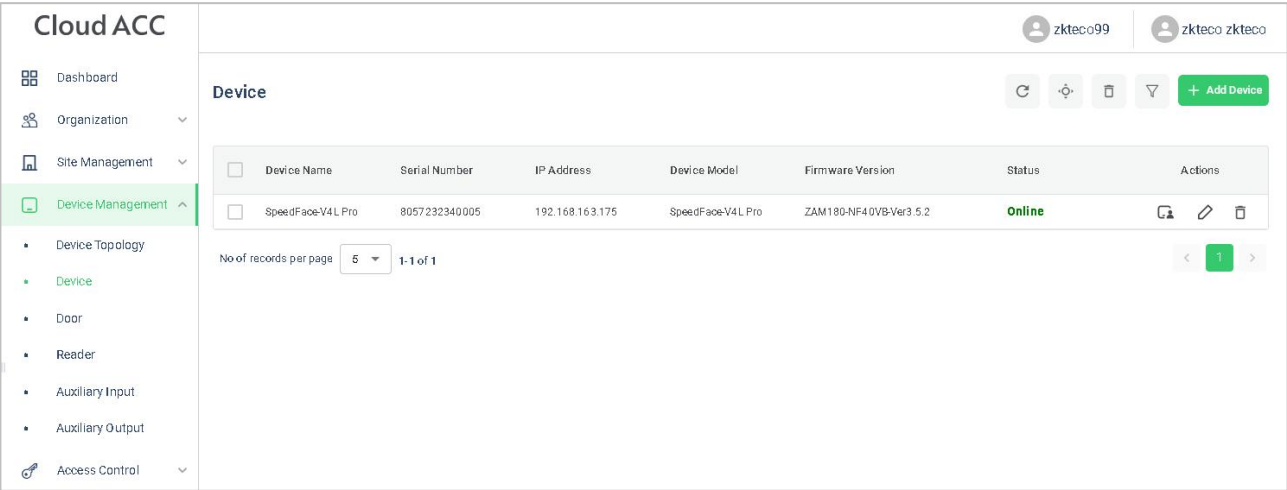


4. Press the same finger on the fingerprint reader three times. Green indicates that the fingerprint was enrolled successfully.

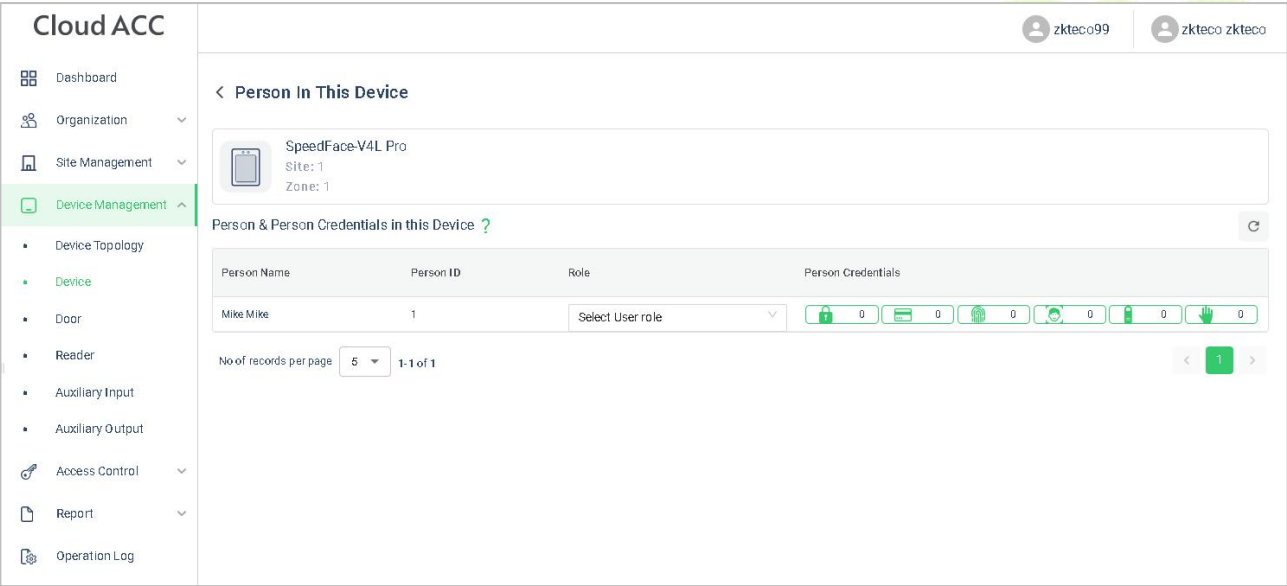


15.5.4 Register Face Template

- Click **Device Management** > **Device** on **ZKBio Cloud Access** interface to enter the **Device** interface.
- Choose a device and click **Persons in the Device** icon  to view the person list.



