Quick Start Guide

SpeedFace M4

Version: 1.1

Overview

- Rain Cover
- Flash
- Camera & Palm Data Collector ★
- Microphone
- 5" Touchscreen
- Card Swiping Area
- Terminal Block
- Reset Button
- Speaker

Terminal Block

Power Adapter

Power out
| 12V-OUT | RD |
| GND | BK |

RS232
GND	BK
RS232_RXD	GY
RS232_TXD	VT

RS485
| 485B | YE |
| 485A | BU |

Power out
| GND | BK |
| 12V-OUT | RD |

Wiegand out
| WD1-OUT | WH |
| WD0-OUT | GN |

Wiegand in
| IWD1 | WH |
| IWD0 | GN |

Power out
| GND | BK |
| 12V-OUT | RD |

BK	AUX	**Auxiliary input**
YH	SEN	**Sensor**
BK	GND	
BU	BUT	**Exit Button**
WH	NO	
VT	COM	**Lock**
GY	NC	
GN	AL-	**Alarm**
OG	AL+	

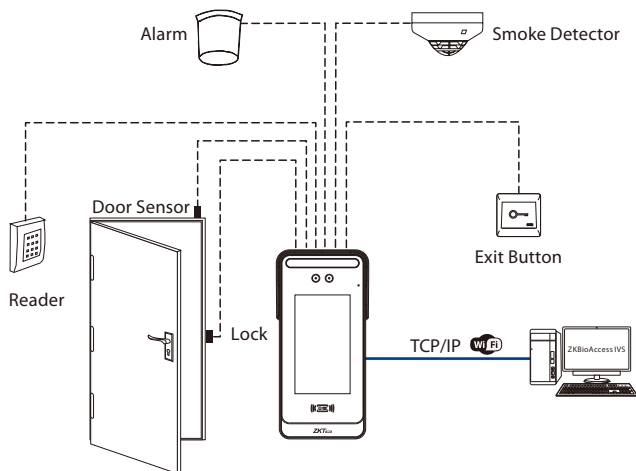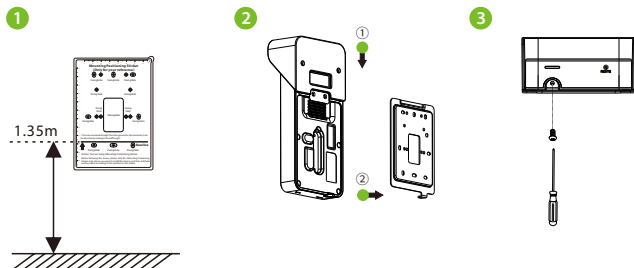Ethernet

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

Standalone Installation

Alarm

Smoke Detector

Door Sensor

Reader

Exit Button

Lock

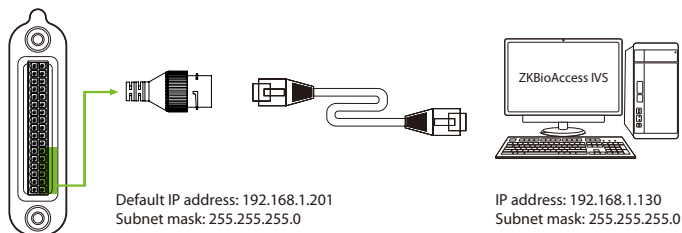TCP/IP WiFi

ZKBioAccess IVS

Device Installation

1.35m

① Attach the mounting template sticker to the wall, and drill holes according to the mounting paper. Fix the back plate on the wall using wall mounting screws.
② Attach the device to the back plate.
③ Fasten the device to the back plate with a security screw.

Ethernet Connection

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

Default IP address: 192.168.1.201
Subnet mask: 255.255.255.0

ZKBioAccess IVS

IP address: 192.168.1.130
Subnet mask: 255.255.255.0

Click [**COMM.**] > [**Ethernet**] > [**IP Address**] , input the IP address and click [**OK**].
Note: In LAN, IP addresses of the server (PC) and the device must be in the same network segment when connecting to ZKBioAccess IVS software.

