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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: <http://Support-Zhuhai Taichuan Cloud Technology Co., LTD.>

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1. Product Overview



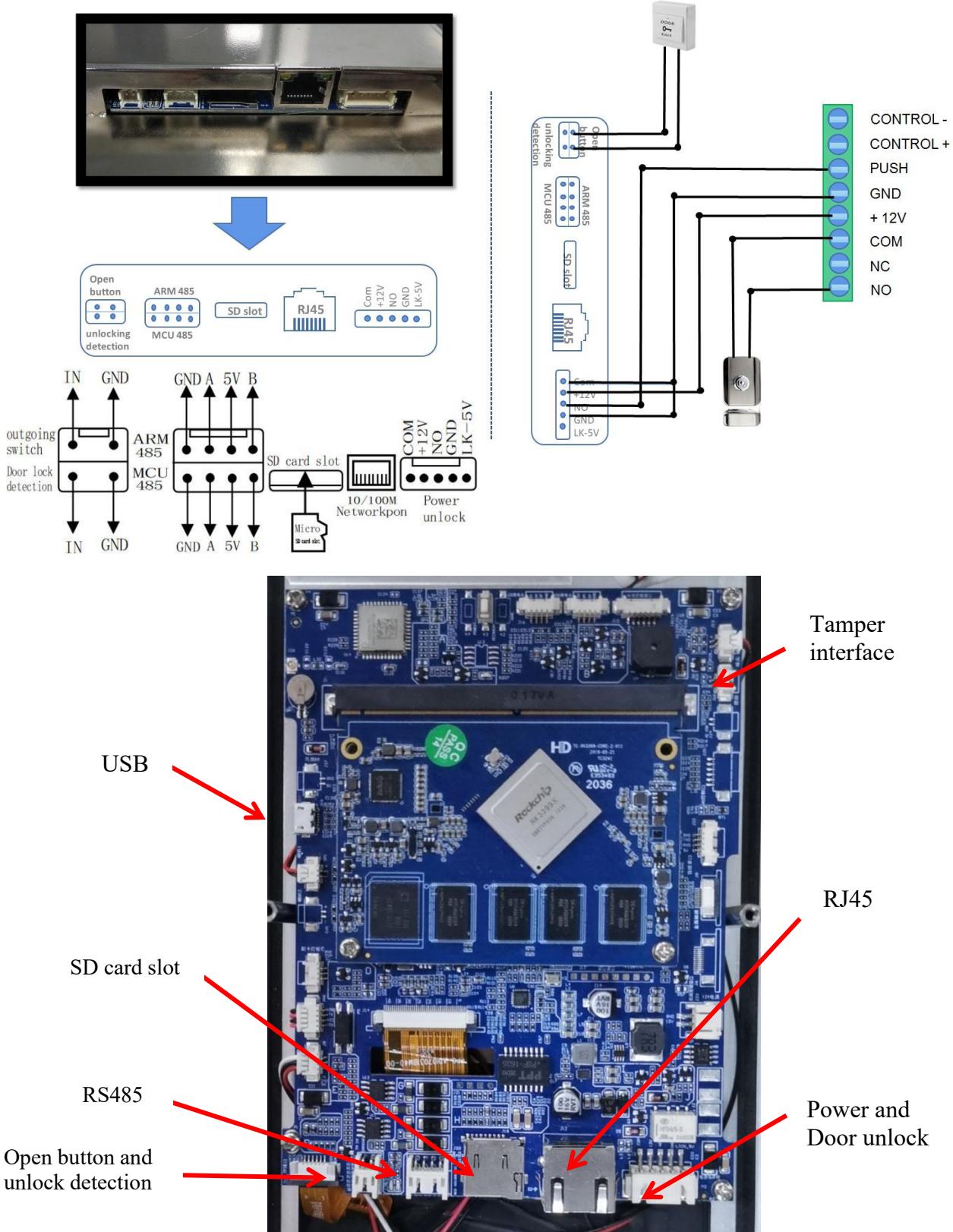
TC-5000d-XL4, TC-5000D-XL5, TC-5000D-20B, TC-5000D-20F are an Android based with a smooth touch-screen outdoor panels. It can be connected with Taichuan indoor monitor for audio/video communication, unlocking, and monitoring. Residents can communicate with visitors via audio/video call, and it supports 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.



