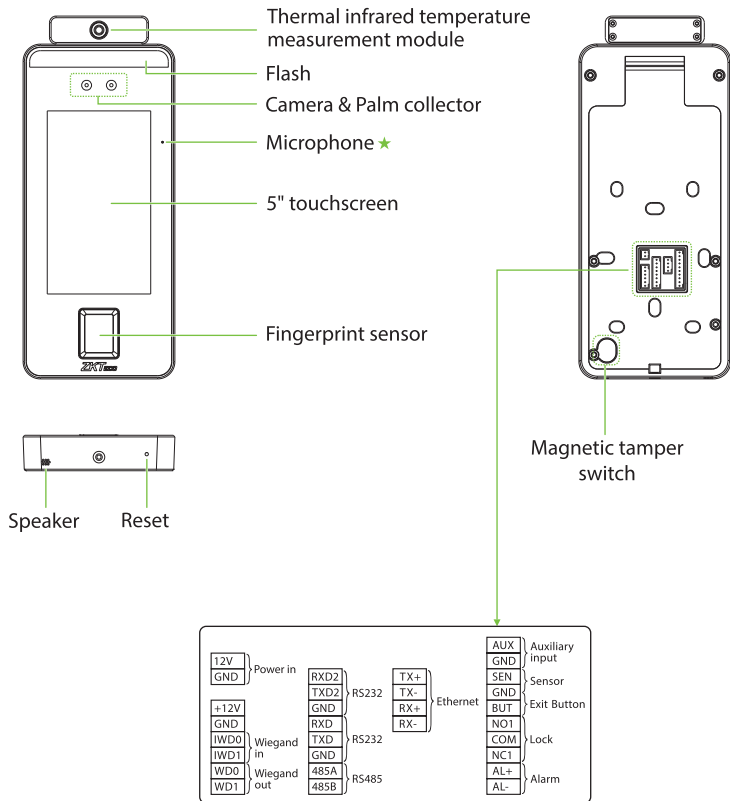


Quick Start Guide

5-inch TD Version Terminal

Version: 1.0

Overview



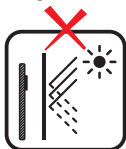
Note: Not all products have the function marked with ★, the real product shall prevail.

Installation Environment

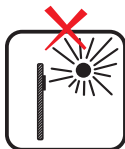
Please refer to the following recommendations for installation.



INSTALL INDOORS
ONLY



AVOID INSTALLATION
NEAR
GLASS WINDOWS

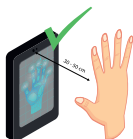


AVOID DIRECT
SUNLIGHT
AND EXPOSURE



AVOID USE OF ANY
HEAT SOURCE
NEAR THE DEVICE

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

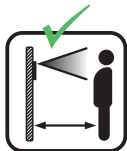


DO NOT KEEP
YOUR FINGERS
FOLD/CURLED

Note:

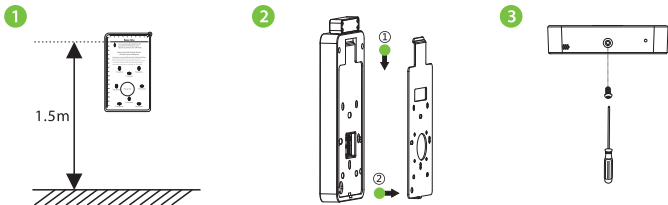
1. Place your palm within **30-50 cm** of the device.
2. Place your palm in the palm collection area, such that the palm is placed parallel to the device.
3. Make sure to keep space between your fingers.

Recommended Standing Position



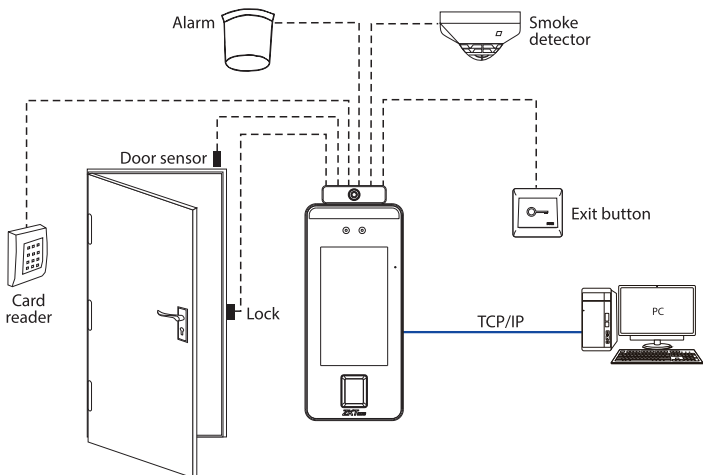
KEEP EFFECTIVE
DISTANCE OF
0.3-2m

Device Installation

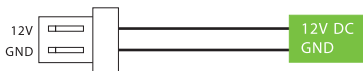
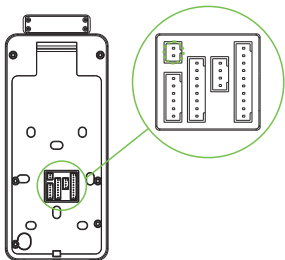


