ZKT*ECO*

Quick Start Guide

SpeedFace - V5L[TD]

Version: 1.0

Overview

Thermal infrared temperature measurement module

Flash

Camera & Palm collector

Microphone ★

5" touchscreen

Fingerprint sensor

Speaker   Reset

Magnetic tamper switch

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

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

Installation Environment

Please refer to the following recommendations for installation.
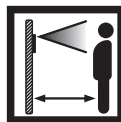

INDOOR USE

AVOID GLASS REFRACTION

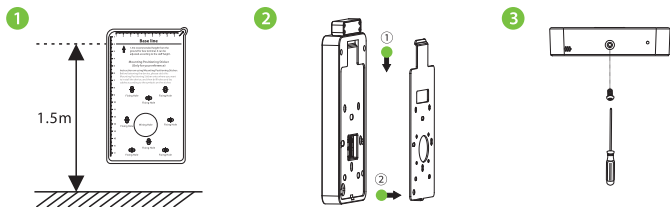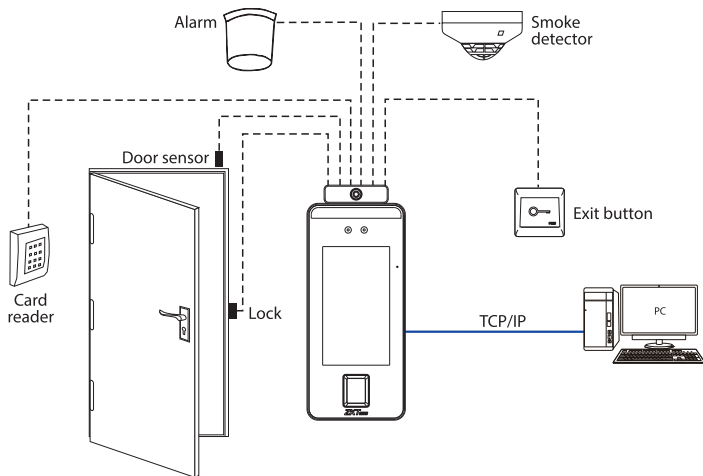AVOID DIRECT SUNLIGHT AND EXPOSURE

FAR AWAY HEAT SOURCE
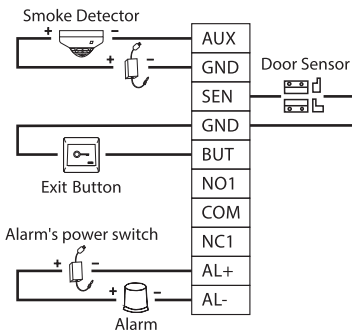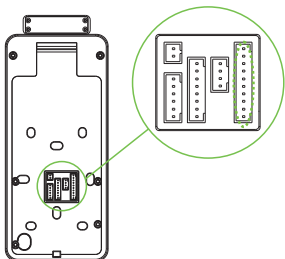
KEEP EFFECTIVE DISTANCE 0.3-2m

Device Installation

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.

Standalone Installation

Door Sensor, Exit Button & Alarm Connection
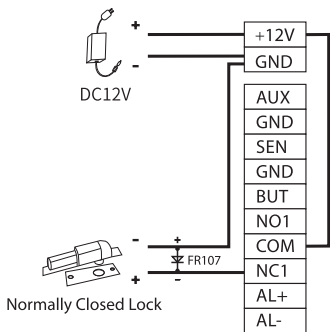

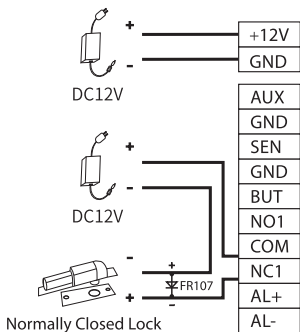|	
Smoke Detector	AUX
	GND — Door Sensor
	SEN
	GND
Exit Button	BUT
	NO1
	COM
	NC1
Alarm's power switch	AL+
Alarm	AL-

