

# **Quick Start Guide**

### 4-inch Visible Light Terminal

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



### **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.
- 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.
- 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**



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 samenetwork segment when connecting to ZKBioSecurity software.

# **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





NC

2) Device sharing power with the lock



# Door Sensor, Exit Button & Alarm Connection





## 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** Connection

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





### **User Registration**

When there is no super administrator set in the device, click on  $\equiv$  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  $\equiv$  > [User Mgt.] > [New User] to register a new user. The options include entering the user ID and Name, setting User Role, registering Palm, Face, Card Number, Password and adding User Photo.



c	New User
User ID	1
Name	Mike
User Role	Normal User
Palm	1
Face	1
Card Number	1
Password	
User Photo	1
Access Control Rol	e









### 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.

 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.

🕞 Refresh 📑 New 🕋 Delete 📑 Er	xport 🔍 Search Device 🖳 D	evice Control * 🛞 Set up 🔹 🔘	View and Get Device I	info * 🗶 Communication	*
	Step 1	Search Device			× mware Version
Search No device found? Down	load Search Tools to Local Disk				
Total Progress Step 2	Search	ed devices count:1			
IP Address Dev	ice Type	Serial Number	8		
IP Address MAC Address Sub	net Mask Gateway Address	Serial Number Device Type	Set Server	Operatio Step 3	
192.168.213.79 255.3	255.255.0 192.168.213.1	Kangler GG010000	(	Add	
		Add		×	
	Device Name *	192.168.	.213.79		
	Icon Type *	Door	•		
	Area *	Area Nar	me 🔽		
A The current systen communication po	Add to Level				
	Clear Data in the Device	when Adding			
IC C 0 >>1 50 rows per	[Clear Data in the record), please us	Device when Adding] will de e with caution!	lete data in the dev	vice(except event	,
		Step 4			
		OK Car	ncel		

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

 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.



 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  $\equiv$  > [COMM.] > [Ethernet] to set the network parameters. If the TCP/IP communication of the device is successful, the icon f 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.

þ	Main	Menu		5	Ethernet
	U		Ø	IP Address	192.168.163.200
User Mgt.	User Role	COMM	System	Subnet Mask	255.255.255.0
3	5		1	Gateway	192.168.163.1
Personalize	Data Mgt.	Access Control	USB Manager	DNS	0.0.0.0
	12			TCP COMM. Port	4970
Attendance Search	Autotest	System Info		DHCP	
				Display in Status Ba	r 🜔

### Note:

While pairing the device with ZKBioSecurity 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 ZKBioSecurity server. Server Port: Set as the service port of ZKBioSecurity (the default is 8088).

### **Access Control Setting**

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



Ç	Access Control
E	Access Control Options
٥	Time Rule setting
90	Holidays
ê	Combined Verification
69	Anti-passback Setup
۸	Duress Options

Access Control	Options
Gate Control Mode	
Verification Mode	Password/Face/Palm
Door available time period	1
Normal open time period	None
Master Device	In
Slave Device	Out
Auxiliary input configuration	
Verify mode by RS485	Card Only
Speaker Alarm	
Reset Access Setting	

# **Attendance Record**

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

5	Main	Menu	
User Mgt.	User Role	COMM	System
Personalize Attendance Sparch	Data Mgt.	Access Control	USB Manager

⇒	Attendance Search
	Event Logs
	Attendance Phot
30	Blocklist ATT Photo

-		
Date	Userilu	lime
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

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