Quick Start Guide

2.4-inch Visible Light Terminal

Version: 1.0

Overview

SpeedFace-V3L:

- Near-infrared Flash
- Flash
- Microphone
- Camera
- 2.4-inch Touchscreen
- Doorbell Button
- Fingerprint Sensor
- Speaker

58.5mm

185.0mm

20.0mm

SpeedFace-V3LM1:

- Flash
- Microphone
- Camera
- 2.4-inch Touchscreen
- Doorbell Button
- Fingerprint Sensor
- Speaker

*60.0mm*

188.0mm

21.0mm
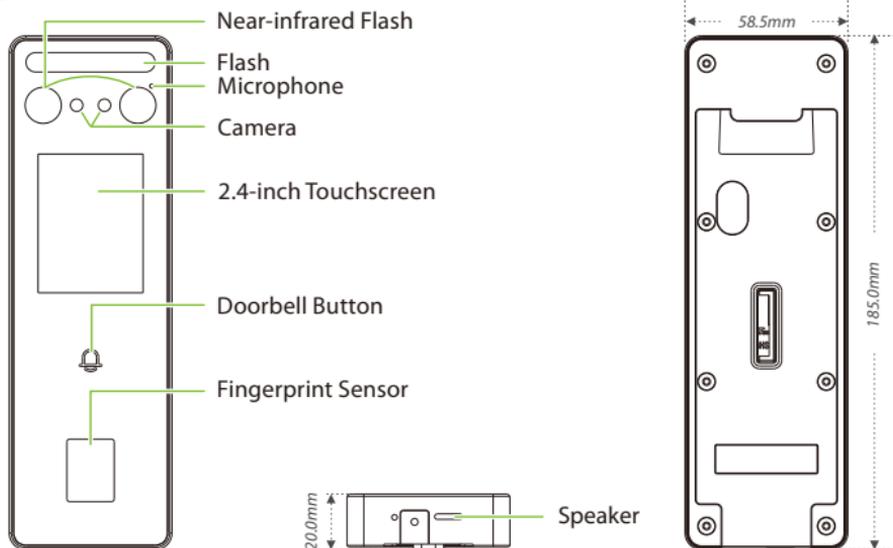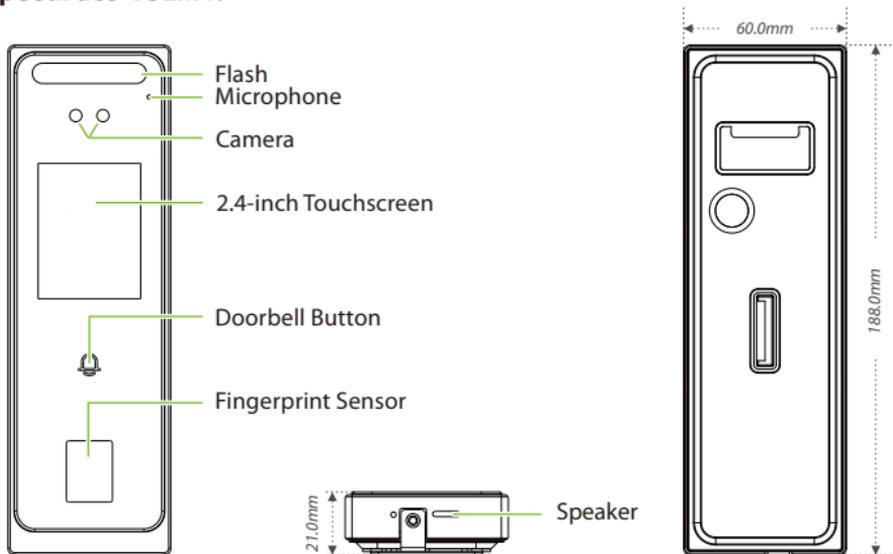
Note:

- This manual only take **SpeedFace-V3L** as an example for detailed introduction, and the functions of **SpeedFace-V3LM1** will not be repeated.

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

Terminal Block
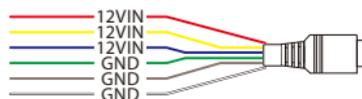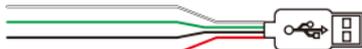
Installation Environment

Please refer to the following recommendations for installation.


