Quick Start Guide

ProFace X (SL)

Version: 1.0

1 Overview

Proximity Sensor

Infrared Camera

Flash

RGB Camera

Near-infrared Flash

Dot Projector

8-inch Touchscreen

Tamper Switch

Speaker

Reset Button

12V	
12V	
GND	
GND	
GND	
RS232 { RXD1	
TXD1	
RS485 { 485B	
485A	
GND	
12V	

Wiegand { WD1	
Out WD0	
Wiegand { INWD1	
In INWD0	
GND	
12V	

+12V	Power
GND	
GND	Auxiliary
AUX	input
GND	Sensor
SEN	
GND	Exit
BUT	button
NO	
COM	Lock
NC	
AL-	Alarm
AL+	

Power interface

Network interface

2 Installation Environment

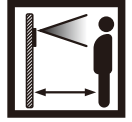Please refer to the following recommendations for installation.

KEEP DISTANCE

AVOID GLASS
REFRACTION


AVOID DIRECT
SUNLIGHT
AND EXPOSURE

KEEP EFFECTIVE
DISTANCE
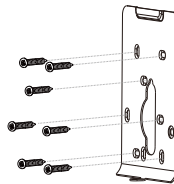0.3-2.5m

3 Device Installation

❖ Install on the wall

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

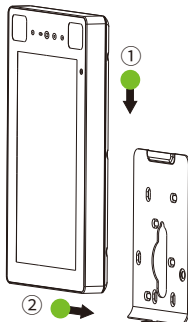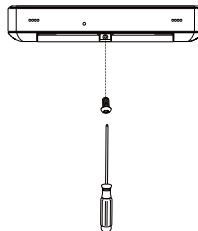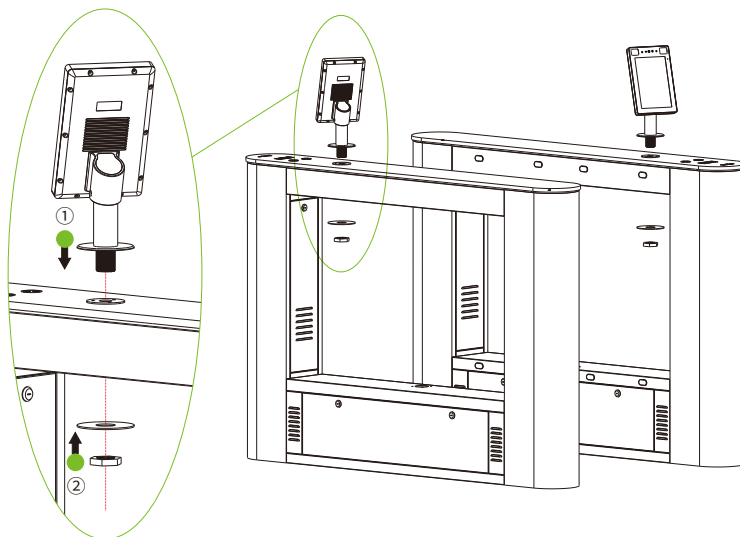

1.5m

❷

❸

❹
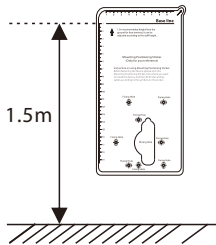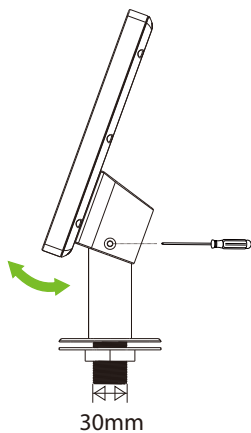
3 Device Installation

❖ Install on the barrier gate

Please thread the wire through the bracket before installation.