Lock Relay Connection

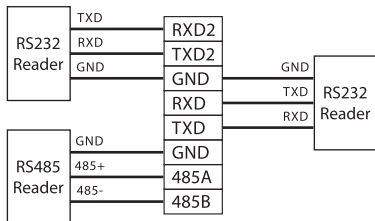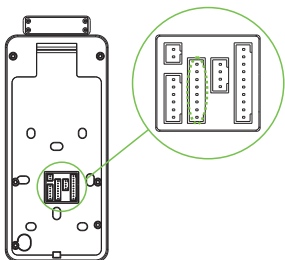The system supports Normally Opened Lock and Normally Closed Lock.
The NO LOCK (normally opened at power on) is connected with 'NO1' and 'COM' terminals, and the NC LOCK (normally closed at power on) is connected with 'NC1' and 'COM' terminals. Take NC Lock as an example below:
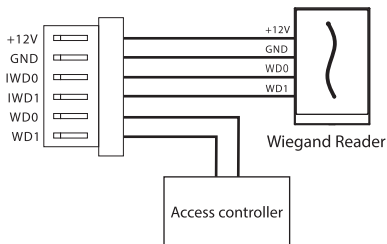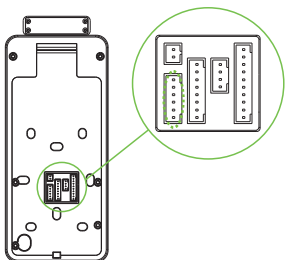
1) Device not sharing power with the lock

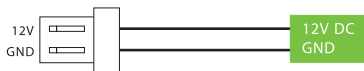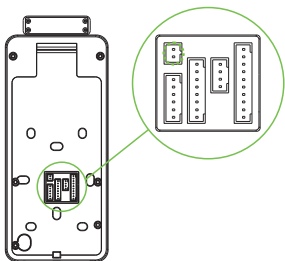2) Device sharing power with the lock

RS485 and RS232 Connection

RS232 Reader		RXD2		
	TXD	RXD2		
	RXD	TXD2		
	GND	GND	GND	RS232 Reader
		RXD	TXD	
		TXD	RXD	
RS485 Reader	GND	GND		
	485+	485A		
	485-	485B		

Wiegand Reader Connection

+12V
GND
IWD0
IWD1
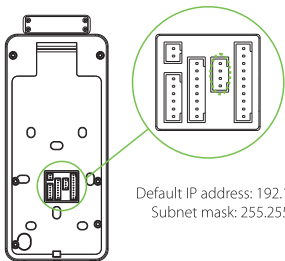WD0
WD1

+12V
GND
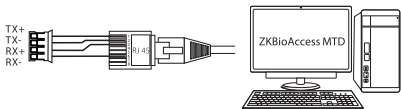WD0
WD1

Wiegand Reader

Access controller

Power Connection

Recommended power supply

1) 12V ± 10%, at least 3000mA.
2) To share the power with other devices, use a power supply with higher current ratings.

Ethernet Connection

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 [**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 MTD software.

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.

Method 1: Register on the device

Click on ☰ > [**User Mgt.**] > [**New User**] to register a new user. Settings include entering user ID and name, registering a palm, fingerprint, face, password, badge (optional) and user photo, setting user role.
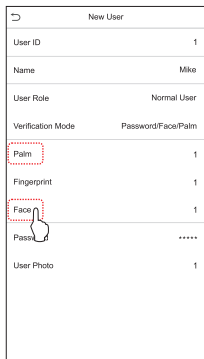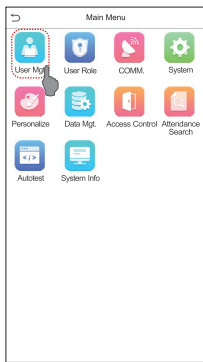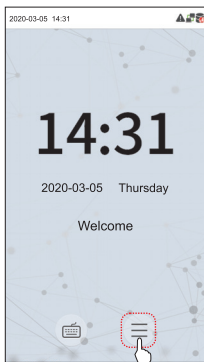
Method 2: Register on ZKBioAccess MTD software

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

1. Click [**Access**] > [**Access Device**] > [**Device**] > [**Search Device**] to add the device to the software. When the device has set the server address and port, it can be added automatically.


2. Click [**Personnel**] > [**Person**] > [**New**] to register users in the software.
3. Add users to access levels.
4. Click [**Access**] > [**Device**] > [**Device Control**] > [**Synchronize All Data to Devices**]. For more details, please refer to the ZKBioAccess MTD User Manual.