Door Sensor, Exit Button, Power & Alarm Connection

✖ Do not Use
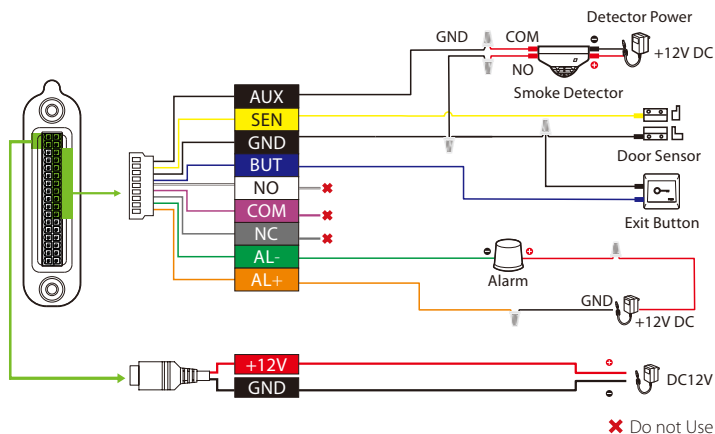
- ● Recommended AC adapter: **12V, 3A**
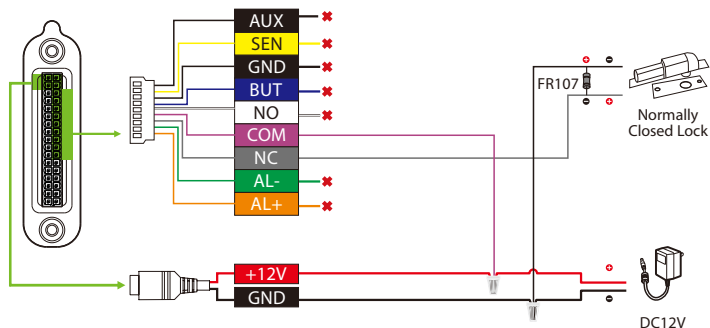- ● To share the power with other devices, user an AC adapter with higher current ratings.

Lock Relay Connection

The system supports both **Normally Opened Lock** and **Normally Closed Lock**. The **NO Lock** (normally opened when powered) is connected with '**NO1**' and '**COM**' terminals, and the **NC Lock** (normally closed when powered) is connected with '**NC1**' and '**COM**' terminals. The power can be shared with the lock or can be used separately for the lock, as shown in the example with NC Lock below:
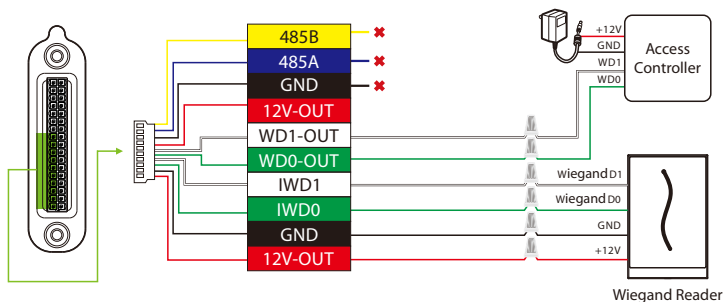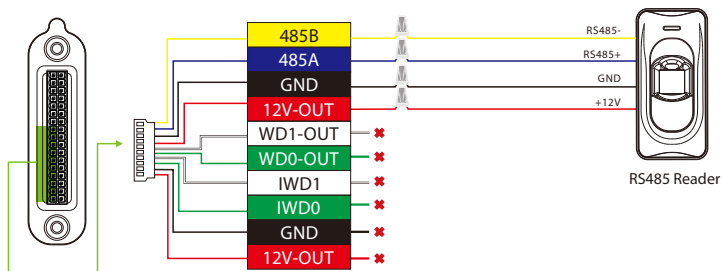
1. Device not sharing power with the lock