① Drill a hole on the barrier gate, insert the bracket into the hole and fix it with a nut.
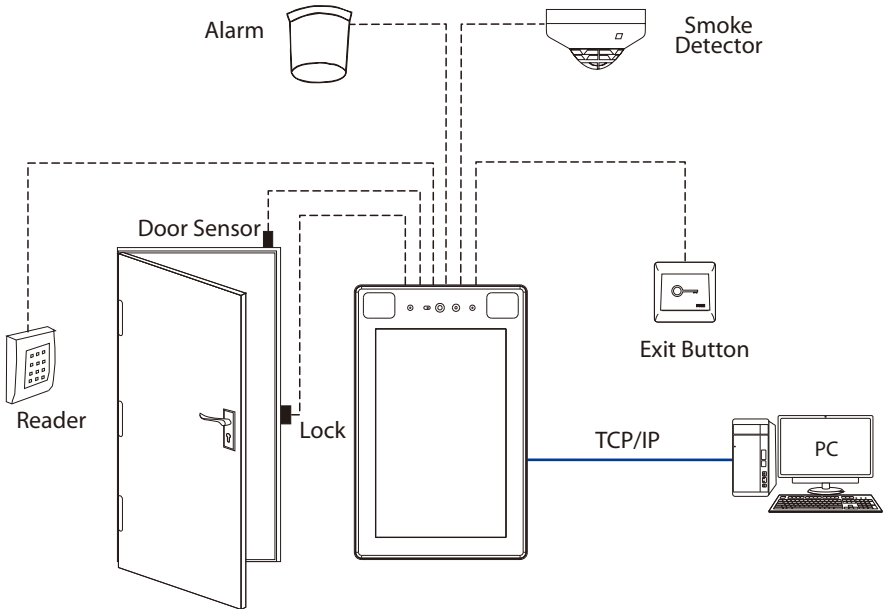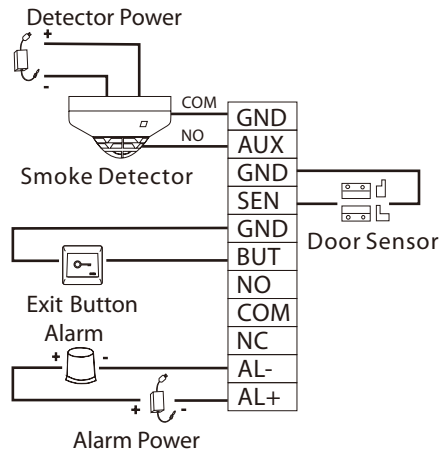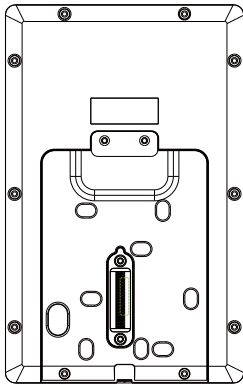
② Adjust the angle of the device.

❶

❷

30mm

4 Standalone Installation

Alarm

Smoke Detector

Door Sensor

Reader

Lock

Exit Button

TCP/IP

PC

5 Door Sensor, Exit Button & Alarm Connection

Detector Power

+
-

COM
NO

Smoke Detector

GND	
AUX	
GND	
SEN	
GND	
BUT	
NO	
COM	
NC	
AL-	
AL+	

Door Sensor

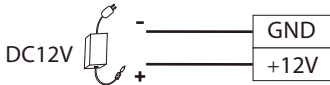Exit Button

Alarm
+ -

Alarm Power
+ -

6 Lock Relay Connection

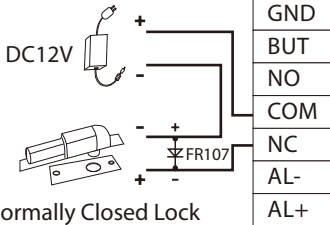The system supports **Normally Opened Lock** and **Normally Closed Lock**.
The **NO LOCK** (normally unlocked when power-on) is connected with '**NO**' and '**COM**' terminals, and
the **NC LOCK** (normally locked when power-on) is connected with '**NC**' and '**COM**' terminals.
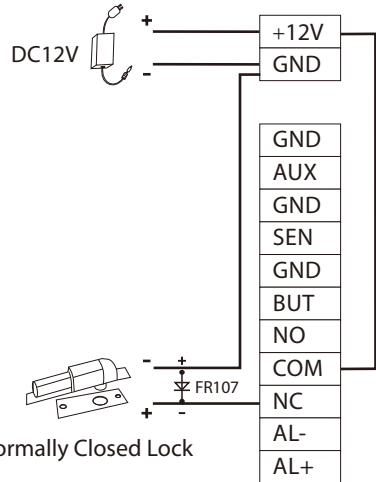Take NC Lock as an example below:

1) Device not sharing power with the lock

| DC12V | GND |
| | +12V |

⚠ Maximum 30V 3A input.