- ① Attach the mounting template sticker to the wall, and drill holes according to the mounting paper. Fix the back plate on the wall using wall mounting screws.
- ② Attach the device to the back plate.
- ③ Fasten the device to the back plate with a security screw.

Standalone Installation



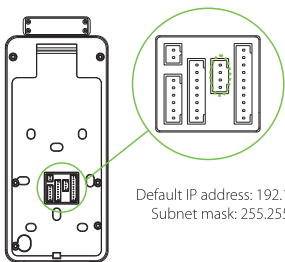
Power Connection



Recommended power supply

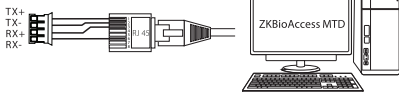
- 1) $12V \pm 10\%$, at least 3000mA.
- 2) To share the power with other devices, use a power supply with higher current ratings.

Ethernet Connection



Default IP address: 192.168.1.201
Subnet mask: 255.255.255.0

TX+
TX-
RX+
RX-



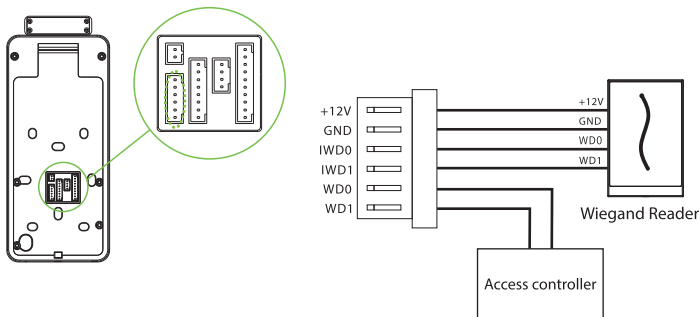
IP address: 192.168.1.130
Subnet mask: 255.255.255.0

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.

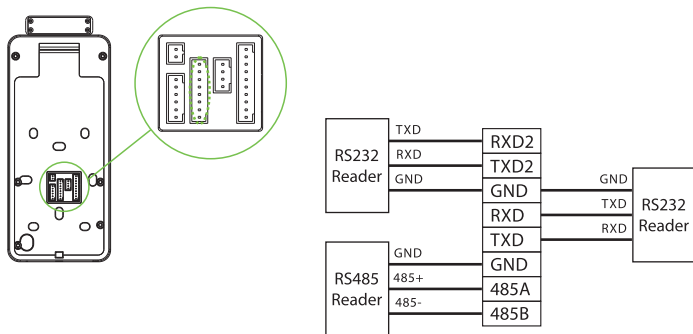
Wiegand Reader Connection

Wiegand card reader connects to the top 4 pins of the wiegand terminal and the last two pins are used by the Access controller, as shown in the following figure. It sends the credentials to the device via wiegand communication.

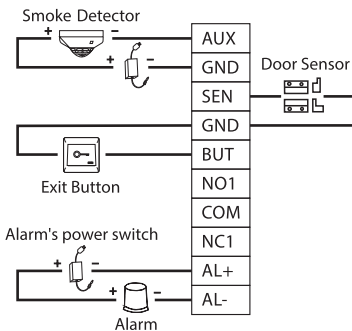
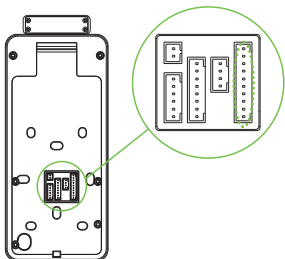


RS485 and RS232 Connection

The RS485 and the RS232 lets user connect to multiple readers to the device. Two RS232 and one RS485 can be connected to the terminal, as shown in the figure below.



