

# User Manual

## U1 Voice 10" IP Monitor Sch. /Ref. 1711/16, 1711/16DG, 1711/18



1711/16



1711/16DG



1711/18

Version: V1.0

Code: SRD-UME1711/16/16DG/18-0827-V1.0

## **Preamble**

Thank you for purchasing Urmet products. This document is the user manual of U1 series digital system U1 Voice 10" IP Monitor (Ref. 1711/16, 1711/16DG, 1711/18) . Please read this manual carefully before using the U1 Voice 10" IP Monitor.

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# Content

<b>Chapter 1 Function Review .....</b>	<b>1</b>
<b>Chapter 2 Product Introduction .....</b>	<b>2</b>
2.1 Product Appearance .....	2
2.2 Interface description.....	3
2.3 Specifications.....	4
<b>Chapter 3 Basic Function .....</b>	<b>5</b>
3.1 Standby Interface.....	5
3.2 Intercom/call .....	8
3.3 Monitor.....	11
3.4 Message checking.....	12
3.5 Defending/withdrawing defense when going out.....	13
3.6 Alarm system setting.....	14
<b>Chapter 4 System setting .....</b>	<b>16</b>
4.1 Time setting .....	16
4.2 Camera setting .....	16
4.3 Call transfer setting .....	17
4.4 Password setting.....	18
4.5 Ringtone setting .....	19
4.6 Display setting .....	20
4.7 Language setting .....	21
4.8 Engineering setting .....	21
4.9 Screen cleaning.....	23
<b>Chapter 5 Alarm zone .....</b>	<b>24</b>
5.1 Wiring diagram of the alarm zone.....	24
5.2 Alarm zone property description.....	26
5.3 Doorbell function .....	27
<b>Chapter 6 Installation .....</b>	<b>28</b>
6.1 Recommended installation height.....	28
6.2 Installation instructions.....	29
<b>Notes .....</b>	<b>31</b>
<b>Appendix Figure index.....</b>	<b>32</b>

## Chapter 1 Function Review

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This product is the equipment based on TCP/IP transport protocol and major equipment of digital building intercom system. It supports visual video intercom, alarm zone setting and picture pushing and display in standby mode.

- Adopt 10.1- inch capacitive touch screen;
- Support 24V non-standard PoE power supply;
- Support continuously ringing the doorbell and U1 Voice PCM;
- Support extension of lift control function;
- Support real-time monitoring function for U1 Voice Call Module and IP camera monitoring;
- Information receiving function for receiving the information sent by the management center phone;
- Support one-family-multi-extension, defending/withdrawing defense synchronization function;
- Achieve the video intercom between visitor and resident and between resident and management center;
- Have intra-family and inter-family intercom function, achieve intercom between one resident and other residents in the community;
- Have standard 7-alarm zone (extensible) security alarm function.

## Chapter 2 Product Introduction

### 2.1 Product Appearance



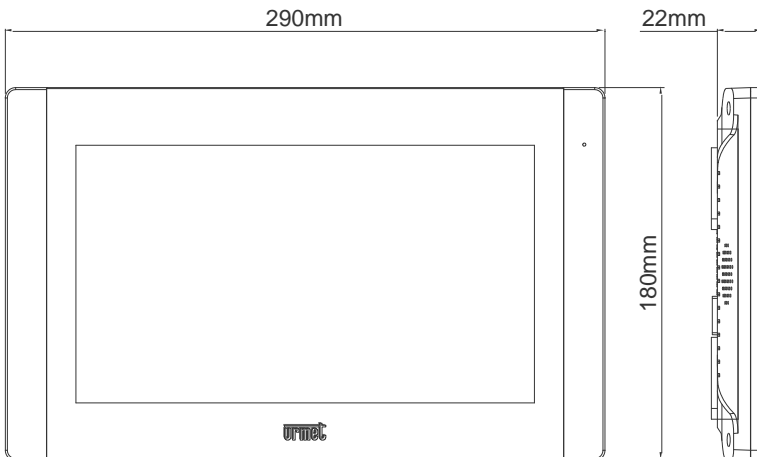
1711/16



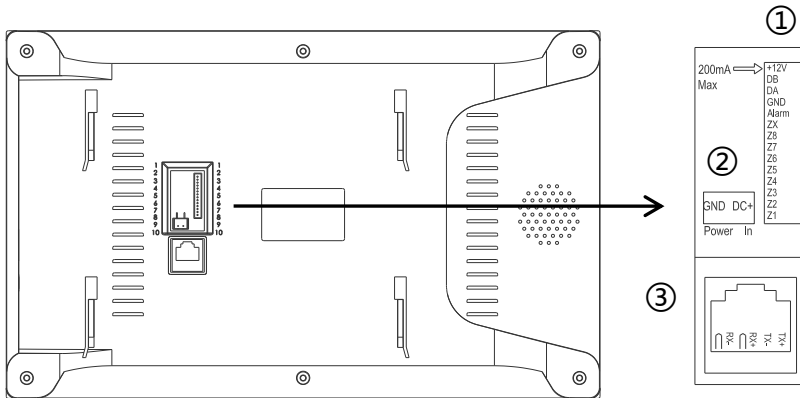
1711/16DG



1711/18



## 2.2 Interface description



### Number ①:

+12V + GND: Zone detector power supply interface (supply current  $\leq 200\text{mA}$ ).

