

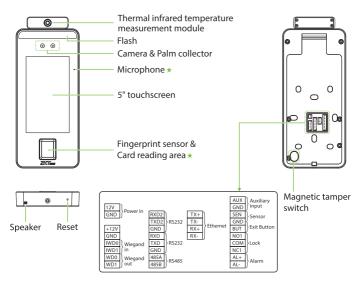
# **Quick Start Guide**

### SF1005-V+

Version: 1.0

Due to regular upgrades of systems and products, ZKTeco could not guarantee exact consistency between the actual product and the written information in this manual.

### **Overview**



Note: Not all products have the function with  $\star$ , 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



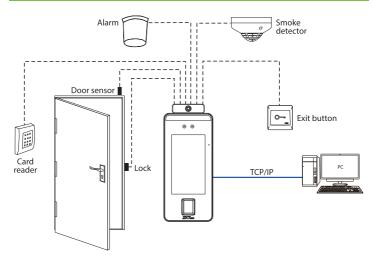
KEEP EFFECTIVE DISTANCE 20-50cm

### **Device Installation**



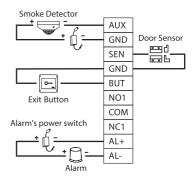
- ① Attach the mounting template sticker to the wall, and drill holes according to the mounting paper. Fix the back plate on the wall using wall mounting screws.
- 2 Attach the device to the back plate.
- ③ Fasten the device to the back plate with a security screw.

### **Standalone Installation**



### Door Sensor, Exit Button & Alarm Connection

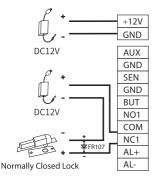


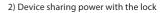


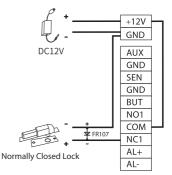
### Lock Relay Connection

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:

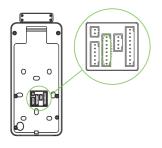






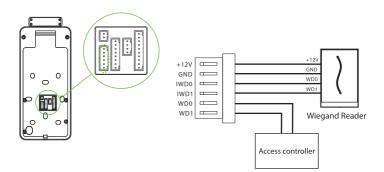


### RS485 and RS232 Connection

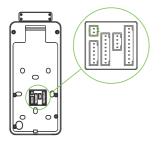


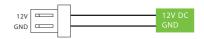
	TXD	DVDD	1	
RS232	RXD	RXD2		
Reader	GND	TXD2	GND	
		GND	TXD	RS232
	I	RXD		Reader
	1	TXD	RXD	Reduer
	GND	GND		
RS485	485+	485A		
Reader	485-	485B		

### Wiegand Reader Connection



### **Power Connection**

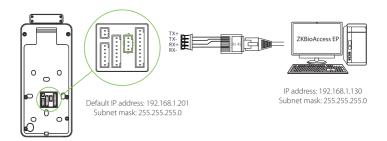




#### Recommended power supply

- 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**



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 EP software.

### **User Registration**

When there is no super administrator set in the device, click on  $\equiv$  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  $\equiv$  > [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 EP 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.

🕞 Refresh 📑	New 👚 Delete	Export	Q Search Device 🔒		🛞 Set up 👻	Q View and Get [	Device Info 🤘 👳 Communica	dion -
			Step	0 1 sarch Device				× mware Version
Search		? Download Se	arch Tools to Local LISK	_				
Total Progress	Step 2	100%		Searched devices co	unt:1			
IP Address		Device Typ	e	Serial Number		8	(c)	
IP Address	MAC Address	Subnet M		Serial Number	Device Type	Set Server	operation Step 3	
192.168.213.79		255.255.25	5.0 192.168.213.1	tesco es esco	PelapteralX		Add	
								_
					Add		3	×
			Device Name*		19	2.168.213.79		
			Icon Type*		Do	or		
A The current	it system communica	ation nort is R	Area*		An	ea Name	-	
	i oyucin connenie		Add to Level					····
			Clear Data in the D	evice when Addi	ng 🔲			
I< < 0	> >) 50 r	rows per pag	(Clear Data in record), pleas	the Device when e use with cautio	Adding) will n!	delete data in th	e device (except event	•
					Step	o 4]		
				ОК		Cancel		-
						Gancer		

2. Click [Personnel] > [Person] > [New] to register users in the software.

3. Add users to access levels.

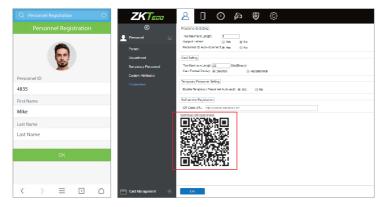
4. Click [Access] > [Device] > [Device Control] > [Synchronize All Data to Devices].