2. Model Difference

Model	TC-5000D-XL4	TC-5000D-XL5	TC-5000D-20B	TC-5000D-20F
Image				
Housing Material	Aluminum	Aluminum	Aluminum	Aluminum
OS	Android 7.1	Android 7.1	Android 7.1	Android 7.1
CPU	2Cortex-A72 +4Cortex-A53	2Cortex-A72 +4Cortex-A53	2Cortex-A72 +4Cortex-A53	2Cortex-A72 +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
Camera	CMOS 2MP Camera +Infrared detection camera			
Wi-Fi	IEEE802.11 b/g/n	IEEE802.11 b/g/n	IEEE802.11 b/g/n	IEEE802.11 b/g/n
Ethernet	1xRJ45, 10/100Mbps adaptive	1xRJ45, 10/100Mbps adaptive	1xRJ45, 10/100Mbps adaptive	1xRJ45, 10/100Mbps 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 Temperature	-10°C~ +55°C	-10°C~ +55°C	-10°C~ +55°C	-10°C~ +55°C
Operation Humidity	10~90%	10~90%	10~90%	10~90%
Dimensions (W x H x D)	158*303*34mm	140.5*284.6*32mm	392*173*33mm	170*297mm

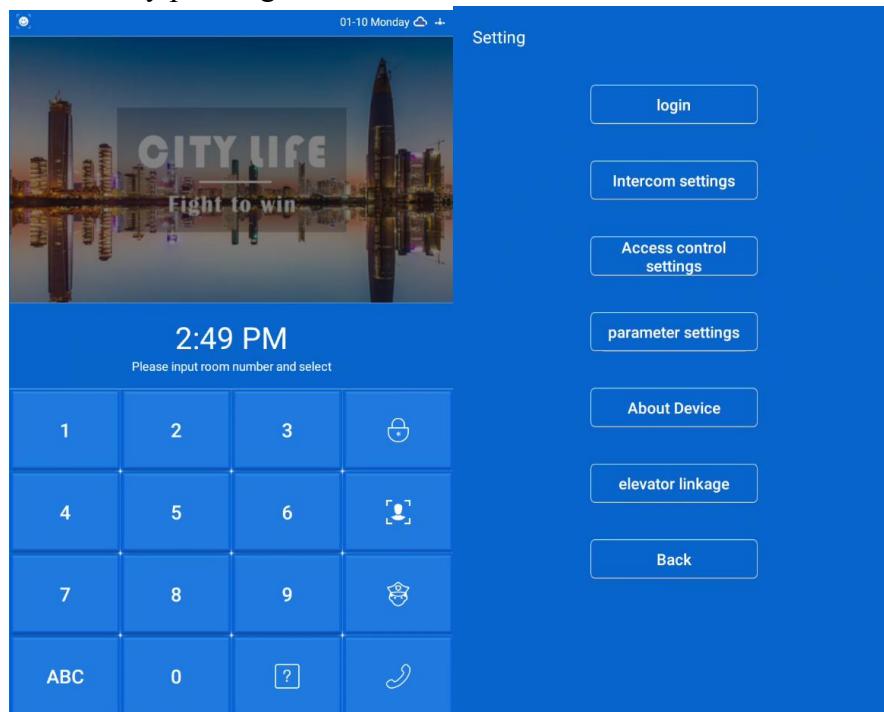
3. Interface





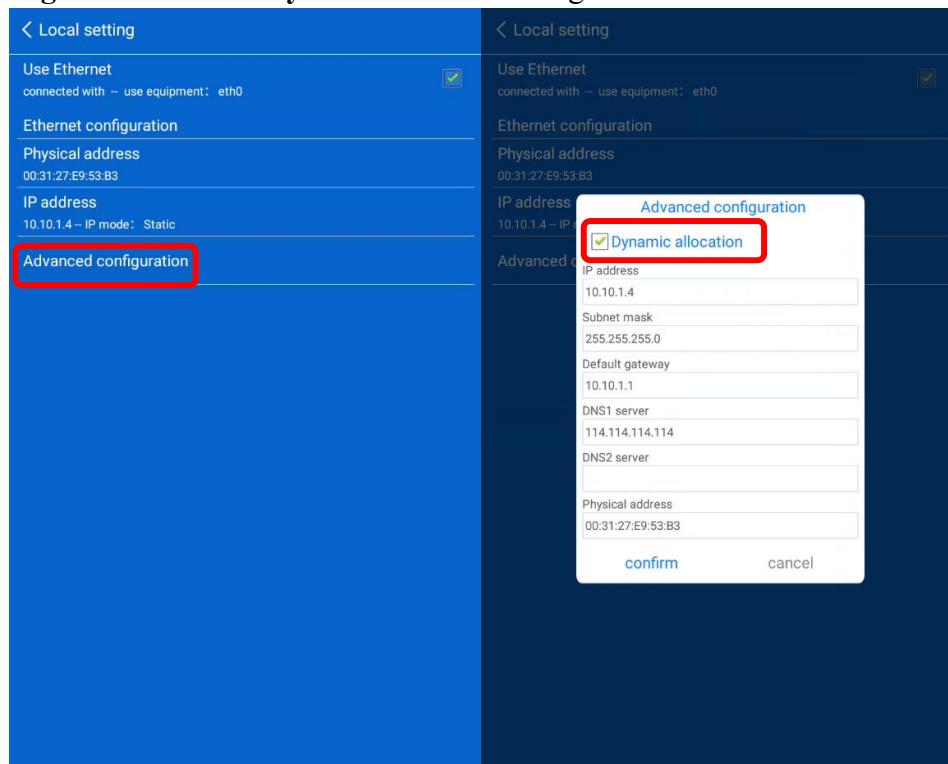
4. Engineer Settings

You can access the engineer mode where you can configure different types of functions as needed. To access the engineer mode by pressing 159357.



4.1. IP address Setting

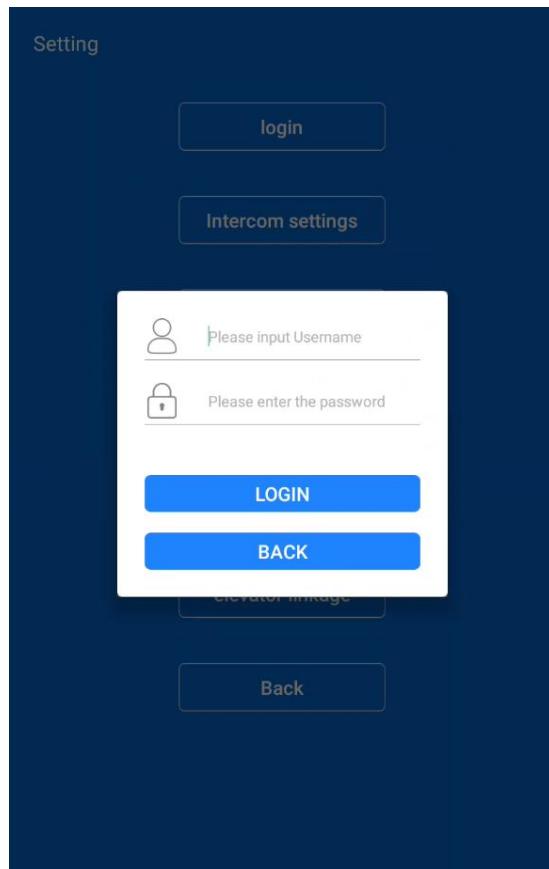