DA/RX + DB/TX: 485 extensive interface. (can be connected to smart home scene control or access zone expansion module).

Alarm: Alarm output interface.

Z8: Non-standard zone interface (only supports access to the normally open security module).

ZX: Reserved interface.

Z1 through Z7: Standard alarm zone interface, supporting normally open/normally closed security module access.

### Number ②:

Power input interface DC 12 V ~ 24 V.

### Number ③:

Network interface (non-standard DC 24V PoE power supply mode).

## 2.3 Specifications

Working voltage: DC 24V

Local quiescent current:  $\leq 90$  mA

Local working current:  $\leq 210$  mA

Alarm zone output current:  $\leq 200$  mA (Only for independent power supply,  
alarm zone output voltage: 12V)

Display screen: 10.1 inches

Resolution: 1024 \* 600

Outline dimension (L \* W \* D): 290 \* 180 \* 22 mm

Ambient temperature: -10°C ~ +55°C

Ring time: 30 seconds

Call duration: 120 seconds

Monitoring time: 30 seconds

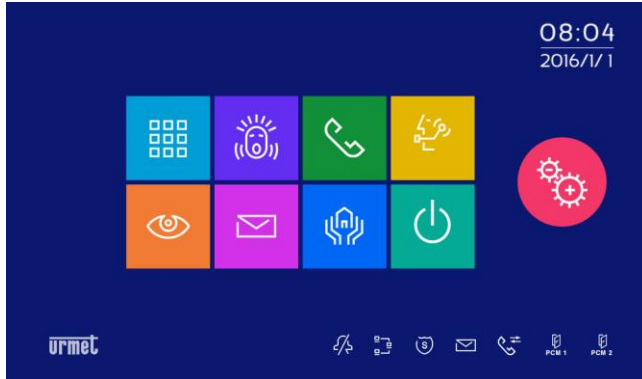
**User password:** used for entering into defending/withdrawing defense setting interface; initial user password is 999999.

**Engineering password:** used for setting U1 Voice 7" IP Monitor number, restoring factory setting and setting U1 Voice PCM; the password for setting U1 Voice 7" IP Monitor and restoring factory setting is 000000; the password for setting U1 Voice PCMis 999999.


## Chapter 3 Basic Function

### 3.1 Standby Interface


Figure3. 1 Standby Interface




#### SOS distress information

Keep pressing the  key for more than 2 seconds to send out distress information to the management center.

#### Intercom/call


Click the  key to enter into the intercom interface; call the management center, other residents or other U1 Voice 7" IP Monitors in the house.

#### Video surveillance


Click the  key to monitor the U1 Voice Call Module, U1 Voice PCM, MCM and IP camera.

#### Message



Click the  key to check the message that the community has released.


## Scenario

The user can select corresponding intelligent living scene by clicking  the key.

## Call management machine

Direct call U1 Voice Switch Board by clicking the  key.

## Sleep

Enter the sleep state by clicking the  key .

## System setting

Enter the system settings interface by clicking the  key.

## More menu


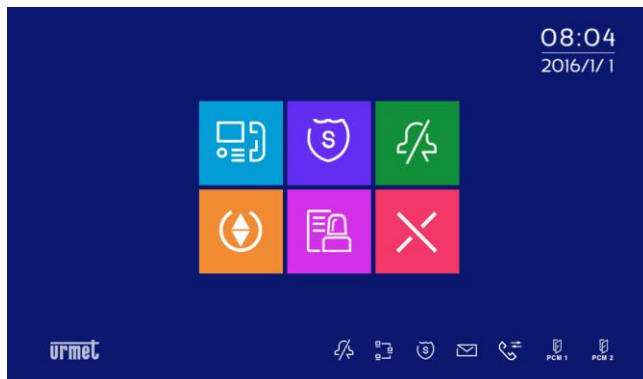

Enter more menu interface by clicking the  key.


Figure3. 2 More menu interface



## Call log

Check the call log between visitor and resident and between management center and resident by clicking the  key. The resident may check, read or delete etc. the call log.


## Defending/withdrawing defense when going out

Execute defending/withdrawing defense by clicking the  key and entering the user password when going out.