3. Click  icon to register face template on the device.

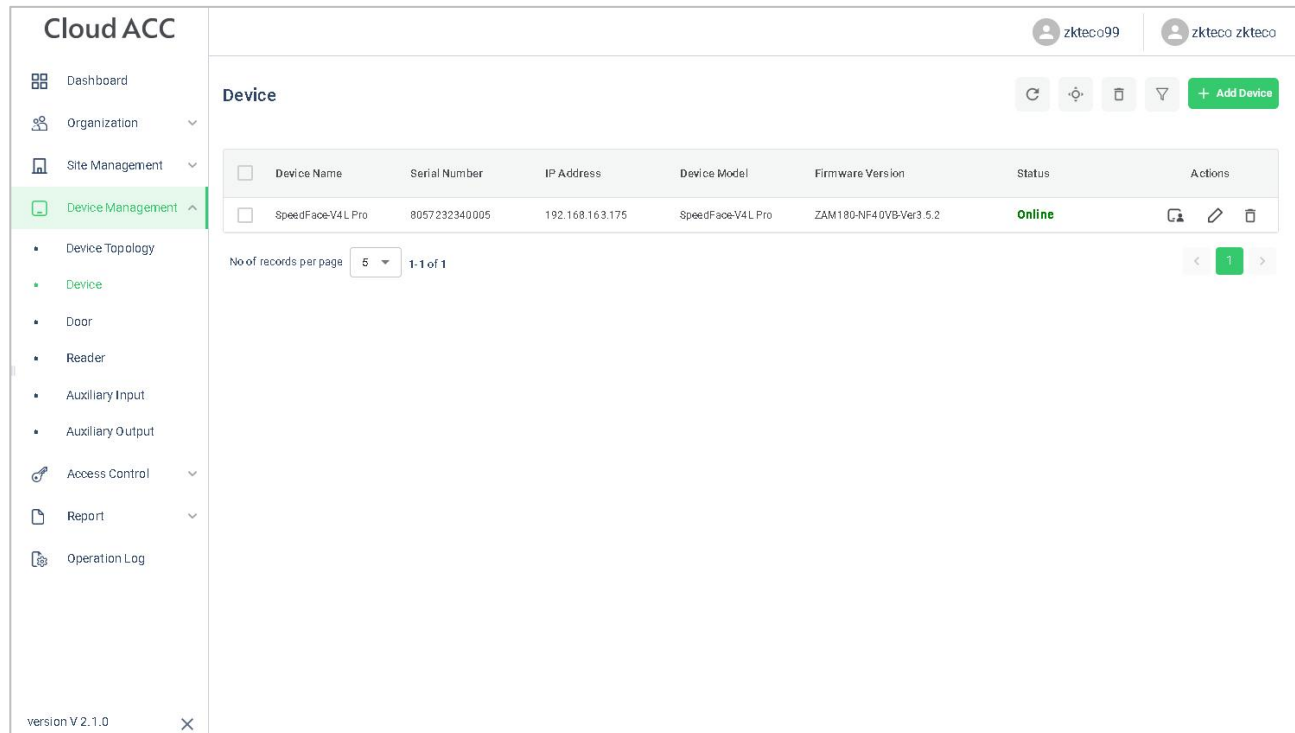


The registration interface is as follows:



15.5.5 Register Password

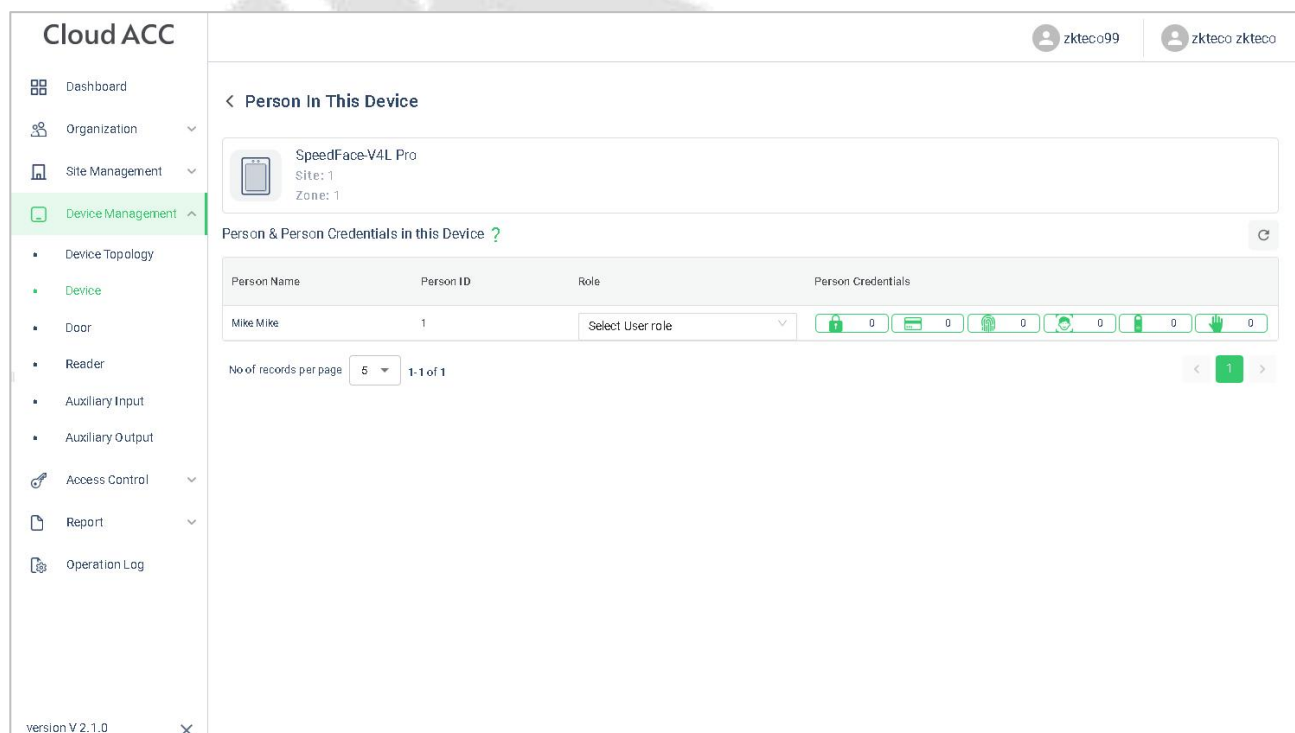
1. Click **Device Management > Device** on **ZKBio Cloud Access** interface to enter the **Device** interface.
2. Choose a device and click **Persons in the Device** icon  to view the person list.



The screenshot shows the 'Cloud ACC' interface. On the left is a sidebar with navigation options: Dashboard, Organization, Site Management, Device Management (highlighted), Device Topology, Device, Door, Reader, Auxiliary Input, Auxiliary Output, Access Control, Report, and Operation Log. The main area is titled 'Device' and contains a table with the following columns: Device Name, Serial Number, IP Address, Device Model, Firmware Version, Status, and Actions. A single device is listed: SpeedFace-V4L Pro, Serial Number 8057232340005, IP Address 192.168.163.175, Device Model SpeedFace-V4L Pro, Firmware Version ZAM180-NF40VB-Ver3.5.2, and Status Online. Below the table, there is a pagination control showing 'No of records per page' set to 5 and '1-1 of 1'. A green '+ Add Device' button is in the top right corner.

Device Name	Serial Number	IP Address	Device Model	Firmware Version	Status	Actions
SpeedFace-V4L Pro	8057232340005	192.168.163.175	SpeedFace-V4L Pro	ZAM180-NF40VB-Ver3.5.2	Online	  

3. Click  icon to register password on the device.



The screenshot shows the 'Person In This Device' interface. The sidebar is the same as in the previous screenshot. The main area is titled '< Person In This Device'. It shows a device card for 'SpeedFace-V4L Pro' with Site: 1 and Zone: 1. Below this is a section 'Person & Person Credentials in this Device' with a table. The table has columns: Person Name, Person ID, Role, and Person Credentials. A single person is listed: Mike Mike, Person ID 1, Role 'Select User role'. The 'Person Credentials' column shows various icons with a count of 0. Below the table, there is a pagination control showing 'No of records per page' set to 5 and '1-1 of 1'. A green '+ Add Device' button is in the top right corner.