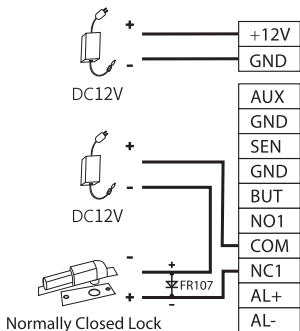
Door Sensor, Exit Button & Alarm Connection



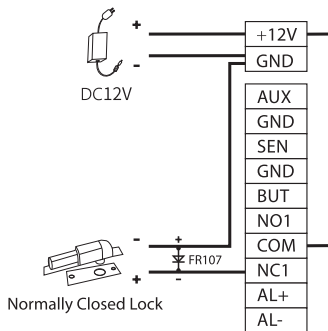
Lock Relay Connection

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



2) Device sharing power with the lock

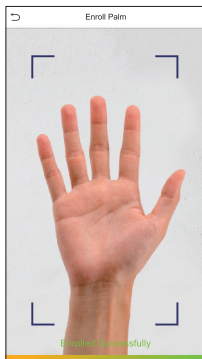
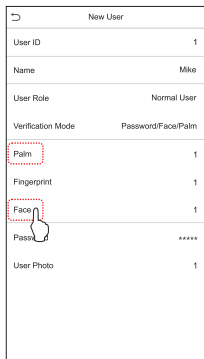
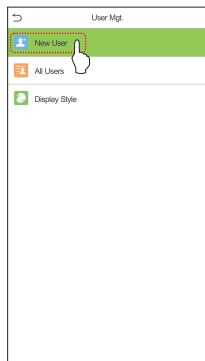
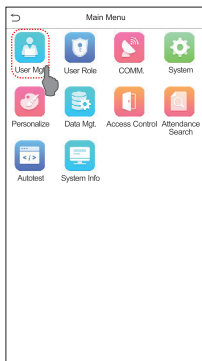
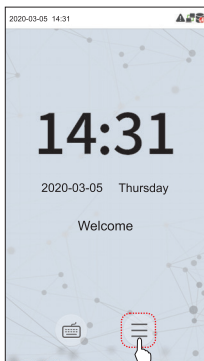


User Registration

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: Register 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 Palm, Fingerprint, Face, Password, Card (optional), and adding User Photo.



Method 2: Register on ZKBioAccess MTD 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.

The screenshot shows the 'Search Device' window in the ZKBioAccess MTD software. The window title is 'Search Device' and it contains a search bar, a progress bar, and a table of searched devices. The progress bar is at 100%. The table has columns for IP Address, MAC Address, Subnet Mask, Gateway Address, Serial Number, Device Type, Set Server, and Operation. The first row shows IP Address: 192.168.213.79, MAC Address: 255.255.255.0, Subnet Mask: 192.168.213.1, and Device Type: ProSignature. The 'Operation' column has an 'Add' button. A dialog box titled 'Add' is open in the foreground, with fields for Device Name (192.168.213.79), Icon Type (Door), Area (Area Name), and Add to Level. The 'Add' button in the dialog is highlighted. A warning message at the bottom of the dialog states: '[Clear Data in the Device when Adding] will delete data in the device(except event record), please use with caution!'. The 'OK' button in the dialog is highlighted.

Step 1: Search Device

Step 2: Total Progress: 100%

Step 3: Add

Step 4: Add

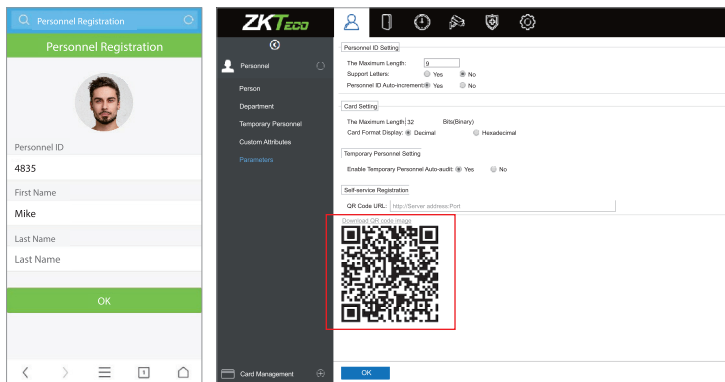
2. Click **[Add]** in operation column, a new window will pop-up. Select Icon type, Area, and Add to Level from each dropdowns and click **[OK]** to add the device.
3. Click **[Personnel]** > **[Person]** > **[New]** and fill in all the required fields to register a new users in the software.
4. Click **[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 MTD User Manual.