## Do not disturb

Turn off ringtones and doorbells to enter DND mode by clicking the  key.


## Lift control

Call the elevator to the floor where the resident lives by clicking the  key.

## Alarm information

Check the record of alarms that have taken place and conduct the setting of 11 each alarm zone by clicking the  key.

## Close the current interface

You can close the current interface and return to the upper interface by clicking the  key.

## 3.2 Intercom/call




### Visitor call

Figure3. 3 Visitor call interface



**Basic flow: ring bell⇒talk⇒unlock⇒call ended**

### When receiving a call :

- 1) The visitor calls the U1 Voice 10" IP Monitor by the U1 Voice Call Module, the U1 Voice 10" IP Monitor starts ringing.
- 2) The resident can start a conversation with the visitor by pressing the  key.
- 3) During the conversation, the resident can unlock the door for the visitor by pressing the  key. The phone system is hang up automatically 5S after unlocking.
- 4) The resident can end the call by pressing the  key.

### Snapshot


- 1) When the visitor calls the U1 Voice 7" IP Monitor, the resident may snapshot manually by clicking the  key on the screen.
- 2) The pictures snapshot shall be stored in the call log at standby interface.

Figure3. 4 Interface presented after the file of picture snapshot is opened



### Active call


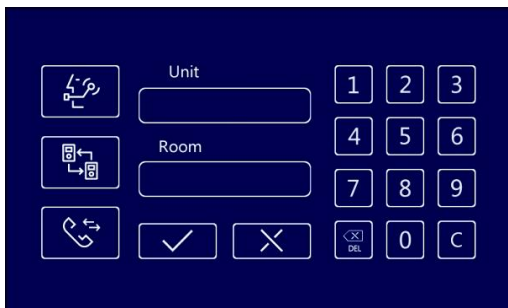
Click the  key at the main interface to enter into the intercom interface.

Figure3. 5 Active call interface (standard)




Figure3. 6 Active call interface (short code)





## Call the U1 Voice 10" IP Monitor

**Basic flow:** Call⇒Ring⇒Conversation⇒End the call

### 1) Call


As to calling other U1 Voice 7" IP Monitors in the household, click the  key to pop up the list of U1 Voice 7" IP Monitors, then select and call the desired extension;

**Standard dial:** enter the building number, unit number and room number, then press the  key to confirm; If only the room number is entered, the system shall consider the building number and unit number as 0 automatically.

**Short code:** enter the unit number and room number, and then press  key to confirm.

2) This phone sounds the ring back tone.

3) After the resident being called answers the call, intercom may be initiated.

4) The resident can end the call by pressing the  key.

**Attention:** When a new call comes in during current conversation, the new call icon will pop up, the resident can answer the call by clicking the icon.

## Call the U1 Voice Switch Board

**Basic flow:** Call⇒Ring ⇒Conversation⇒End the call

1) Click the  key to call the management center.

2) The U1 Voice 10" IP Monitor sounds the ring back tone.

3) After the U1 Voice Switch Board answers the call, intercom may be initiated.

The resident can end the call by pressing the  key.





### 3.3 Monitor

Figure3. 7 Monitoring interface



#### Unlock during monitoring

**Basic flow: Select equipment to be monitored⇒Monitor⇒Unlock⇒Stop**

- 1) Click the  key at the main interface and select equipment type to be monitored.
- 2) Activate monitoring function.
- 3) The resident may unlock the door for the visitor by clicking the  key during monitoring.
- 4) Click the  key to switch to monitoring other equipment.
- 5) Click the  key to stop the monitoring.


#### Snapshot during monitoring

Snapshot manually by clicking the  key on the screen during monitoring.


**Attention:** Picture snapshot shall be stored in the call log.

## Call the visitor

Basic flow: Monitor⇒Conversation⇒End the call

During monitoring (U1 Voice PCM, U1 Voice Call Module and MCM), the resident can initiate a conversation with the visitor by pressing the  key.

## Community monitoring

After clicking the  key, select IP camera to monitor the community.

## 3.4 Message checking


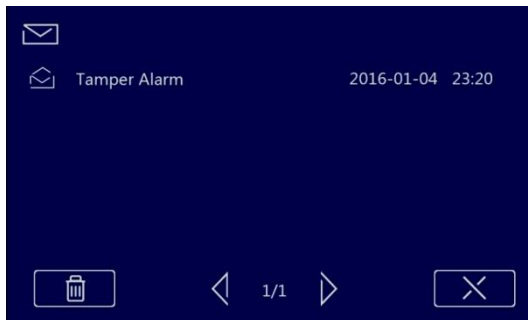
Check the community message sent out by the management center by clicking the  key to enter into the text message interface.

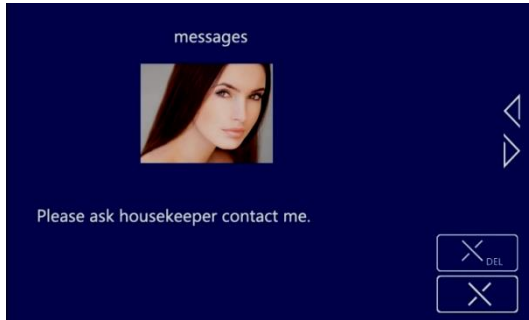
Figure3. 8 Message checking interface



## Check message

Select a message, click to open the message and read the details. The user can also delete the message.

Figure3. 9 Message details interface



### 3.5 Defending/withdrawing defense when going out


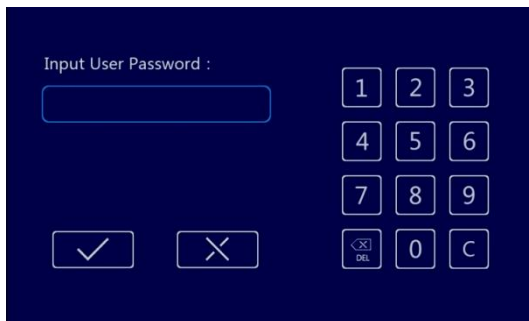
Execute defending/withdrawing defense by clicking the  key when going out.

Figure3. 10 Password entering and confirmation interface



**Following operations can be performed in defending state:**

Withdraw defense: Enter the user password to withdraw the defense.

**Following operations can be performed in defending state:**

Defending: Enter the user password, then start the defending time extension.



### 3.6 Alarm system setting




Click the  key at standby interface to enter into the alarm system setting interface and select .

Figure3. 11 Alarm system interface

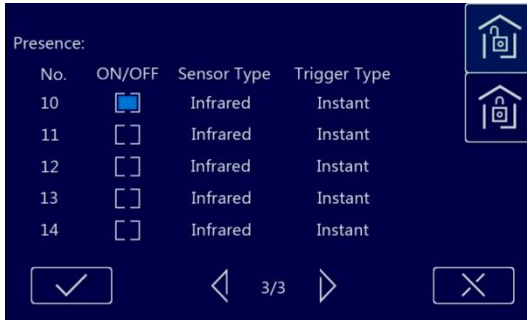


After clicking the  key, enter the user password to enter into the alarm zone property setting interface.

**Attention:** In defending state, the alarm system interface shows the withdrawing defense icon, now the defense can be withdrawn by entering the user password.

In defending state, if the user is hijacked, the user can enter the force password to withdraw the defense. This phone will report the hijack information to the management center secretly.

Figure3. 12 Alarm zone property setting interface



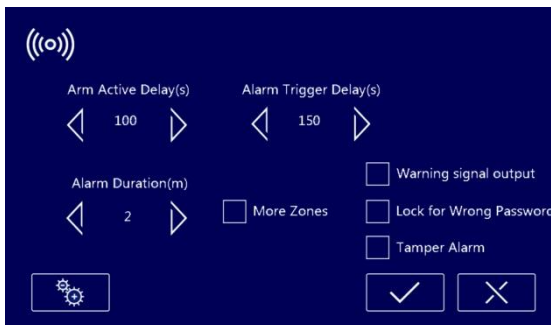
### Alarm zone property setting

After entering into the alarm system setting interface, conduct alarm zone activation/deactivation, alarm zone type and trigger type setting. See the alarm zone wiring instructions for relevant alarm zone type and trigger type.

The system alarm zone attribute number is 1-8, and 9-24 is the extended zone number. The settings are as follows.

Click on the setting interface ⇒ enter the user password, enter the alarm mode setting interface.

Figure3. 13 Alarm Mode Settings Screen



Tick the “Alarm zone expansion box”. The zone attribute number is 1-24, and 1-8 is not tick.

Tick the “Trash Alarm” to trigger the tamper to sound an alarm tone.

**Attention:** Alarm zone expansion tick: No. 1 monitor, zone number 1-24; No. 2 monitor 25-48, and so on.....

## Chapter 4 System setting

### 4.1 Time setting


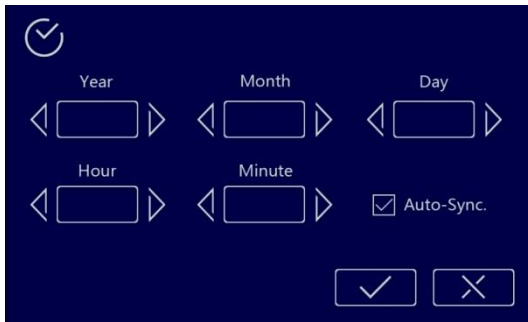
Click the  time setting at the main interface to enter into the time setting interface and set local time and date.

Figure4. 1 Time setting interface



Activate automatic time synchronization function: If this item is ticked, local time will synchronize with PC system time automatically.

### 4.2 Camera setting


Click the  camera setting at the main interface to enter into the camera setting interface.

Figure4. 2 Camera setting interface



Set adding or removing the monitoring camera of this phone.

When adding a camera, the camera code needs to be entered.

### 4.3 Call transfer setting


Click the  call transfer at the main interface to enter into the call transfer setting interface.

Figure4. 3 Call transfer setting interface

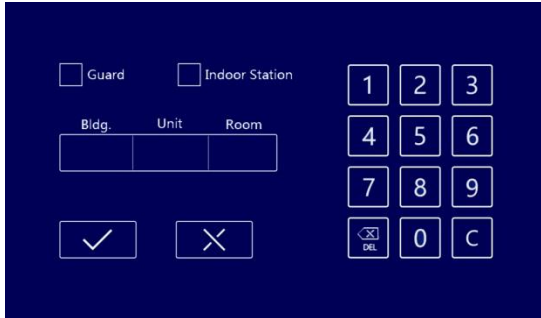


1) Tick target equipment type.

2) If the equipment is U1 Voice 7" IP Monitor, target room number shall be entered.

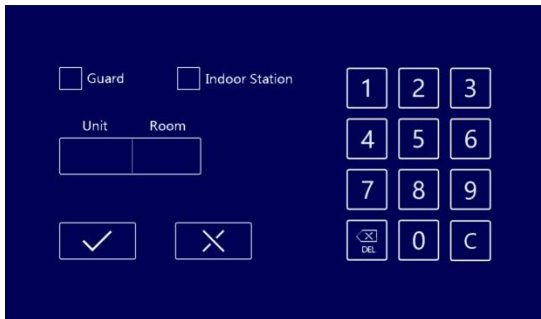
**Attention:** There is no need to enter the number for U1 Voice Switch Board.  
(The default priority is to transfer this unit area Switch Board)

Figure4. 4 Indoor unit transfer setting interface



The interface is a dark blue screen with white text and controls. At the top left, there are two checkboxes: "Guard" and "Indoor Station". Below them are three input fields labeled "Bldg.", "Unit", and "Room". At the bottom left, there are two buttons: a checkmark (✓) and a cross (✗). On the right side, there is a numeric keypad with buttons for digits 1-9, 0, and a "C" button. A "DEL" button with a trash can icon is located between the 7 and 0 buttons.

Figure4. 5 Short code mode Indoor unit transfer setting interface



This interface is similar to the previous one but simplified. It has checkboxes for "Guard" and "Indoor Station" at the top left. Below them are two input fields labeled "Unit" and "Room". At the bottom left, there are checkmark (✓) and cross (✗) buttons. The numeric keypad on the right is identical to the previous interface, with digits 1-9, 0, "C", and a "DEL" button.

## 4.4 Password setting


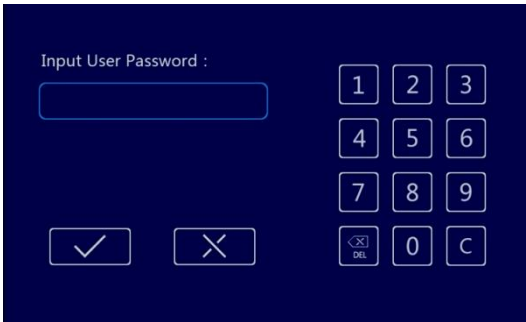
Click the  password setting at the main interface to enter into the password setting interface.

Figure4. 6 Password setting interface



Enter old password (user password or force password)⇒password entering⇒new password confirmation

## 4.5 Ringtone setting


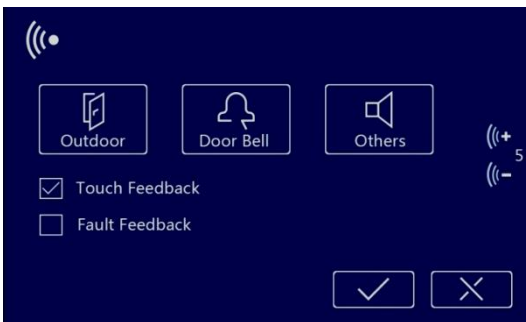
Click the  ring setting at the main interface to enter into the ringtone setting interface.

Figure4. 7 Ringtone setting interface



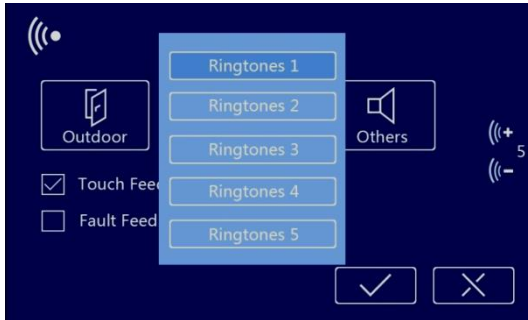
## Sound setting

- 1) Adjust ringing volume.
- 2) Set screen touch tone and failure warning tone.

## Ringtone selection

Select the list of ringtones of each equipment.

Figure4. 8 List of equipment ringtones



Select the incoming call ring of each equipment.

**Attention:** Other rings mean the incoming call rings of U1 Voice 10" IP Monitor and U1 Voice Switch Board.

## 4.6 Display setting


Click the  display setting at the main interface to enter into the display setting interface.

Figure4. 9 Display setting interface



1) Adjust screen brightness.

2) Set screensaver activation time and screensaver deactivation time.

## 4.7 Language setting


Click the  language setting at the main interface to enter into the language setting interface.

Figure4. 10 Language setting interface



Set local interface language. Language must be selected when the first time power-on.

## 4.8 Engineering setting


Click the  engineering setting at the main interface⇒enter the engineering password to enter into the engineering setting interface.

Figure4. 11 Engineering setting interface





### **short code dialing mode setting**

Tick the “Short code dialing” box to exit the auto save and enter the short code dialing mode.

### **Room number setting**

Set the room number of this phone

#### **Attention:**

1, the room number setting range: building number 1-99, unit number 1-9, room number 0101-6332 (63 is the layer number, 32 is the room number).

2, villa machine set room number range: 1-999.

### **U1 Voice PCM setting**

1) U1 Voice PCM enters setting state.

2) Add U1 Voice PCM number: Enter into setting interface ⇒ Engineering mode ⇒ Select U1 Voice PCM 1 setting (or U1 Voice PCM 2 setting) ⇒ Select U1 Voice PCM.

3) Confirm whether the setting complies with the U1 Voice PCM via video.

**Attention:** U1 Voice PCMs (maximum 5) that are waiting currently shall be listed at the setting interface. Long press 2s and then short press to make pcm enter the setting state

### **Restore factory setting**



Restore the system setting to the state before it leaves the factory by clicking the RESTORE FACTORY SETTING key and confirming it within 30s after power on.

**Attention:** All records will be cleared after restoring factory setting operation is executed.

**Baud rate setting** The baud rate is 9600.

## 4.9 Screen cleaning

When cleaning, the screen may be locked for a period of time to avoid misoperation.

Click the   at main interface to pop up the screen locking

countdown window. The screen is locked for 1 minute during which clicking the screen and the hard keys shall not take effect.

Figure4. 12 Screen countdown interface



**Attentions:** Wipe screen surface with soft and bareface cloth.

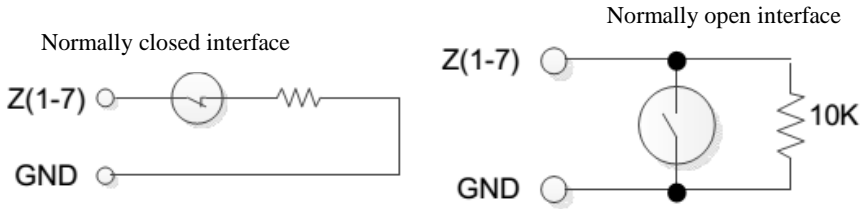
Allow spraying a little glass cleaner on the cloth for better cleaning effect.

## Chapter 5 Alarm zone

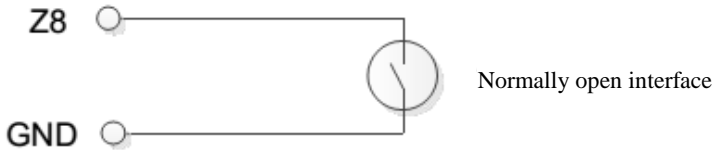
### 5.1 Wiring diagram of the alarm zone

#### Single security detector wiring

**Z1 through Z7 wiring of U1 Voice 10" IP Monitor:**

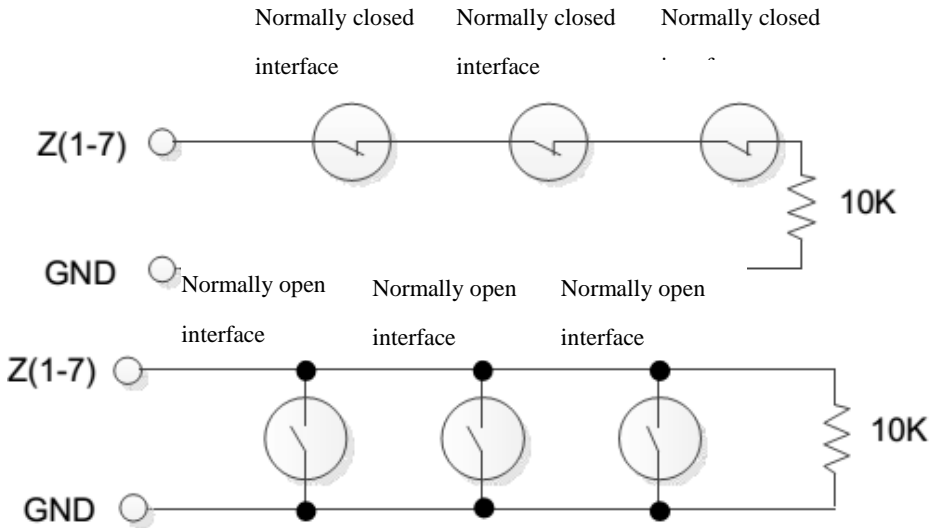


**Z8 wiring of U1 Voice 10" IP Monitor:**

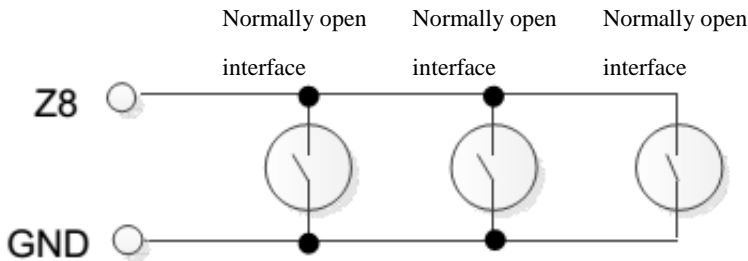


#### Multiple security detectors wiring

**Z1 through Z7 wiring of U1 Voice 7" IP Monitor:**



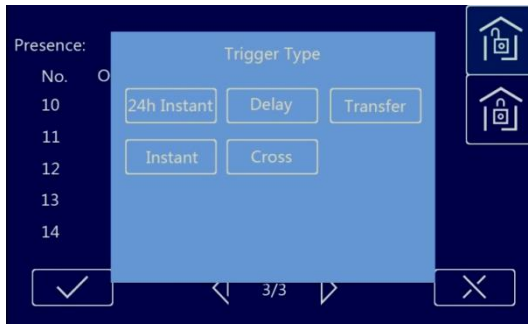
**Z8 wiring of U1 Voice 7" IP Monitor:**



**Attention:** Alarm zone interfaces that are not used can be deactivated at main interface  $\Rightarrow$  setting  $\Rightarrow$  alarm setting or shielded with 10K resistance grounded.

## 5.2 Alarm zone property description

Figure 5.1 Trigger type



### 24-hour immediate alarm

Detection will be carried out immediately after system power on in the alarm zone, being unaffected by the defending/withdrawing defense, once the alarm zone is triggered, alarm shall be sent out immediately.

### Delayed alarm

After defending is arranged in the alarm zone, once triggered, delayed alarm countdown state starts. The user can withdraw the defense within the countdown, otherwise, alarm will be sent out immediately upon the expiration of the countdown.

### Alarm transmission delay

The alarm zone shall establish associated operation with delay alarm zone. After defending is arranged, once the alarm zone is triggered ahead of the delay alarm zone, alarm shall be sent out immediately. If the delay alarm zone is triggered ahead of the alarm zone, trigger countdown shall be activated; the user may withdraw the defense within the countdown, otherwise, alarm shall be sent out immediately upon the expiration of countdown.

## **Immediate alarm**

After defending is arranged in the alarm zone, once triggered, alarm will be sent out immediately.

## **Cross alarm**

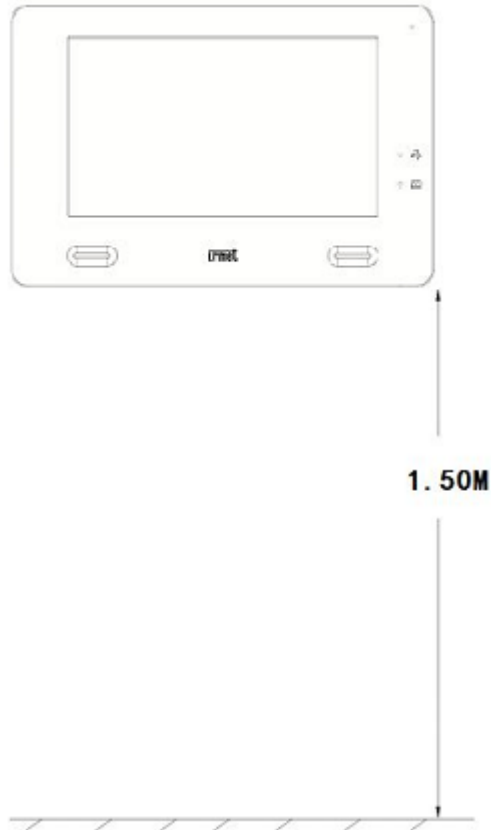
For the alarm zone, coordinated trigger of two alarm zones (1, 2 defense zones and 7 and 8 defense zones) is needed. After defending is arranged, once the cross alarm zone is triggered, if the cross alarm zone is triggered within 5 seconds, alarm shall be sent out immediately, otherwise, alarm shall not be sent out.