Ethernet is for intercom network only. To set IP address on device **Intercom settings>Local setting>Advanced configuration**. Check **Dynamic allocation** to get IP address.





4.2. Account Login

To communicate with TC-5000 indoor monitor, you need to download the data from Web Management Center. To download the data, please login on device. The account and password is what you set on Web Management Center.



• Outdoor panel ×

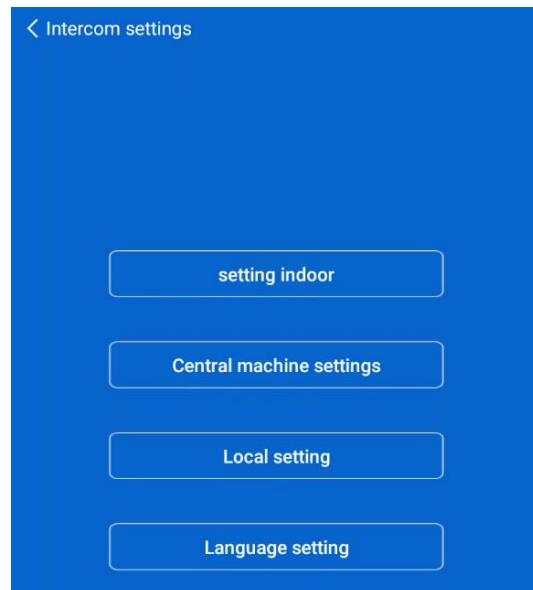
Newly added door phone / Return

Basic information

* Structure	Select the structure	[1building]
* Device name	1building	(The '1building' field is highlighted with a red box)
* Login account	Please enter a set a login account for outdoor panel	
* Login password	Please enter set a login password for outdoor panel	
LAN Intercom IP	IP address is within the scope of previous setting	
Device ID		



4.3. Intercom Settings



4.3.1 Setting Indoor

To setting indoor on device **Intercom settings>setting indoor**

Note: Please note that this setting is for local setting only, after you login, the data will be covered by the data set on Web Management Center.

< setting indoor			
Address	Calling no.	IP address	Operation
10.10.1.3	1101	10.10.1.3	
Add			

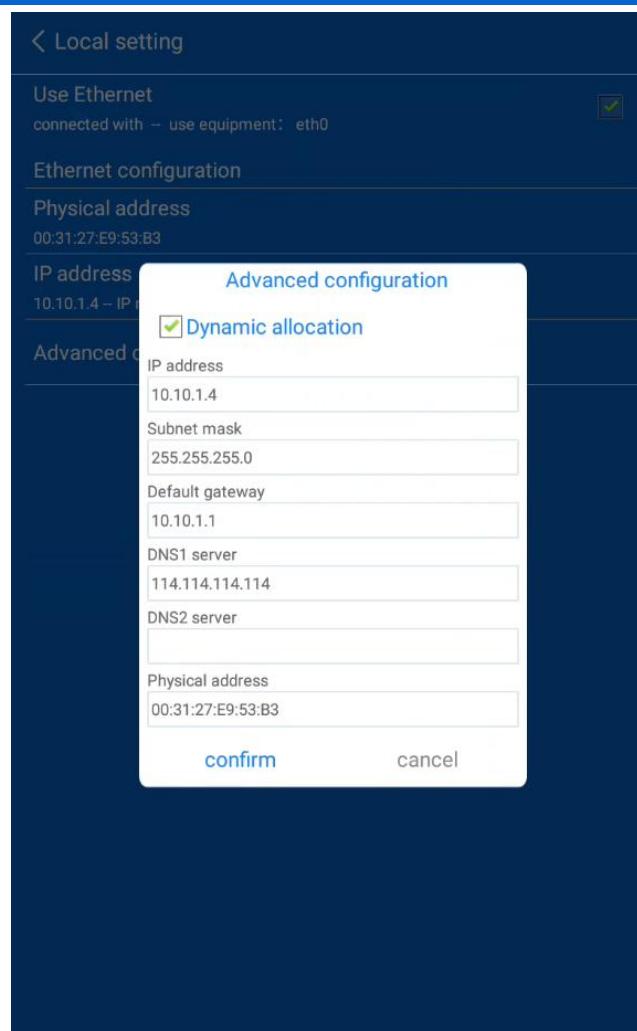


4.3.2 Central Machine Settings

You don't need to set this.

4.3.3 Local settings

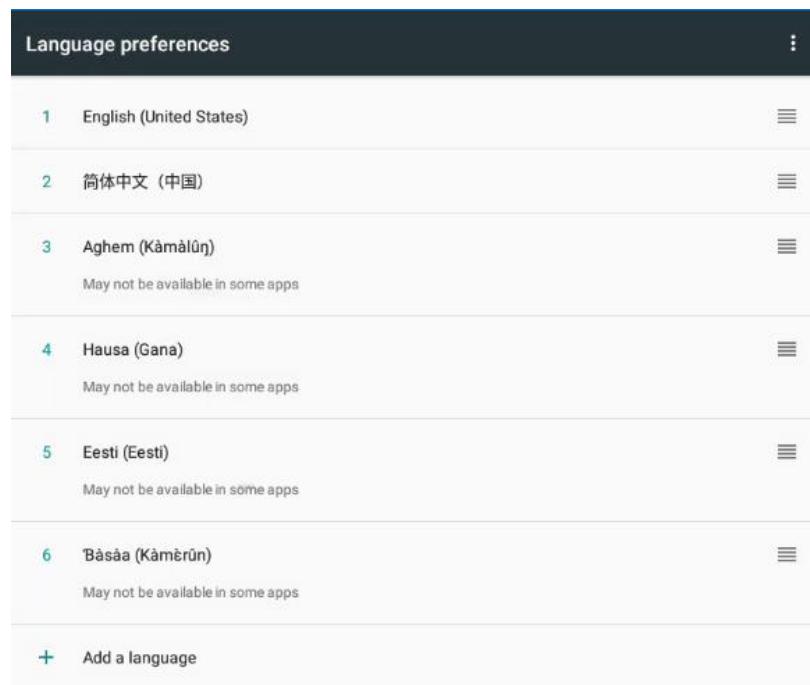
To set IP address on device **Intercom settings>Local setting>Advanced configuration**.