Person Name	Person ID	Role	Person Credentials
Mike Mike	1	Select User role	 0  0  0  0  0  0

The registration interface is as follows:

Note: The password may contain one to eight digits by default.

15.5.6 Register Card

1. Click **Device Management** > **Device** on **ZKBio Cloud Access** interface to enter the **Device** interface.
2. Choose a device and click **Persons in the Device** icon  to view the person list.

Cloud ACC

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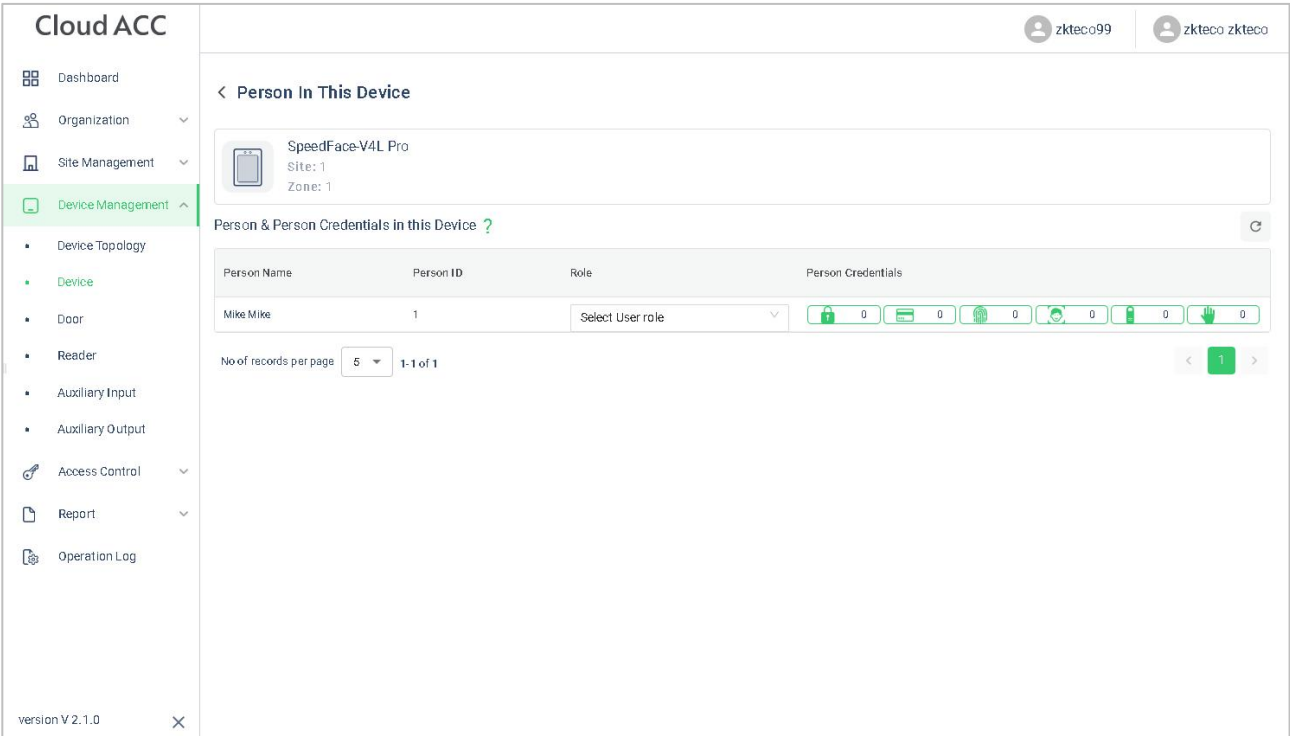
Device     

☐	Device Name	Serial Number	IP Address	Device Model	Firmware Version	Status	Actions
☐	SpeedFace-V4L Pro	8057232340005	192.168.163.175	SpeedFace-V4L Pro	ZAM180-NF40VB-Ver3.5.2	Online	  

No of records per page: 1-1 of 1   

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3. Click  icon to register password on the device.



The registration interface is as follows:

