





# SIP OUTDOOR PANEL ADMIN GUIDE

Applicable Models: TC-5000d-XL4, TC-5000D-XL5, TC-5000D-20B, TC-5000D-20F

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## **About This Manual**

Thank you for choosing Taichuan TC-5000d-XL4, TC-5000D-XL5,TC-5000D-20B, TC-5000D-20F outdoor panel. This manual is intended for the administrators who need to properly configure the outdoor panel. This manual provides all the configurations for the functions and features of the TC-5000d-XL4, TC-5000D-XL5,TC-5000D-20B,TC-5000D-20F outdoor panel. Please visit the Taichuan website or consult technical support for any new information or the latest firmware.

# **Related Documentation**

You are advised to refer to the related documents for more technical information via the link below: <u>http://Support-Zhuhai Taichuan Cloud Technology Co., LTD.</u>

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# **1. Product Overview**



TC-5000d-XL4, TC-5000D-XL5,TC-5000D-20B,TC-5000D-20F are an Android based with a smooth touch-screen outdoor panels. It can be connected with Taichuan indoor monitor for audio/video communication, unlocking, and monitoring. Residents can communicate with visitors via audio/video call, and it supports unlocking the door remotely. It is more convenient and safer for residents to check the visitor's identity through its video preview function. TC-5000d-XL4, TC-5000D-XL5,TC-5000D-20B,TC-5000D-20F are often applied to scenarios such as villas, apartments, and buildings.



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# **2. Model Difference**

Model	TC-5000D-XL4	TC-5000D-XL5	TC-5000D-20B	TC-5000D-20F	
Image					
Housing	Aluminum	Aluminum	Aluminum	Aluminum	
Material					
OS	Android 7.1	Android 7.1	Android 7.1	Android 7.1	
СРЦ	2Cortex-A72	2Cortex-A72	2Cortex-A72	2Cortex-A72	
	+4Cortex-A53	+4Cortex-A53	+4Cortex-A53	+4Cortex-A53	
Display	8 Inch IPS LCD	8 Inch IPS LCD	10 Inch IPS LCD	10 Inch IPS LCD	
Resolution	800 x 1280	800 x 1280	800 x 1280	800 x 1280	
	CMOS 2MP Camera	CMOS 2MP Camera	CMOS 2MP Camera	CMOS 2MP Camera	
Camera	+Infrared detection	+Infrared detection	+Infrared detection	+Infrared detection	
	camera camera camera		camera	camera	
Wi-Fi	IEEE802.11 b/g/n	IEEE802.11 b/g/n	IEEE802.11 b/g/n	IEEE802.11 b/g/n	
	1xRJ45,	1xRJ45,	1xRJ45,	1xRJ45,	
Ethernet	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps	
	adaptive	adaptive	adaptive	adaptive	
SIP	Optional	Optional	Optional	Optional	
Power Supply	DC12V/1.5A	DC12V/1.5A	DC12V/1.5A	DC12V/1.5A	
POE	Optional	Optional	802.3af/at Power-over Ethernet	802.3af/at Power-over Ethernet	
Open button	1	1	1	1	
Relay Output	1	1	1	1	
RS485	1	1	1	1	
TF card	Max to 32G	Max to 32G	Max to 32G	Max to 32G	
Installation	Wall/Flush Install	Wall/Flush Install	Wall/Flush Install	Wall/Flush Install	
Operation	-10°C~	-10°C~	-10°C~	-10°C~	
Temperature	+55°C	+55°C	+55°C	+55°C	
Operation	10~90%	10~90%	10~90%	10~90%	
Humidity	20 30/3		20 30/3	20 30/3	
Dimensions (W x H x D)	158*303*34mm	140.5*284.6*32mm	392*173*33mm	170*297mm	



# 3. Interface







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## 4. Data Center

Data Center is the software which to install on your PC for the management of SIP account and user data.

Note: you need to finish all the settings to go to the main menu of the device.