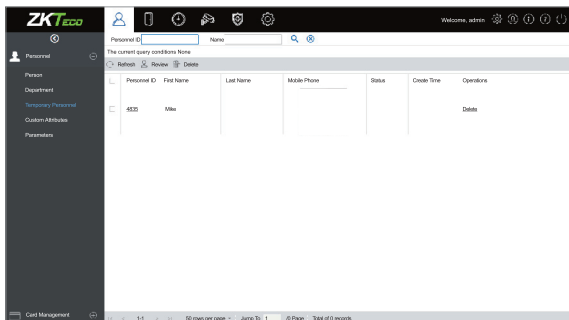
Method 3: Register on the phone

Once the ZKBioAccess MTD 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.





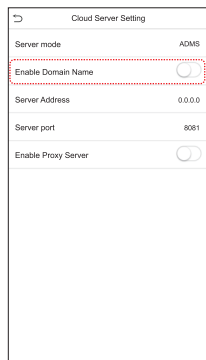
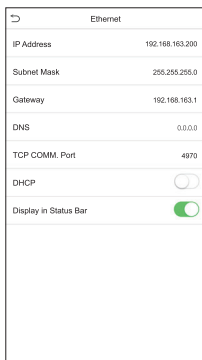
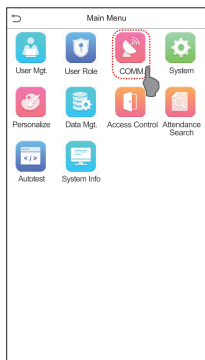
2. The users will be displayed in **[Personnel]** > **[Temporary Personnel]**, click on **[Review]** option and assign a department and click **[OK]** to successfully add the user.



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.



Note:

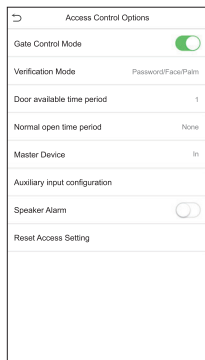
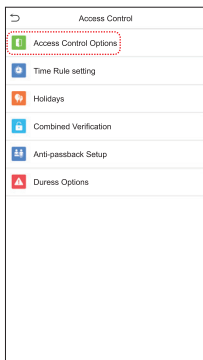
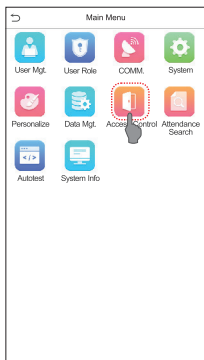
While pairing the device with ZKBioAccess MTD software. Make sure that the option **Enable Domain Name** is disabled and the correct server address and port are entered.

Server address: Set as the IP address of the ZKBioAccess MTD server.

Server port: Set as the service port of ZKBioAccess MTD (the default is 8088).

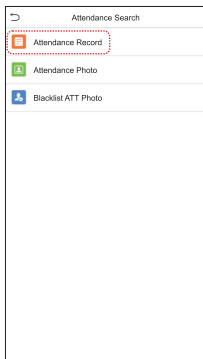
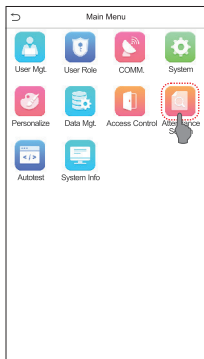
Access Control Setting

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



Attendance Record

Click on ☰ > [Attendance 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.



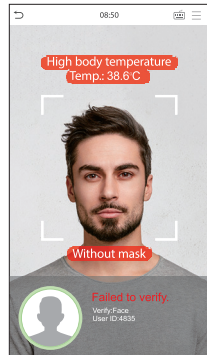
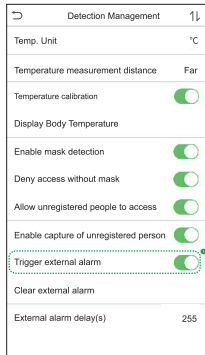
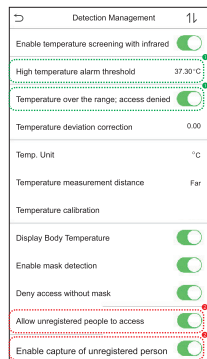
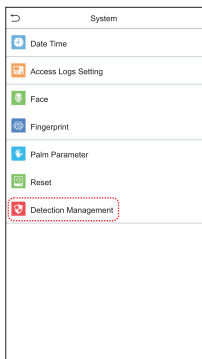
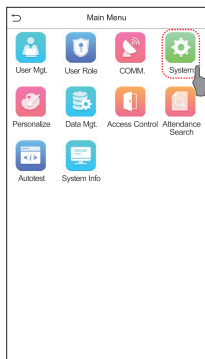
Personal Record Search