INSTALL
INDOORS ONLY

AVOID GLASS
REFRACTION

AVOID DIRECT
SUNLIGHT
AND EXPOSURE

KEEP EFFECTIVE
DISTANCE
0.3-1.2m

Device Installation

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

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

③ Attach the device to the backplate.

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

❶

1.5m

❷

❸

①

②

❹
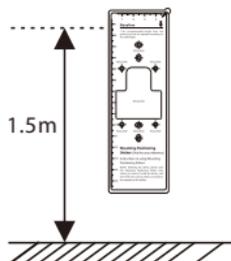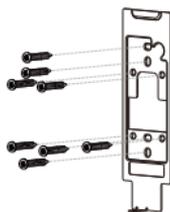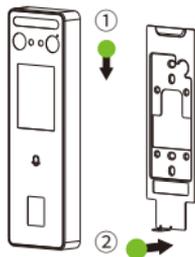
Standalone Installation

- Alarm
- Smoke Detector
- Door Sensor
- Reader
- Lock
- USB Facial Recognition Extension Reader ★
- Exit Button
- TCP/IP WiFi
- ZKBio CVAccess

Power Connection

12V
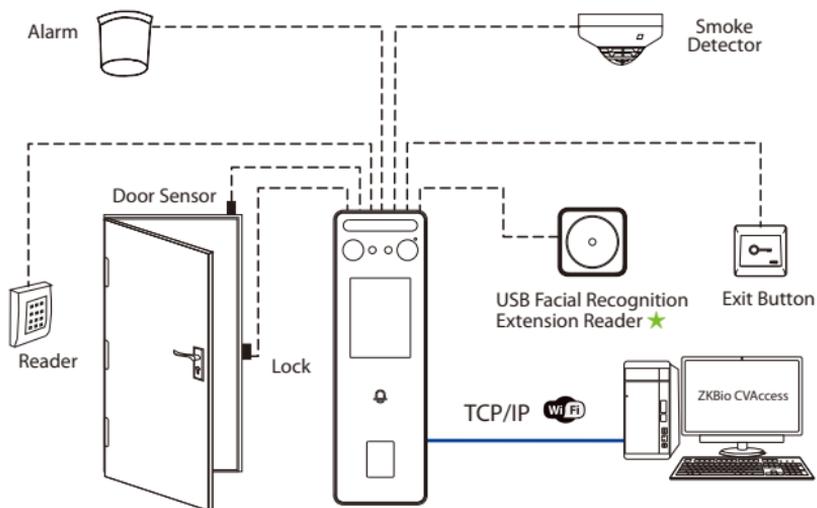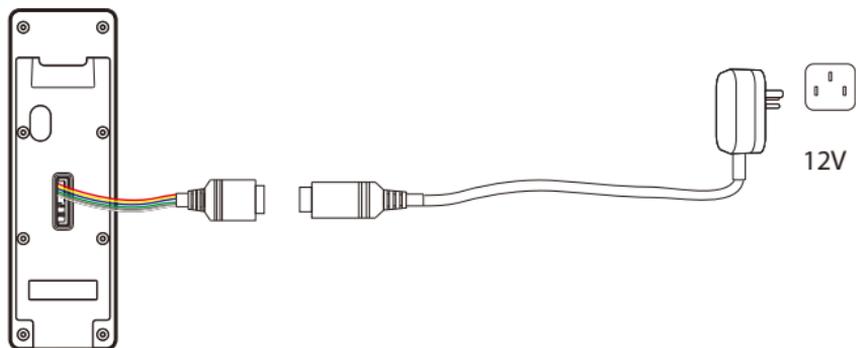
Recommended AC Adapter

1) 12V ± 10%, at least 1500mA.
2) To share the power with other devices, use an AC Adapter with higher current ratings.

Ethernet Connection

Connect the device and computer software over an Ethernet cable. As shown in the example below:
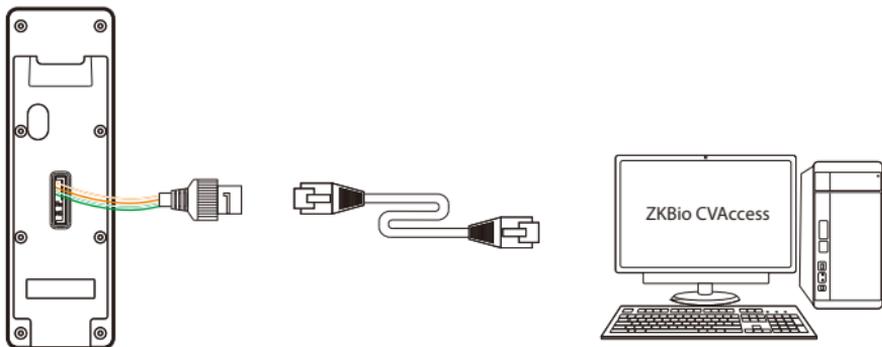
Default IP address: 192.168.1.201
Subnet mask: 255.255.255.0