Method 3: Register on the phone

Once ZKBioAccess MTD 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 generates a QR code. Scan the QR code or login onto "http://Server address:Port/app/v1/adreg" by the mobile phone to register users.
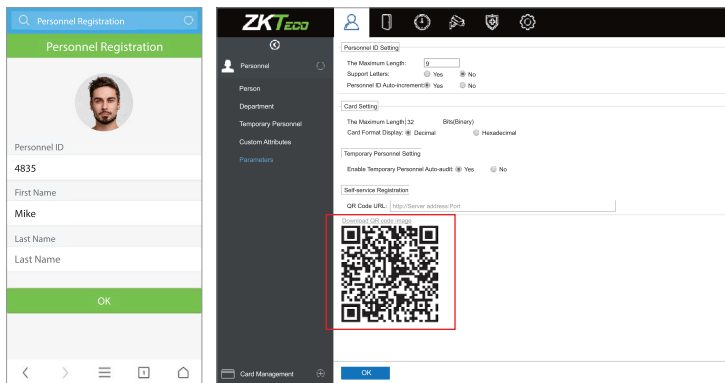

2. The users will display in [**Personnel**] > [**Temporary Personnel**], click [**Review**].
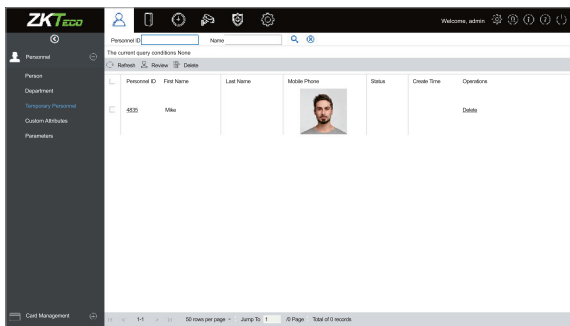
Ethernet and Cloud Server Settings

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.
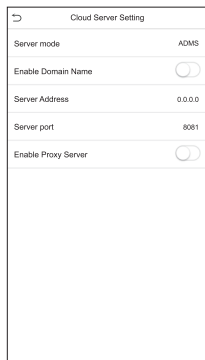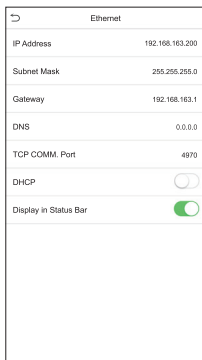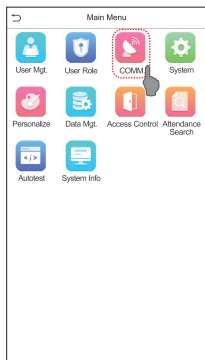
Access Control Settings

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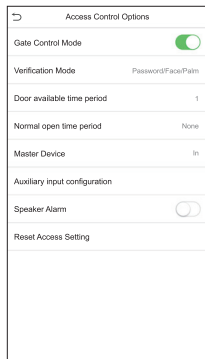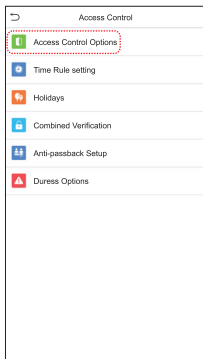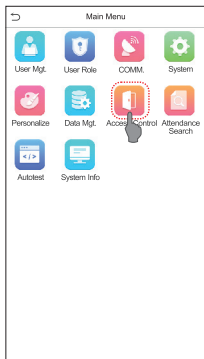
Records Query

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

Detection Management Settings

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

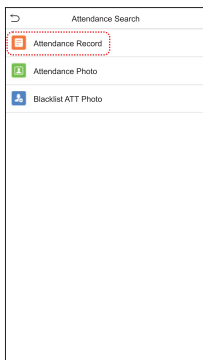1. You can set the value of **High temperature alarm threshold.** The device will send an alarm prompt when the temperature of the user detected exceeds this value.

2. When the **Temperature over the range; access denied** is enabled, the user will be forbidden to access, as shown in the following figure.