DC12V

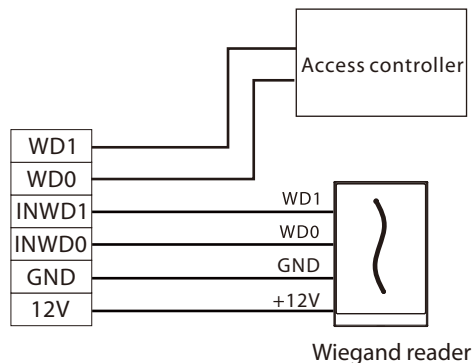| | GND |
	AUX
	GND
	SEN
	GND
	BUT
	NO
	COM
	NC
	AL-
	AL+

FR107

Normally Closed Lock

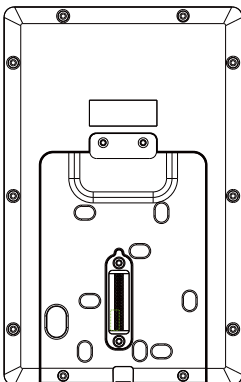⚠ Do not reverse the polarity.

2) Device sharing power with the lock

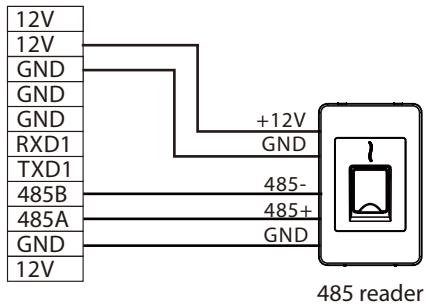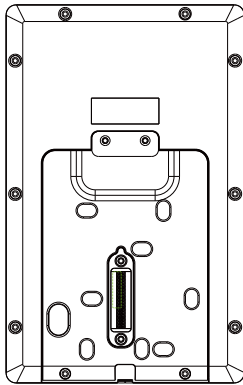| DC12V | +12V |
| | GND |

	GND
	AUX
	GND
	SEN
	GND
	BUT
	NO
	COM
	NC
	AL-
	AL+

FR107

Normally Closed Lock

7 Wiegand Reader Connection

Access controller

WD1	
WD0	
INWD1	WD1
INWD0	WD0
GND	GND
12V	+12V

Wiegand reader

8 Barrier Connection

12V		
12V		
GND		
GND		
GND		
RXD1		
TXD1		
485B		Barrier gate
485A		
GND		
12V		

9 RS485 Connection

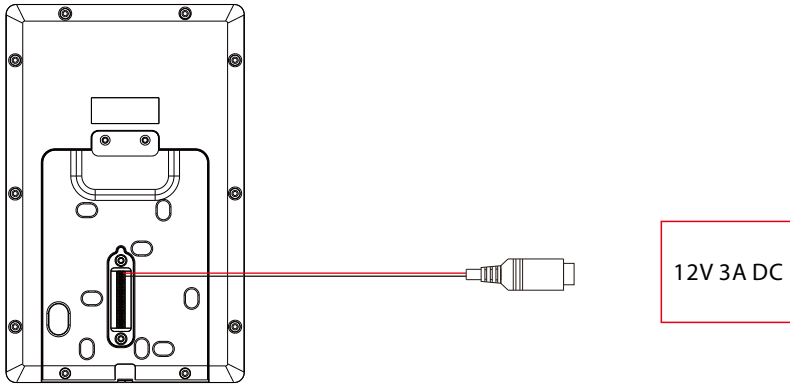|		
12V		
12V		
GND		
GND		
GND	+12V	
RXD1	GND	
TXD1		
485B	485-	
485A	485+	
GND	GND	
12V		
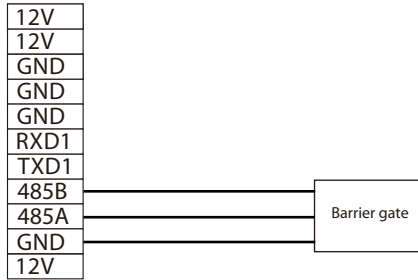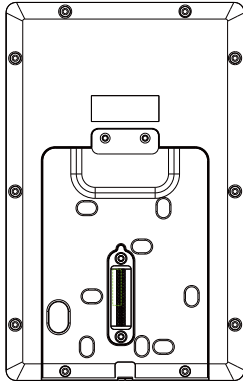
485 reader

Note: 485A and 485B can be connected to the Barrier gate or the 485 Reader, separately, but cannot be connected to the gate and reader at the same time.
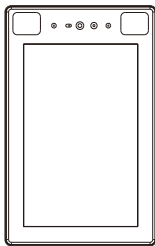
10 Power Connection

12V 3A DC

- Recommended power supply**:** 12V - 3A
- To share the power with other devices, use a power supply with higher current ratings.