IP address: 192.168.1.130
Subnet mask: 255.255.255.0

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

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

Wiegand Reader Connection

	WD0	
485A		
485B	WD1	Access Controller
WD0-OUT		
WD1-OUT		
INWD0	WD0	
INWD1	WD1	
GND	GND	
12V-OUT	+12V	

Wiegand
Reader

# RS485 Connection

485A	485+
485B	485-
WD0-OUT	GND
WD1-OUT	+12V
INWD0	
INWD1	
GND	
12V-OUT	

485 Reader
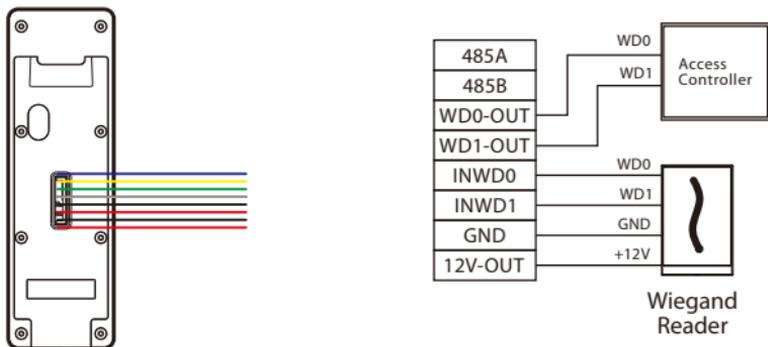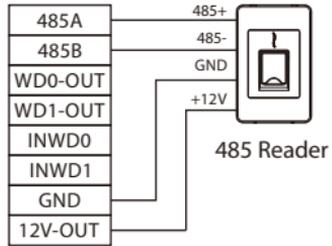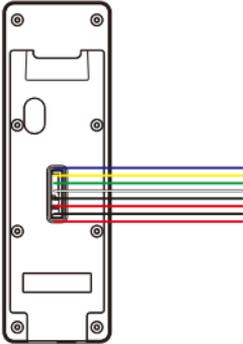
Door Sensor, Exit Button, Alarm & Auxiliary Connection

Door Sensor

NC
COM
NO
SEN
GND
BUT
AUX
GND
BELL+
BELL-
ALARM+
ALARM-

Exit Button

Smoke Detector

NO

COM

Alarm Power

Alarm
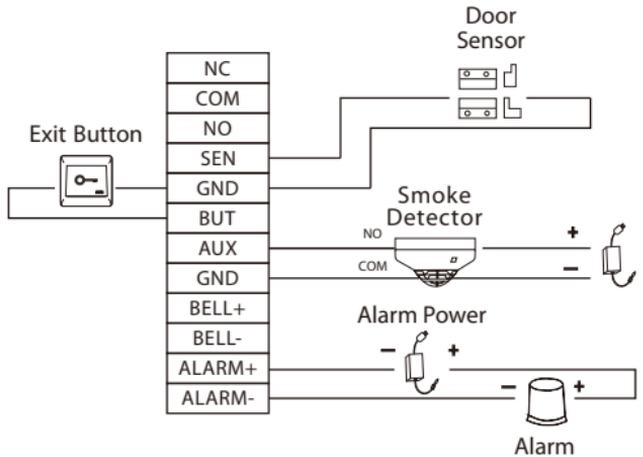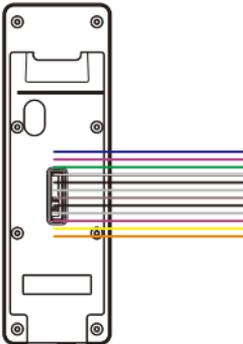
Lock Relay Connection