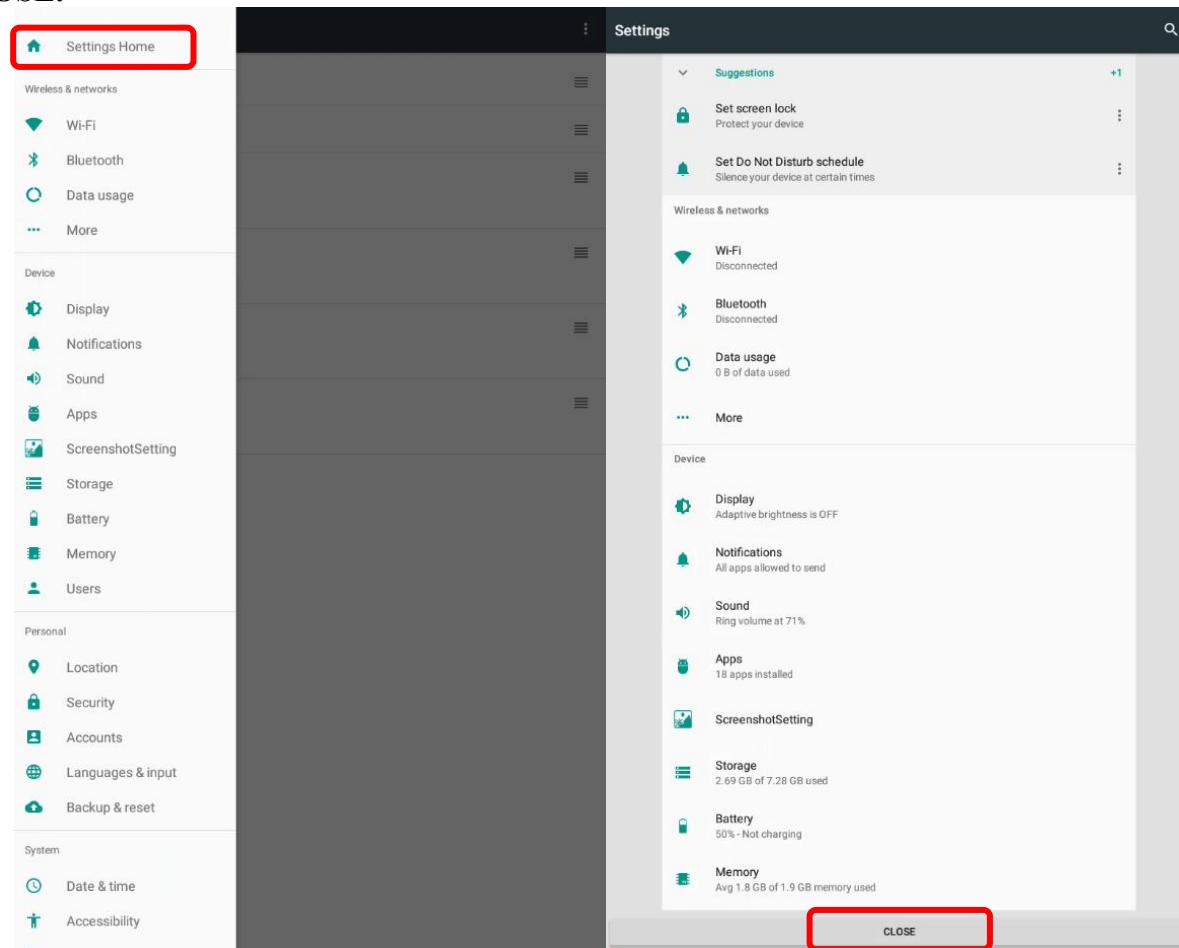


4.3.4 Language Setting

To change language on device **Intercom settings>Language setting**.