HomeWi	ndow						– 🗆 🗙
	SÎP	Password	IP Addr.	Port	Create Time	Update Time	
Home	101	101	10.0.4.197	5060	5/31/2022 3:31:06 PM	5/31/2022 3:31:53 PM	
	102	102	10.0.4.197	5060	5/31/2022 3:31:06 PM	5/31/2022 3:34:05 PM	
Data	103	103	10.0.4.197	5060	5/31/2022 3:31:06 PM	5/31/2022 3:31:06 PM	
	104	104	10.0.4.197	5060	5/31/2022 3:31:06 PM	5/31/2022 3:31:06 PM	
Function	105	105	10.0.4. <mark>1</mark> 97	5060	5/31/2022 3:31:06 PM	5/31/2022 3:31:06 PM	
	106	106	10.0.4.197	5060	5/31/2022 3:31:06 PM	5/31/2022 3:31:06 PM	Add
Settings	107	107	10.0.4.197	5060	5/31/2022 3:31:07 PM	5/31/2022 3:31:07 PM	
	108	108	10.0.4.197	5060	5/31/2022 3:31:07 PM	5/31/2022 3:31:07 PM	Clear
	109	109	10.0.4.197	5060	5/31/2022 3:31:07 PM	5/31/2022 3:31:07 PM	
	110	110	10.0.4.197	5060	5/31/2022 3:31:07 PM	5/31/2022 3:31:07 PM	Import
	111	111	10.0.4.197	5060	5/31/2022 3:31:07 PM	5/31/2022 3:31:07 PM	import
	112	112	10.0.4.197	5060	5/31/2022 3:31:07 PM	5/31/2022 3:31:07 PM	
	113	113	10.0.4.197	5060	5/31/2022 3:31:07 PM	5/31/2022 3:31:07 PM	
	114	114	10.0.4.197	5060	5/31/2022 3:31:07 PM	5/31/2022 3:31:07 PM	
	115	115	10.0.4.197	5060	5/31/2022 3:31:07 PM	5/31/2022 3:31:07 PM	
	116	116	10.0.4.197	5060	5/31/2022 3:31:07 PM	5/31/2022 3:31:07 PM	

#### HomeWindow

Home	Outdoor	User	IcCard	FaceData		
				N	lew DoorMachine	
Data	NO.	Sip N	lumber	Device Name	Create Time	Update Time
	1	101		1building	5/31/2022 3:31:53 PM	6/9/2022 5:14:22 PM
Function						
Settings						



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#### 4.1. Account Settings

Use the template(excel file) to input all the user data: SIP account, password, port and IP.

1	Α	В	С	D
1	number	password	port	ip
2	haiwai168	tc123	5060	sip.linphone.org
3	haiwai169	tc123	5060	sip.linphone.org
4				
5				
6				
7				
8				
9				
10				
1.0				

#### Import the template to the **Data Center**.





#### 4.2. Add Door Machine

Add outdoor panel, name the outdoor panel, select the assigned SIP account for this device.

HomeV	Vindow						×
U	Outdoor	User	IcCard	FaceData			
Home				Nev	v DoorMachine		
Data	NO.	Sip N	lumber	Device Name	Create Time	Update Time	
Function							
Settings							
			New C	Dutdoor		×	
				New Outo	loor Panel		
				Panel Nam	ne		
				Sip Account		•	
				C	c :		
				Con	Inim		



#### 4.3. Add New User

Add user for the outdoor panel.



### New User

UserName	<	 User name
Password	<	 Password for unlock
Address	<	 User address
PhoneNumber	<	 User phone number
Admin	<b></b>	Admin no need to assign SIP account,
Sip Account	*	Admin can unlock all
		the outdoor panels.
Outdoor panel	*	

Confrim



#### 4.4. Add IC Card

Add IC card to unlock the door.

- 1. You need a card reader connecting to the PC to get the card number.
- 2. If you don't set the date, the card won't expire.
- 3. Must bind a user for each card.

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#### 4.5. Add Face

Add face for recognition to unlock the door.

- 1. You need a camera connecting to the PC to take photo for the face recognition.
- 2. If you don't set the date, the card won't expire.
- 3. Must bind a user for each face.