3. When the **Allow unregistered people to access** is enabled, optionally, set **Enable capture of unregistered person** to save the temperature data.
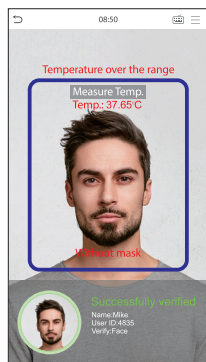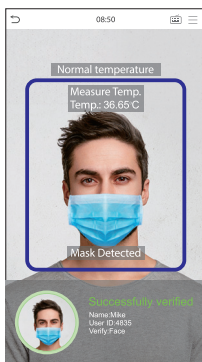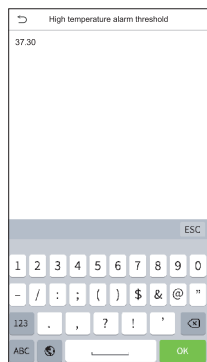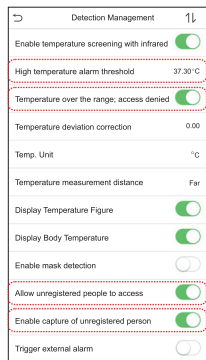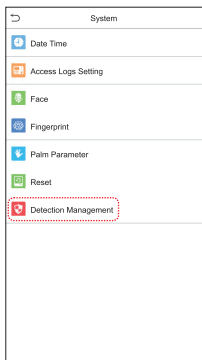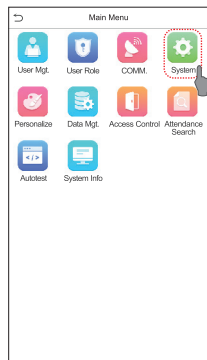
Notes:

1. The effective distance for temperature detection is within 50cm.
2. Recommended for indoor use.
3. Temperature measurement data is for reference only, not for medical use.
4. Remove the mask to register the face, wear a mask to recognize the face, the type of mask, the size of the face covered by the mask, and bangs will affect the facial recognition effect.
5. Facial verification for masked individuals will increase FAR. Palm verification for masked individuals is recommended.

Effective distance

Effective distance:

- ◄····► Temperature: 30-50cm
- ◄····► Palm: 30-50cm
- ◄····► Face: 0.3-2m
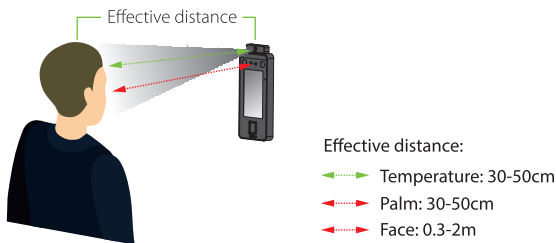
Real-time monitoring on the ZKBioAccess MTD software

Once ZKBioAccess MTD software installed, users could perform epidemic management on browser.

1. Please set the IP address and cloud service server address on the device and add the device to the software.
2. Click [**Temperature Detection**] > [**Temperature Management**] > [**Real-time monitoring**] to view all the events include the Abnormal Temperature, No Masks and Normal Records.

    When the **Temperature setting** has set, the user data of abnormal body temperature will be displeyed on the abnormal temperature information bar automatically.

3. Click [**Temperature Management**] > [**Statistics Panel**] to view the analysis of statistical data and view the personnels with normal temperature.

As shown in the following figure.
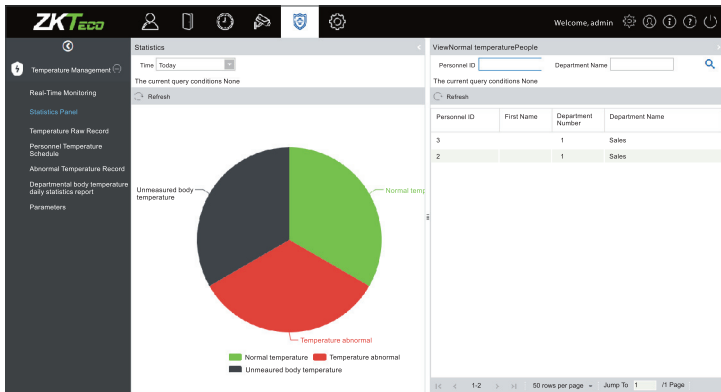
For more details, please refer to the ZKBioAccess MTD User Manual.

Note for Palm Registration and Verification

Notes:

1. Place your palm within **30-50cm** 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.

FCC

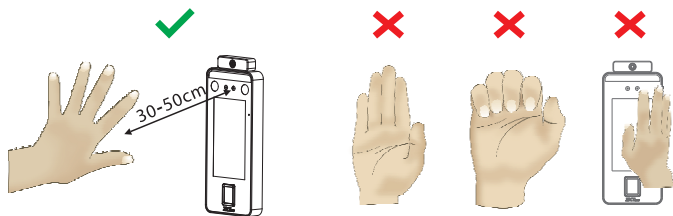This device complies with part 15 of the FCC Rules.Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with theinstructions, may cause harmfulinterference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on,

the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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