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

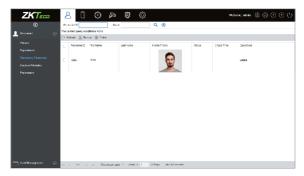
#### Method 3: Register on the phone

Once ZKBioAccess EP 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  $\equiv$  > [**COMM**.] > [**Ethernet**] to set the network parameters. If the TCP/IP communication of the device is successful, the icon  $\blacksquare$  will be displayed in the upper right corner of the standby interface.

Click on  $\equiv$  > [**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  $\cong$  will be displayed in the upper right corner of the standby interface.

5	Mair	Menu	
User Mgt.	User Role	COMM	System
Personalize	Data Mgt.	Access Control	Attendance Search
Autotest	System Info		

⇒ Etherne	et
IP Address	192.168.163.200
Subnet Mask	255.255.255.0
Gateway	192.168.163.1
DNS	0.0.0.0
TCP COMM. Port	4970
DHCP	$\bigcirc$
Display in Status Bar	

Cloud Server Setting	
Server mode	ADMS
Enable Domain Name	$\bigcirc$
Server Address	0.0.0.0
Server port	8081
Enable Proxy Server	$\bigcirc$

### **Access Control Settings**

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

5	Main Menu		cess Control Options
	😰 😒 🔯	Gate Control Options	e 💽
User Mgt.	User Role COMM. System	Time Rule setting Verification Mode	Password/Face/Palm
8		Polidays Door available tim	ne period 1
Personalize	Data Mgt. Acces Control Attendance Search	G Combined Verification Normal open time	e period None
		4 Anti-passback Setup Mester Device	In
Autolest	System Info	Duress Options Auxiliary input oo	nfiguration
		Speaker Alarm	$\bigcirc$
		Reset Access Se	tting

### **Records Query**

Click on  $\equiv$  > [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.

Ð	Main I	Menu	
User Mgt.	User Role	COMM	System
Personalize	Data Mgt.	Access Contro	
Autotest	System Info		
	0,000,000		

5	Attendance Search
	Attendance Record
٤	Attendance Photo
*	Blacklist ATT Photo

		Personal Record Search		
	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  $\equiv$  > [System] > [Detection Management] to enter the detection management interface. 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. When the Temperature over the range; access denied is enabled, the user will be forbidden to access, as shown in the following figure.

5 Main Menu	⇒ System	Detection Management
	Date Time	Enable temperature screening with infrared
User Mgt. User Role COMM. System	Access Logs Setting	High temperature alarm threshold
	Face	Low temperature alarm threshold
Personalize Data Mgt. Access Control Attendant Search	e 🚳 Fingerprint	Temperature over the range; access denied
📼 💻	Palm Parameter	Temperature deviation correction
Autotest System Info	Reset	Temp. Unit
	Detection Management	Enable mask detection
		Deny access without mask
High temperature alarm threshold	5 08:50	⇒ 08:50
37.30	Normal temperature Measure Temp Bease 68 00 Measure Temp Bease Measure Temp Bease Measure Temp Measure Temp M	Temperature over the rang Measure Temp Temp: 37.65 C
ES		

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1 2 3 4 5 7 8 9 0

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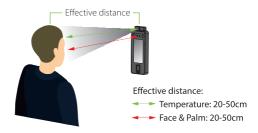


37.30 0.00

0.00 ۰C 

#### 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.



### Real-time monitoring on the ZKBioAccess EP software

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

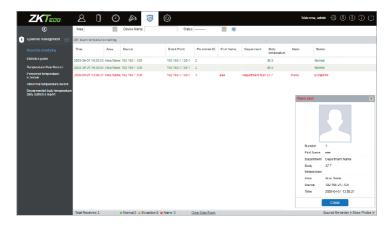
Please set the IP address and cloud service server address on the device and add the device to the software.

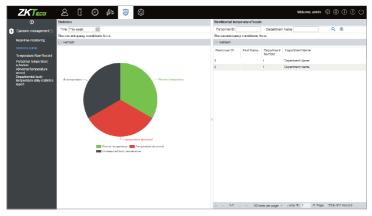
1. Click [**Prevention**] > [**Epidemic**] > [**Real-time monitoring**] to view all the events include the user whose temperature is over the range.

When the **Alarm temperature setting** has set, the abnormal body temperature will be marked red automatically.

2. Click [Epidemic] > [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 User Manual.

### Note for Palm Registration and Verification



#### Notes:

- 1. Place your palm within 20-50cm 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.



www.TURNSTILES.us | patrick.mcallister@TURNSTILES.us | 303-670-1099