11 Ethernet Connection

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

ZKBioSecurity

Default IP address: 192.168.1.201
Subnet mask: 255.255.255.0

IP address: 192.168.1.130
Subnet mask: 255.255.255.0

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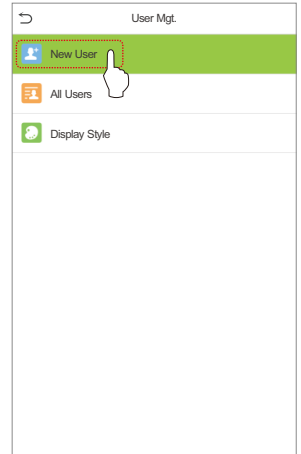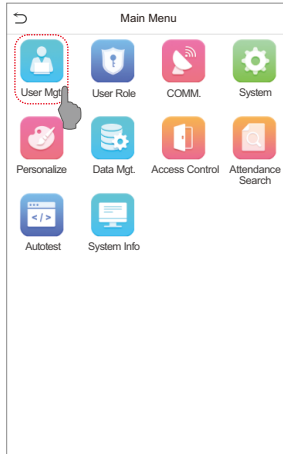
Click on [Comm.] > [Ethernet] > [IP Address], input the IP address and click on [OK].

12 User Registration

When there is no super administrator set in the device, click on ☰ to enter the menu. After setting the super administrator, the system will request for the administrator's verification before entering the menu. For the security purpose, it is recommended to register a super administrator at the first time you use the device.

Method1: Register on the device

Click on ☰ > **[User Mgt.]** > **[New User]** to register a new user. Settings include entering user ID and name, face, password and profile photo, setting user role and access control role.

Method2: Register on ZKBioSecurity 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 **ZKBioSecurity User Manual**.

Method 3: Register on the phone

Once ZKBioSecurity software installed, users could enroll face via 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.
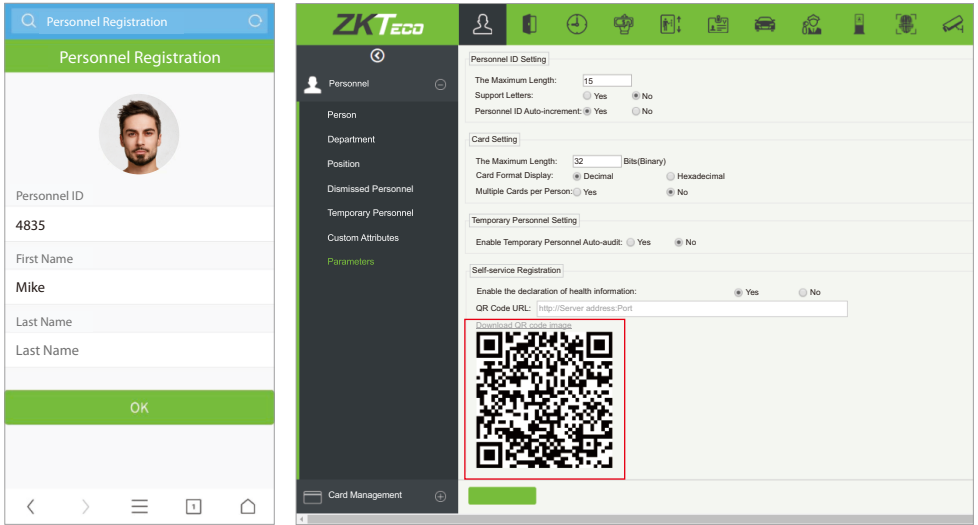
2. The users will be displayed in **[Personnel]** > **[Temporary Personnel]**, click **[Review]**.
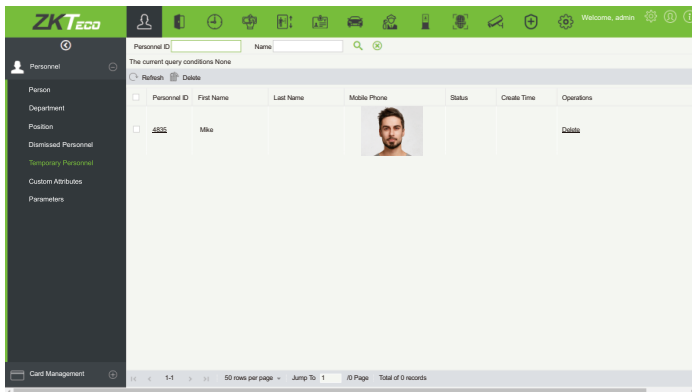
13 Access Control Settings