AUX
SEN
GND
BUT
NO
COM
NC
AL-
AL+

+12V
GND

DC12V

FR107

Normally Closed Lock

DC12V
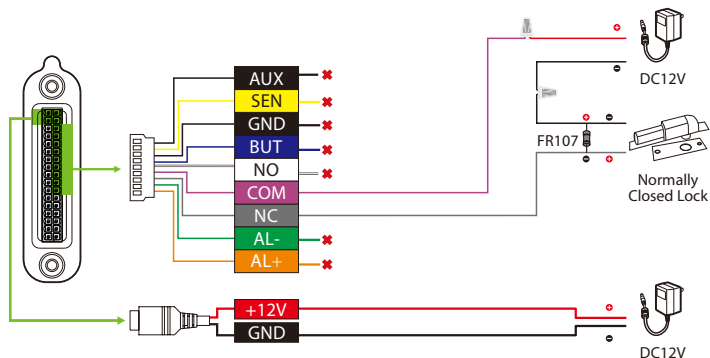
2. Device sharing power with the lock

AUX
SEN
GND
BUT
NO
COM
NC
AL-
AL+

+12V
GND

FR107

Normally Closed Lock

DC12V

Wiegand Reader & Access Controller Connection

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

+12V
GND
WD1
WD0

Access Controller

wiegand D1
wiegand D0
GND
+12V

Wiegand Reader

RS485 Connection

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

RS485-
RS485+
GND
+12V

RS485 Reader

User Registration

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

Method 1: 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, registering a Palm★, Face, Card Number, Password and adding Profile Photo.
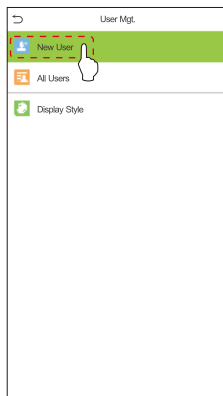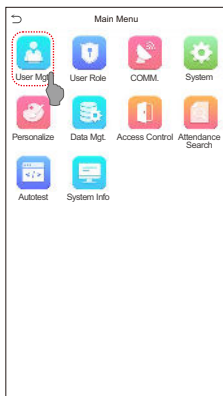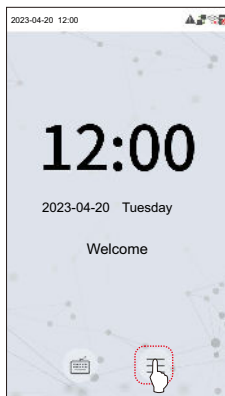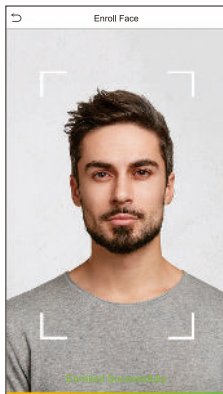
Method 2: Register on ZKBioAccess IVS software

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

1. Click [Access] > [Access Device] > [Device] > [Search Device] to search the device on the software. When an appropriate server address and port is set on the device, the searched devices are displayed automatically.
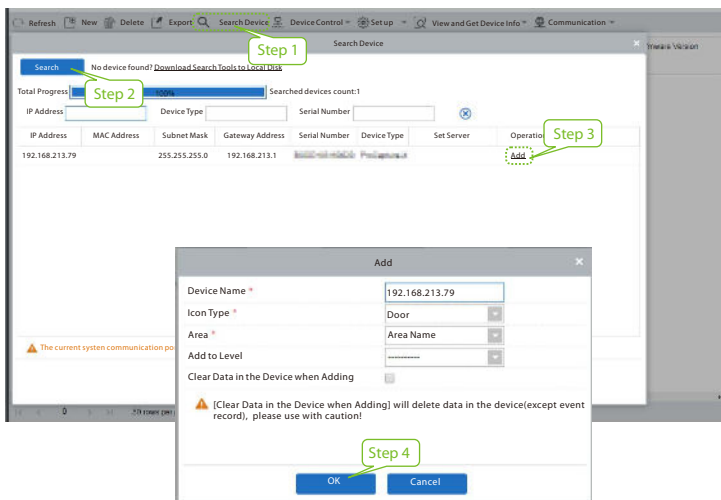

2. Click [Add] in operation column, a new window will pop-up. Select Icon type, Area, and Add to Level from each dropdowns and click [OK] to add the device.
3. Click [Personnel] > [Person] > [New] and fill in all the required fields to register a new users in the software.
4. Click [Access] > [Device]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

For more details, please refer to the ZKBioAccess IVS User Manual.