Date	User ID	Access records
03-03		Number of Records:04
	4	11:25
	2	11:25 11:22
	3	11:25
03-04		Number of Records:04
	1	11:29
	3	11:29 11:21
	2	11:28
	4	11:26
03-05		Number of Records:04
	1	11:27
	4	11:27
	3	11:27
	2	11:27

Detection Management Settings

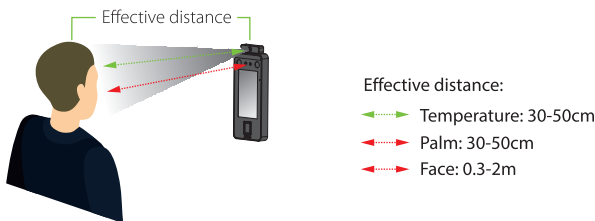
Click on  > [System] > [Detection Management] to enter the setting interface.

- 1 You can set the value of **High temperature alarm threshold**, and enable the **Temperature over the range; access denied** and the **Trigger external alarm**, the device will send an alarm prompt when the temperature of the user detected exceeds the set value, and the user will be forbidden to access. You can also enable **Mask detection** the same.
- 2 When the **Allow unregistered people to access** is enabled, you can also set **Enable capture of unregistered person** to save the temperature data.



Precautions

1. The effective distance for temperature detection is within 30-50 cm for palm and 0.3-2m for face.
2. It is recommended for indoor use only.
3. The temperature measurement data is for reference only, and not for medical use.
4. Remove the mask while registering the face, and wear the mask while recognizing the face. The type of mask and the size of the face covered by the mask will affect the facial recognition process.
5. Facial verification for masked individuals may increase FAR, thus Palm verification for masked individuals is recommended.



Real-time monitoring on the ZKBioAccess MTD software

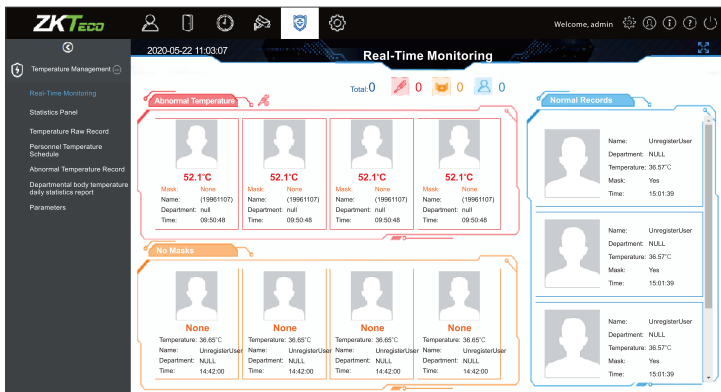
Once the ZKBioAccess MTD software is installed, users can perform several monitoring operations:

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

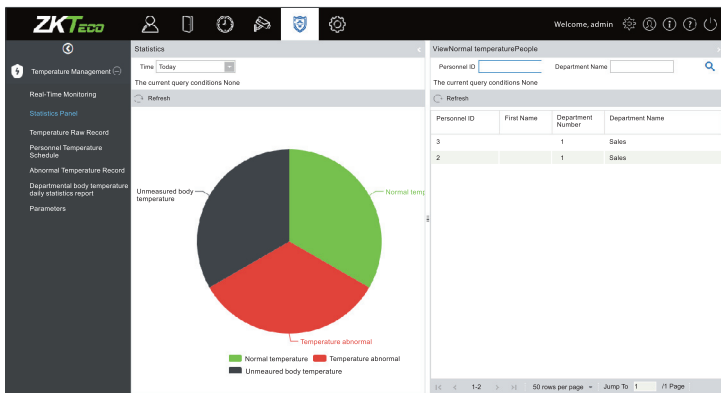
The user data of abnormal body temperature is displayed on the Abnormal Temperature information bar automatically according to the **Temperature Threshold Setting** is set.

3. Click **[Temperature Management]** > **[Statistics Panel]** to view the analysis of statistical data in the form of a pie-chart and view the personnel with normal temperature, abnormal temperature, and unmeasured body temperature. Also, detailed information of the personnel can be seen on the right by clicking on the particular category on the pie-chart.

Real-Time Monitoring



Statistics Panel



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

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