## **5.3 Doorbell function**

Doorbell function can be set through **alarm setting** ⇒ **alarm zone setting** ⇒ **detector type**. After setting, the doorbell shall ring immediately after the alarm zone interface detects doorbell input.

## Chapter 6 Installation

### 6.1 Recommended installation height



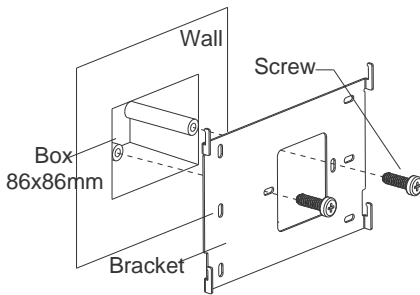
Recommended installation height: 1.5 m

**Attention:** In order to use this product better, it is recommended to use Super Category 5 digital communication cable as the system CAT5 bus.

The maximum communication distance of this extension is 100 meters.

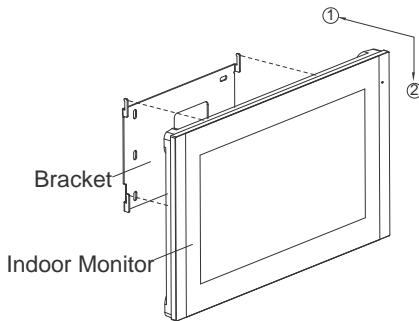
## 6.2 Installation instructions

①



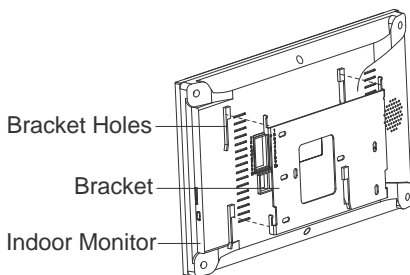
Step 1: Aim the bracket screws to the holes on the 86\*86 installation box and fasten the bracket.

②



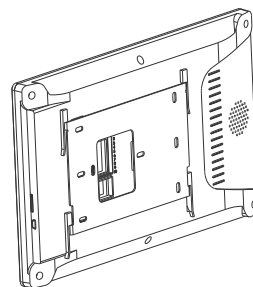
Step 2: Wire the indoor monitor, then aim the bracket at the bracket holes on the back of the indoor station (as of ②), when all four holes are aimed, lightly push down the monitor vertically (as of ③), thereupon you will hear a slight crack sound, the device is then properly installed (as of ④).

③



Aiming the bracket to the holes.

④



When it's properly installed.



## Notes

1. Please keep the equipment away from strong magnetic field, hot and moist environments;



2. Protect the equipment from falling down on the ground or being subject to high impact;



3. Don't wipe the equipment with wet cloth or volatile reagents;



4. Don't disassemble the equipment by yourself.

## Appendix Figure index

Figure3. 1 Standby interface .....	5
Figure3. 2 More menu interface .....	6
Figure3. 3 Visitor call interface .....	8
Figure3. 4 Interface presented after the file of picture snapshot is opened .....	9
Figure3. 5 Active call interface (standard) .....	9
Figure3. 6 Active call interface (short code) .....	9
Figure3. 7 Monitoring interface .....	11
Figure3. 8 Message checking interface .....	12
Figure3. 9 Message details interface .....	13
Figure3. 10 Password entering and confirmation interface .....	13
Figure3. 11 Alarm system interface .....	14
Figure3. 12 Alarm zone property setting interface .....	15
Figure3. 13 Alarm Mode Settings Screen .....	15
 Figure4. 1 Time setting interface .....	 16
Figure4. 2 Camera setting interface .....	17
Figure4. 3 Call transfer setting interface .....	17
Figure4. 4 Indoor unit transfer setting interface .....	18
Figure4. 5 Short code mode Indoor unit transfer setting interface .....	18
Figure4. 6 Password setting interface .....	18
Figure4. 7 Ringtone setting interface .....	19
Figure4. 8 List of equipment ringtones .....	20
Figure4. 9 Display setting interface .....	20
Figure4. 10 Language setting interface .....	21
Figure4. 11 Engineering setting interface .....	21
Figure4. 12 Screen countdown interface .....	23
 Figure 5.1 Trigger type .....	 26