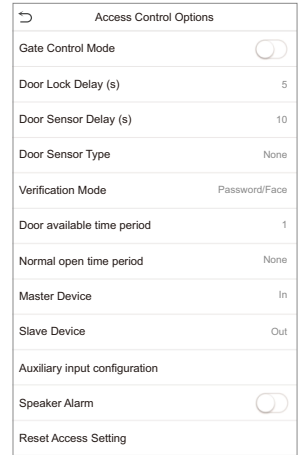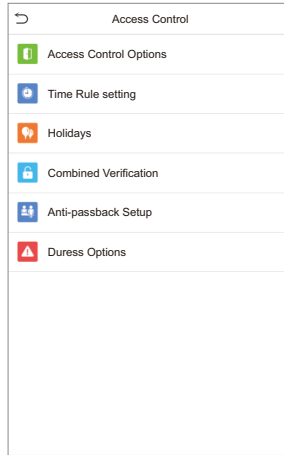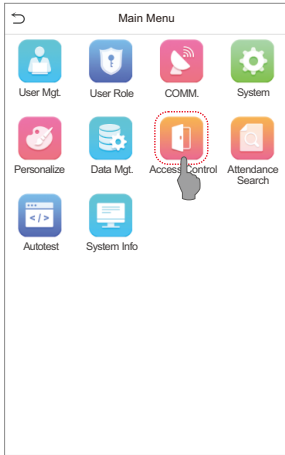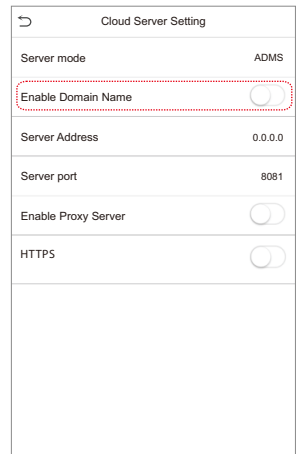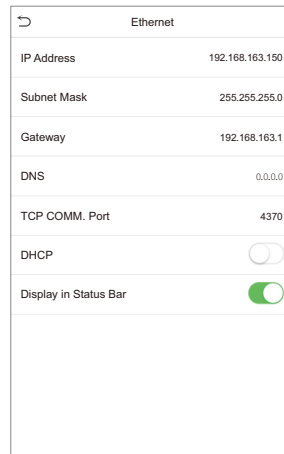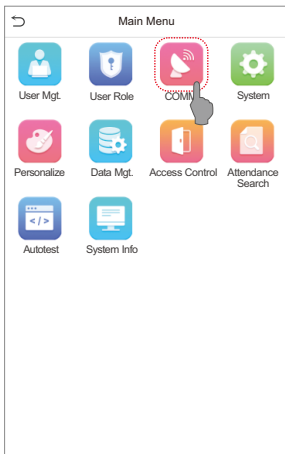Click on ☰ > [**Access Control**] to enter the access control management interface and set relevant parameters of access control.

Main Menu
User Mgt. · User Role · COMM. · System · Personalize · Data Mgt. · Access Control · Attendance Search · Autotest · System Info

Access Control
Access Control Options
Time Rule setting
Holidays
Combined Verification
Anti-passback Setup
Duress Options

Access Control Options	
Gate Control Mode	
Door Lock Delay (s)	5
Door Sensor Delay (s)	10
Door Sensor Type	None
Verification Mode	Password/Face
Door available time period	1
Normal open time period	None
Master Device	In
Slave Device	Out
Auxiliary input configuration	
Speaker Alarm	
Reset Access Setting	

14 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.

Main Menu
User Mgt. · User Role · COMM. · System · Personalize · Data Mgt. · Access Control · Attendance Search · Autotest · System Info

Ethernet	
IP Address	192.168.163.150
Subnet Mask	255.255.255.0
Gateway	192.168.163.1
DNS	0.0.0.0
TCP COMM. Port	4370
DHCP	
Display in Status Bar	

Cloud Server Setting	
Server mode	ADMS
Enable Domain Name	
Server Address	0.0.0.0
Server port	8081
Enable Proxy Server	
HTTPS	

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