Method 3: Register on the phone

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

1. Click [**Personnel**] > [**Parameters**], input "http://Server address: Port" in the QR Code UGL bar. The software will automatically generate a QR code. Scan the QR code or login onto "http://Server address: Port/app/v1/adreg" by the mobile phone to register users.
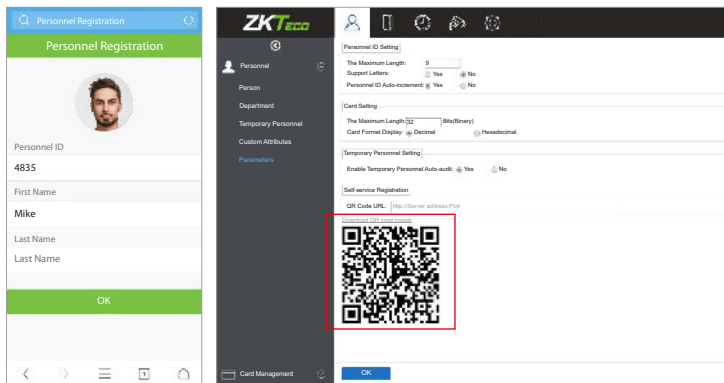

2. The users will be displayed in [**Personnel**] > [**Temporary Personnel**], click on [**Review**] option and assign a department and click [**OK**] to successfully add the user.
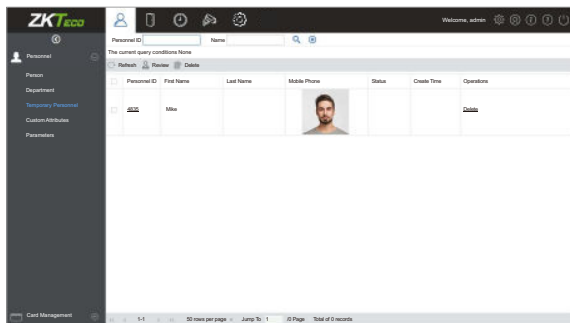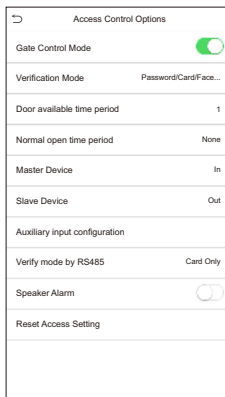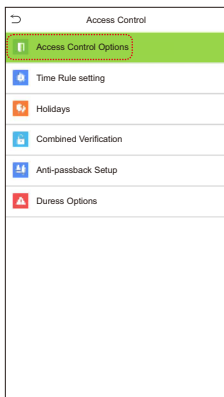
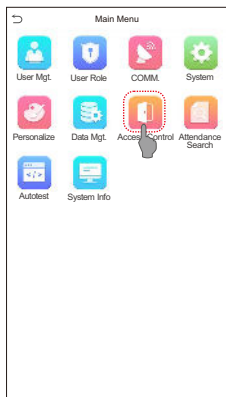# Ethernet and Cloud Server Settings