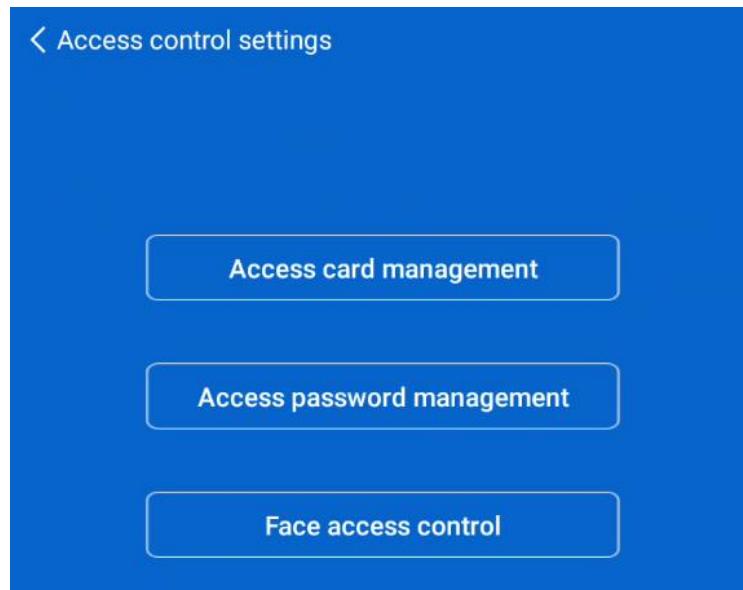


To close the menu, wipe the screen left edge to right, click **Settings Home**, click the under button **CLOSE**.





4.4. Access control settings



4.4.1 Access Card Management

To access card management on device **Access control settings>Access card management**.

Note: Please note that this setting is for local setting only, after you login, the data will be covered by the data set on Web Management Center.

Household	Card no.	Operation
kent	A32D603C00000000	
Add		



4.4.2 Access Password Management

To access password management on device **Access control settings>Access password management**.
Password is set on Web Management Center **Equipment manage>Outdoor panel>More>Edit>Other setting>Public unlock password**.

You can activate password unlock function by check **Whether to enable the password access control function**.

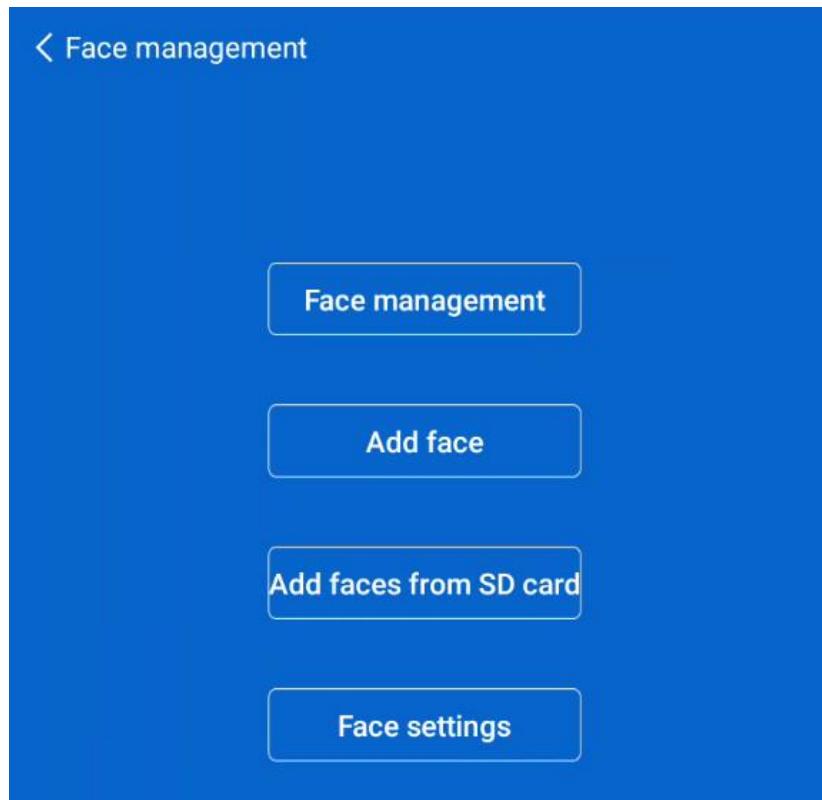
Note: to use password unlock, input 9999 then press unlock, input password to unlock the door.

The screenshot shows the 'Access password management' configuration page. At the top left, there's a back arrow and the title 'Access password management'. Below that is a toggle switch labeled 'Whether to enable the password access control function' which is turned on. There are two tabs: 'Household' and 'Whether to open', with 'Household' selected. The main area contains a numeric keypad for entering a password. A red box highlights the number '9' in the third column of the second row, with a red arrow pointing to it from above. The text 'Input 9999' is overlaid on the keypad area. Below the keypad, there are other configuration fields: 'Door lock alarm delay' set to '120 Seconds', 'System configuration' set to '159357', and a 'password' field. At the bottom, there are 'Create now' and 'Return' buttons. The entire 'Public unlock password' input field is highlighted with a red border.



4.4.3 Face Access Control

To Face access password on device **Access control settings>Face access control**



4.4.3.1 Face Management

View the building residents info under the device.