The system supports **Normally Opened Lock** and **Normally Closed Lock**. The **NO LOCK** (normally unlocked when power-on) is connected with '**NO**' and '**COM**' terminals, and the **NC LOCK** (normally locked when power-on) is connected with '**NC**' and '**COM**' terminals. Take NC Lock as an example below:
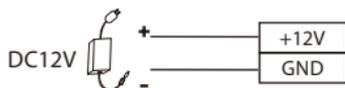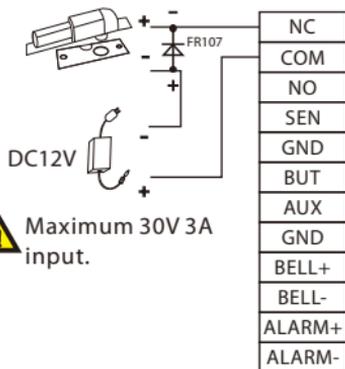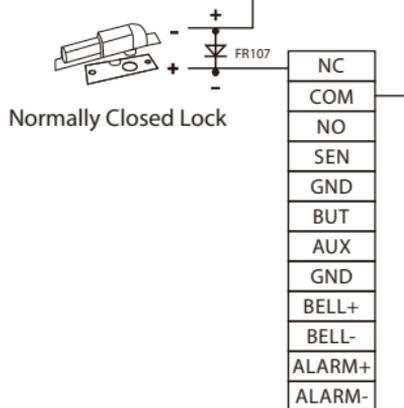
USB Connection

The device supports the connection of KF1000-U reader and USB disk.

KF1000-U Reader ★
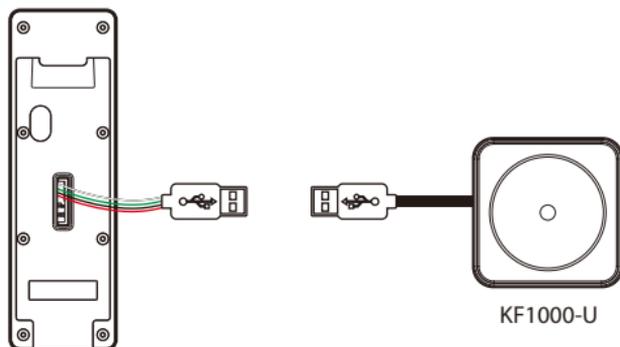
KF1000-U

For more details, please refer to the *KF1000-U User Manual*.

USB Disk

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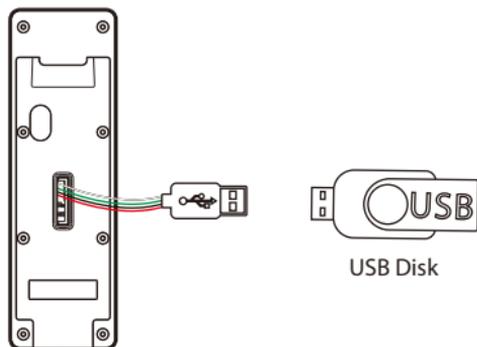
For more details, please refer to the *User Manual*.

User Registration

When there is no super administrator set in the device, click on ▓ to enter the menu. Add a new user and set User Role to Super Admin, then the system requests for the administrator's verification before entering the menu. It is recommended to register a super administrator initially for security purposes.

Method 1: Registering on the Device

Click on ▓ > [**User Mgt.**] > [**New User**] to register a new user. The options include entering the user ID and Name, setting User Role and Access Control Role, registering Fingerprint★, Face, Card Number★ and Password.
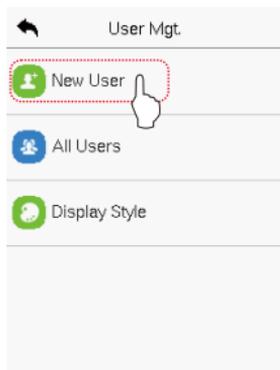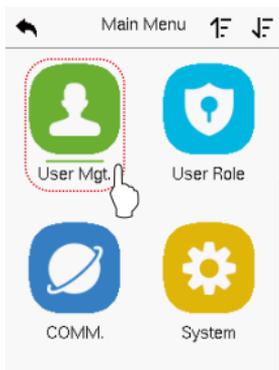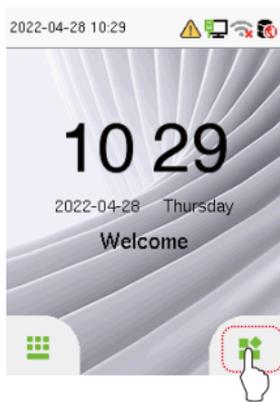
Method 2: Register on ZKBio CVAccess Software