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.
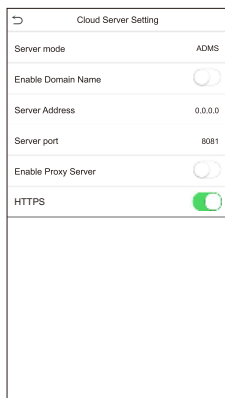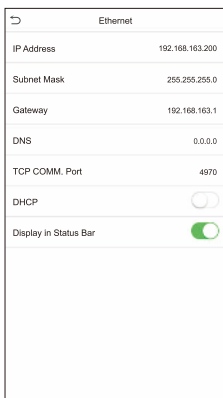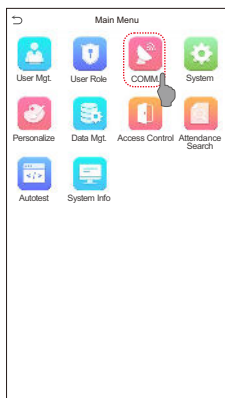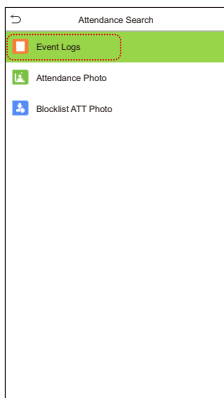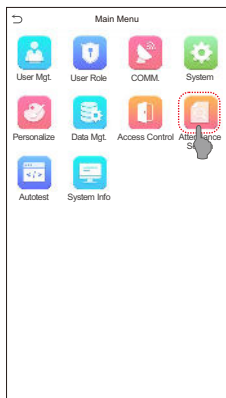

Access Control Settings

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

Records Query

Click on ☰ > [**Attendance Search**] > [**Event Logs**] to enter the records query interface, input the user ID and select the time range, the corresponding event logs will be displayed.

Detection Management Settings

Click on ≡ > [**System**] > [**Detection Management**] to enter the setting interface.

❶ You can **Enable mask detection** function, and enable the **Deny access without mask** and the **Trigger external alarm**, the device will send an alarm prompt when the user doesn't wear a mask, meanwhile the user will be forbidden to access, as shown in the following figure.

❷ When the **Allow unregistered people to access** is enabled, you can also set **Enable capture of unregistered person** to save the user photo.
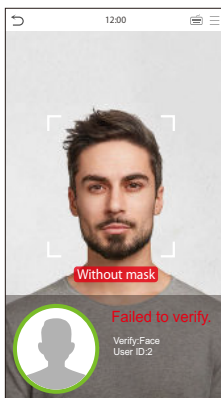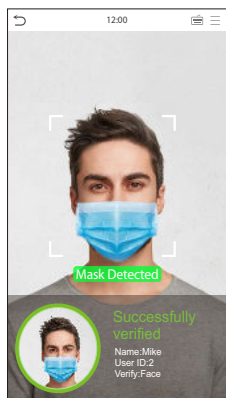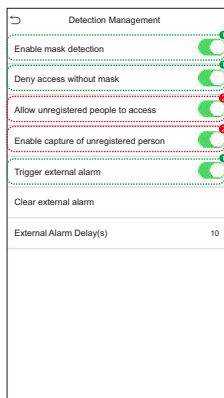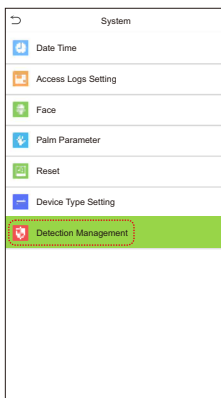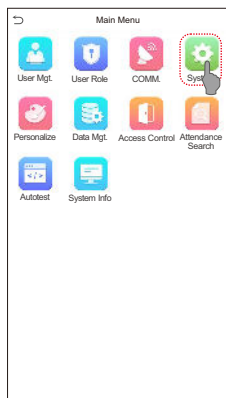
Recommended Palm Gestures ★
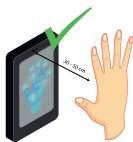
| KEEP EFFECTIVE DISTANCE OF 30-50 cm | KEEP SPACES BETWEEN YOUR FINGERS | DO NOT KEEP YOUR FINGERS CLOSE | DO NOT KEEP PALM OUTSIDE COLLECTION AREA | DO NOT KEEP YOUR FINGERS FOLD/CURLED |

Note:

1. Place your palm within **30-50 cm** of the device.

2. Place your palm in the palm collection area, such that the palm is placed parallel to the device.

3. Make sure to keep space between your fingers.

4. Please avoid direct sunlight when using the palm function outdoors. According to laboratory test, the palm recognition effect is best when the light intensity is not more than 10,000 lux.

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