AddFaceImageDialog			- 0	×
		Add Face Dat	a	
		Face Image		
		Expire date		
		Select User	•	
TakePhoto	Cancel	Confrim		



#### 4.6. Control Function

You can remote reboot or unlock the door on **Data Center**(must be at the same network)

🐯 HomeV	Vindow								- 🗆 ×
	NO.	Address	DeviceNo	Model	OnLine	MacAddress	Func	tion	Outdoor Panel Background Image
Home	1	1building			offline		Reboot	Unlock	
Data									$\sim$
- anotion									Select Image Publish
Settings									АРК
									Android App Name Select Apk Publish

#### 4.7. Publish Advertisement

To publish advertisement on outdoor panel, on **Data Center**, choose the outdoor panel, select image and click publish. The image should be horizontal by 16:9.

#### 4.8. Install APK

To install APK on outdoor panel, on **Data Center**, choose the outdoor panel, select apk file and click publish.

#### 4.9. Settings

Setting function is on the way...



# **5. Setting on Device**

After you set all the data on Data Center, you can do the configuration on outdoor panel.

The device will search for the center server automatically after power on, and the server address will display at the bottom.

Note: if the server address is not displayed, please try to close the firewall on your PC.



Choose the binding outdoor panel, it will login to SIP account automatically and jump to the home page.

Note: you need to set all the data on **Data Center - Data(user, IC card, Face data)** to jump to the home page.



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# 6. Abbreviations

ACS: Auto Configuration Server AEC: Configurable Acoustic and Line Echo Cancelers ACD: Automatic Call Distribution Autop: Automatical Provisioning **AES:** Advanced Encryption Standard BLF: Busy Lamp Field COM: Common **CPE:** Customer Premise Equipment CWMR: CPE WAN Management Protocol **DTMF:** Dual Tone Multi-Frequency DHCP: Dynamic Host Configuration Protocol **DNS:** Domain Name System **DND:** Do Not Disturb DNS-SRV: Service record in the Domain Name System FTP: File Transfer Protocol **GND:** Ground HTTP: Hypertext Transfer Protocol HTTPS: Hypertext Transfer Protocol Secure Socket Layer **IP:** Internet Protocol **ID:** Identification **IR:** Infrared LCD: Liquid Crystal Display LED: Light Emitting Diode



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MAX: Maximum **POE:** Power Over Ethernet PCMA: Pulse Code Modulation A-Law PCMU: Pulse Code Modulation µ-Law PCAP: Packet Capture PNP: Plug and Play **RFID:** Radio Frequency Identification **RTR:** Real-time Transport Protocol **RTSP:** Real Time Streaming Protocol MPEG: Moving Picture Experts Group **MWI:** Message Waiting Indicator NO: Normal Opened NC: Normal Connected **NTP:** Network Time Protocol NAT: Network Address Translation **NVR:** Network Video Recorder **ONVIF:** Open Network Video Interface Forum **SIP:** Session Initiation Protocol **SNMP:** Simple Network Management Protocol STUN: Session Traversal Utilities for NAT **SNMP:** Simple Mail Transfer Protocol SDMC: SIP Devices Management Center TR069: Technical Report069 **TCP:** Transmission Control Protocol TLS: Transport Layer Security TFTR: Trivial File Transfer Protocol **UDP:** User Datagram Protocol **URL:** Uniform Resource Locator VLAN: Virtual Local Area Network WG: Wiegand

# 7. FAQ

Q1: Do Taichuan devices support Onvif protocol?

A1: For now, only Taichuan indoor monitors support Onvif protocol. Door phone and outdoor panel not supports.

Q2:What operation system of TC-5000 series? A2:TC-5000 outdoor panels are based on Android 7.1.

Q3:Can I install apps at Taichuan outdoor panels? A3:No, you can not. Apps only available on Taichuan indoor monitors.

Q4:Can I connect electrical lock to outdoor panels? A4:Yes.Taichuan outdoor panels have relay component to the electrical lock.

# 8. Contact US

For more information about the product, please visit us at www.taichuan.com or feel free to contact us by

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We highly appreciate your feedback about our products