● **Register on the PC**

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

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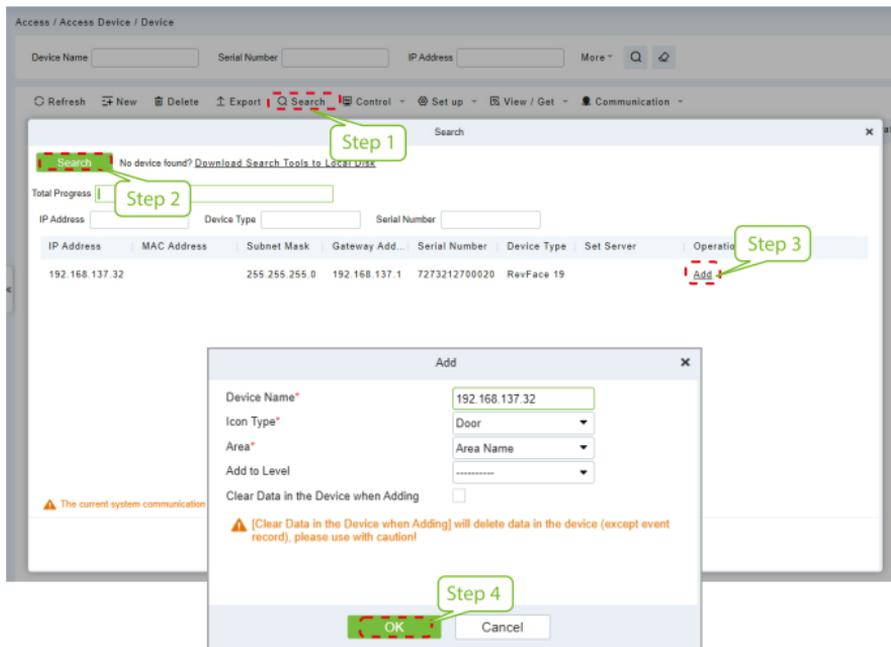
2. Click **Add** in an operation column, a new window will pop-up. Select Icon type, Area, and Add to Level from each dropdowns and click **OK** to add the device.

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

4. Click **Access > Device > Control > Synchronize All Data to Devices** to synchronize all the data into the device including the new users.

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

- **Register on the Phone**

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

1. Click **Personnel > Parameters**, input "http://Server address: Port" in the QR Code URL. The software will automatically generate a QR code. To register users, scan the QR code or log in at 'http://ServerAddress:Port/app/v1/adreg' using a mobile phone.
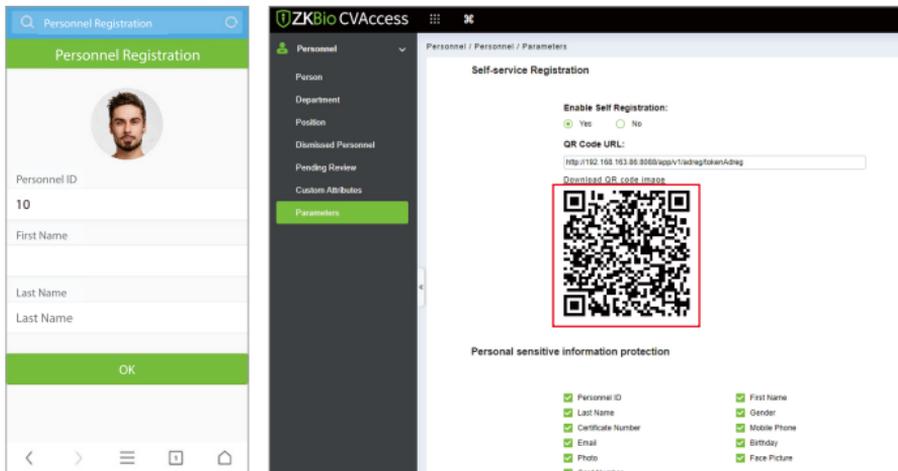
2. The users will be displayed in **Personnel > Pending Review**.
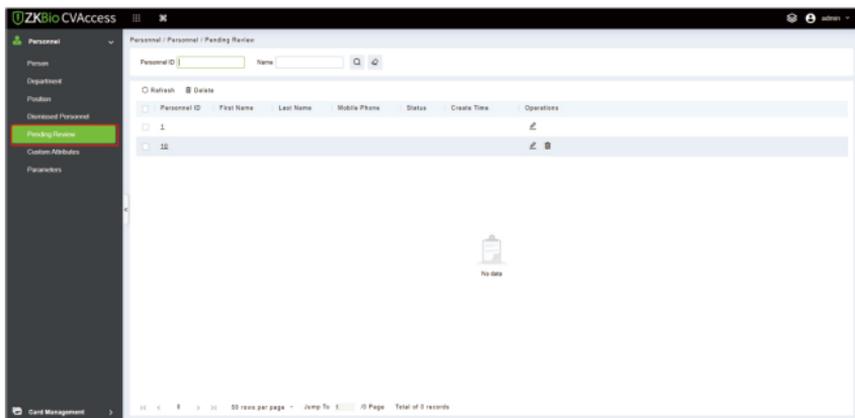
Ethernet and Cloud Server Settings

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

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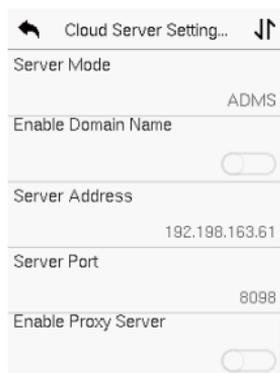

Note:

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

Server Address: Set as the IP address of the ZKBio CVAccess server.

Server Port: Set as the service port of ZKBio CVAccess.

Access Control Setting

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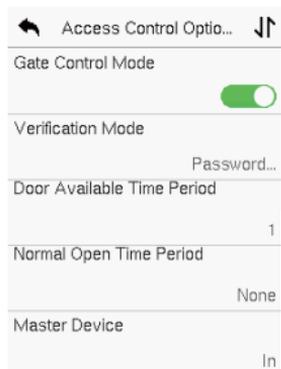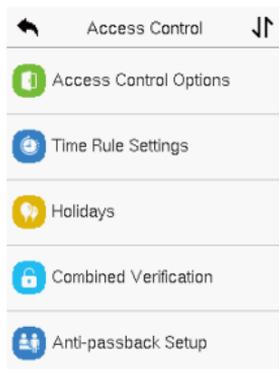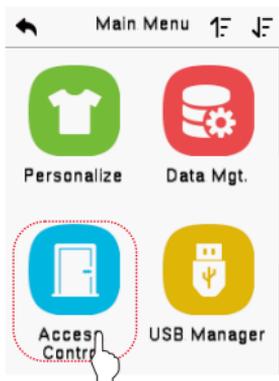
Attendance Record

Click on > [**Attendance Record**] to enter the record query interface, input the user ID and select the time range, the corresponding attendance record will be displayed.
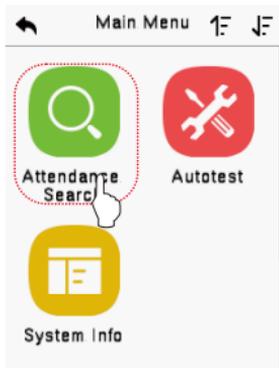
System Setting

Click on ![icon] > [**System**] to enter the system interface to set the related system parameters for optimizing the accessibility of the device.

Main Menu	
User Mgt.	User Role
COMM.	System

Access Logs Settin...	
Alphanumeric User ID	
Access Log Alert	99
Periodic Del of Access Logs	Disabled
Authentication Timeout(s)	3
Face Comparison Interval(s)	1

New User	
User ID	ABC
Name	mike
User Role	Normal User
Fingerprint	0
Face	0

Security Settings	
Standalone Communication	
SSH	
User ID Masking	
Display Verification Name	
Display Verification Mode	

15:23

Successfully verified.

Name : Mike
User ID : ★
Verify : Face

15:23

Successfully verified.

User ID : 1

Face	
1:N Threshold Value	47
1:1 Threshold Value	63
Face Enrollment Threshold	70
Face Pitch Angle	30
Face Rotation Angle	25

Face	
Live Detection Threshold	70
Anti-spoofing Using NIR	
Anti-flicker Mode	50HZ
Face Algorithm	
Save Photo as Template	

Fingerprint	
1:1 Threshold Value	15
1:N Threshold Value	35
FP Sensor Sensitivity	Low
1:1 Retry Attempts	3
Fingerprint Image	Always Show

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