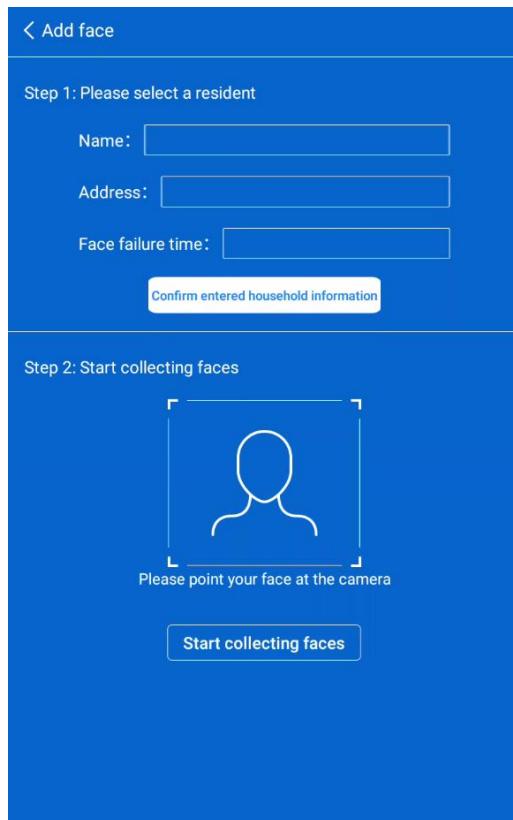
< Face management		
Face library registrations: 1		Face SDK registrations: 1
ID	Household	Type
1	kent	Local face



4.4.3.2 Add Face

To add face on device Access control settings>Face access control> Add face.

Note: Please note that this setting is for local setting only, after you login, the data will be covered by the data set on Web Management Center.

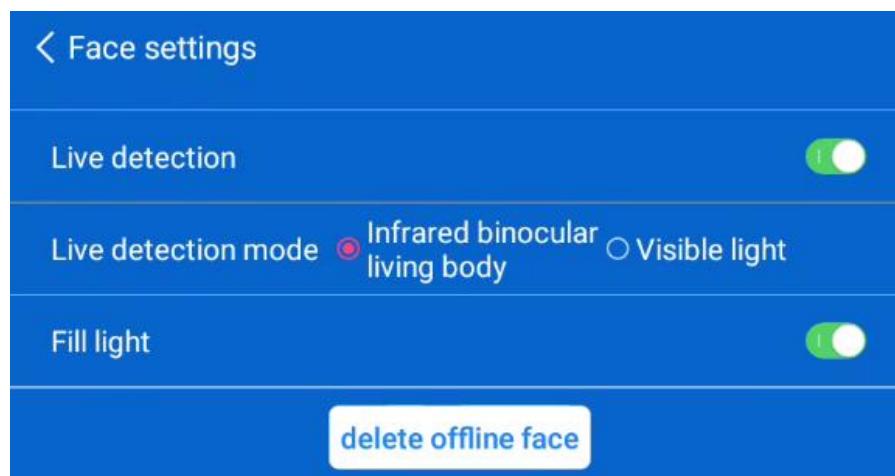


4.4.3.3 Add Face from SD Card

For local setting(testing) only, after you login, the data will be covered by the data set on Web Management Center.

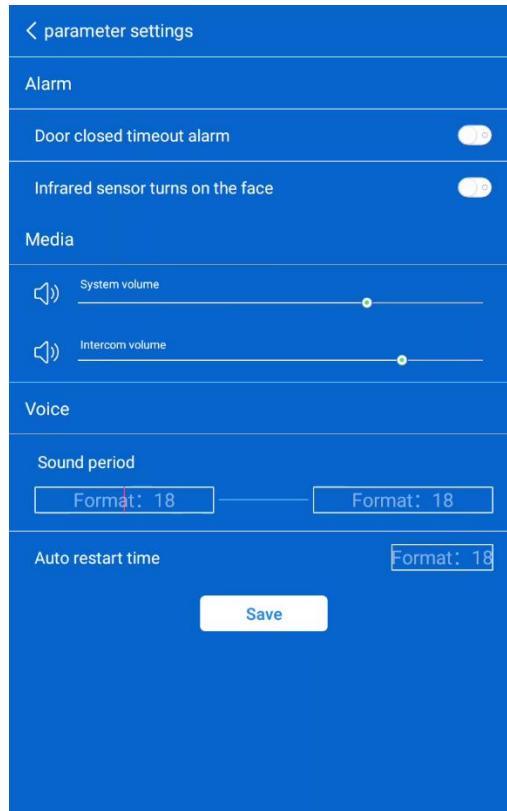
4.4.3.4 Face Settings

You can trigger Live detection on Face settings.





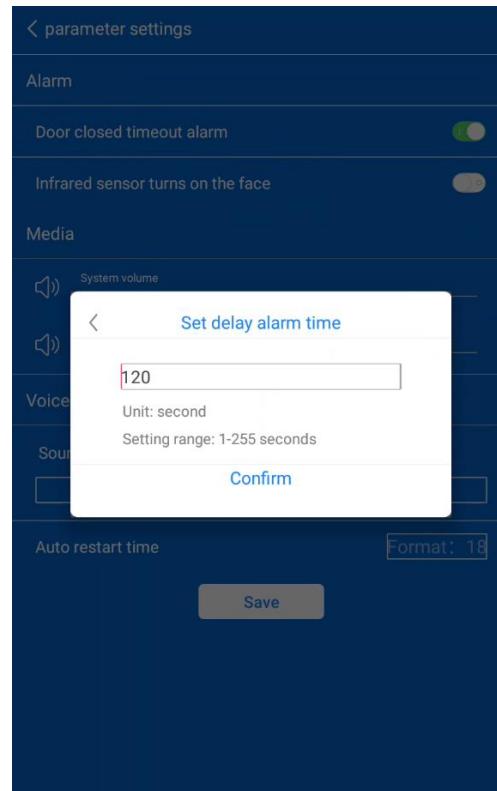
4.5. Parameter Settings



4.5.1 Door Closed Timeout Alarm

The Door closed timeout alarm is activated by default. Time range is from 1 to 255 seconds.

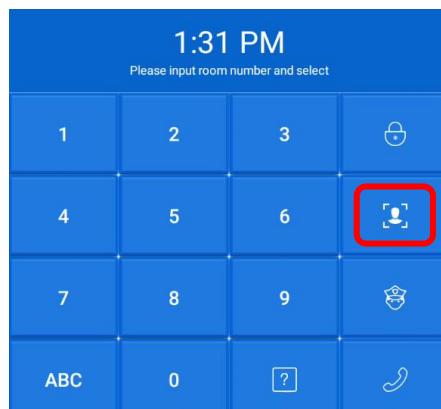
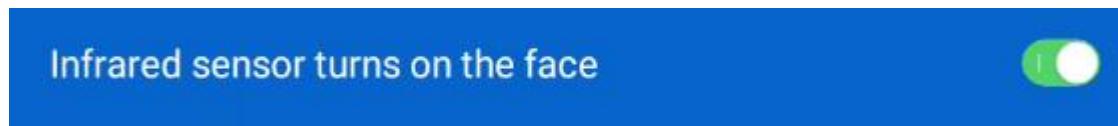
Note: when you first receive the sample and do the testing, it might trigger the alarm, you can disarm by closing the door closed timeout alarm.





4.5.2 Auto Face Recognition Unlock

The automatic face recognition unlock is activated by default. You can deactivate it by closing **Infrared sensor turns on the face**. After deactivated, you can trigger the face recognition by pressing face icon on the keyboard.



4.5.3 Volume

To set the volume of the System and intercom.



4.5.4 Sound Period

You can set what period the sound is triggered. The left is the start time and the right is the end time. It's 24-hour format.



4.5.5 Auto Restart

You can set when to restart the device. It's 24-hour format.





5. About Device

You can check all the relative information about the device at **About Device**.

Note: the testing menu is for engineer testing only.

The screenshot shows a mobile application interface titled 'About Device'. At the top left is a back arrow icon. Below it, the title 'About Device' is displayed. The screen lists several device parameters:

Number of faces (registered / total)	1/10000
Platform	http://10.10.1.106:5000/
IP address:	10.10.1.4
mac address	00:31:27:e9:53:b3
Hardware code	2DEB1EA69E6BC0B9
Series no.	D6211123000243

Below the parameters are several blue rectangular buttons:

- Update procedure
- reset
- Color camera test
- Clear face database data
- Infrared camera test
- Infrared induction test
- Screen test
- Binocular camera test
- Restart now



6. Elevator Linkage

To set elevator linkage on device **Setting>elevator linkage**.

Note: please contact Taichuan for support about this setting.

Elevator linkage setting

Enable elevator linkage

Elevator type 3000

Elevator address: 00

Lobby number (3000): 1



7. 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
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



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SMART VIDEO INTERCOM & HOME AUTOMATION SECURITY SOLUTIONS

8. 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.

9. Contact US

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

Sales email: globalmarket@taichuan.com

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Telephone: +86-756-8665853

We highly appreciate your feedback about our products

