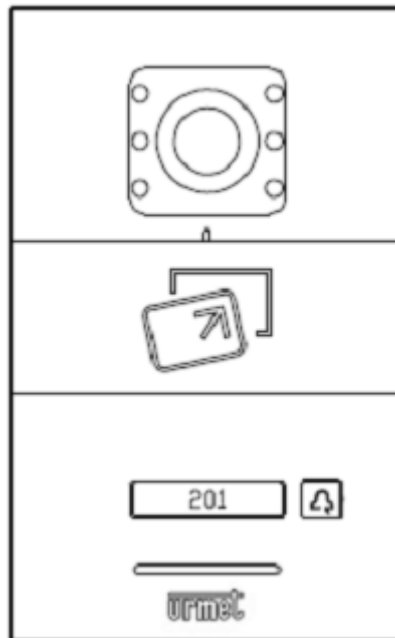


U1 Voice PCM

Sch./Ref. 1722/18



Version: V1.0

Code: SRD-UME1722/18-0429-V1.0

Preface

Thank you for choosing Urmet product. This manual is the user manual of U1 series digital system U1 Voice PCM (Ref. 1722/18). Please read this manual carefully before using the U1 Voice PCM.

Disclaimer

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Chapter 1 Product overview

This product is U1 Voice PCM of U1 series digital building intercom system. It adopts standard Category 5 cable connection to achieve communication with U1 Voice 7" IP Monitor or U1 Voice Switch Board, and supports IC access control.

1.1 Function characteristics

- Support IC card swiping;
- Support calling U1 Voice 7" IP Monitor and U1 Voice Switch Board;
- Adjustable unlock time;
- Door status detection, door opening overtime alarm;
- Provide normally open/normally closed unlock output;
- Support online upgrading.

1.2 Specifications

1.2.1 Working parameters

Working voltage: DC 24V/POE 48V

Quiescent current: $\leq 30\text{mA}$ /PoE 48V

Working current: $\leq 70\text{mA}$ /DC48V

Working environment temperature: $-20\text{ }^{\circ}\text{C}$
 $\sim 55\text{ }^{\circ}\text{C}$

Storage environment temperature:
 $-40\text{ }^{\circ}\text{C} \sim 70\text{ }^{\circ}\text{C}$

Product dimension (W/H/D): 120 * 194 *
44.7mm

1.2.2 Camera

Type: CMOS

Pixel: 30W

Viewing angle: diagonal 95°

Minimum illumination: 0 lux

Focal length: 2.2mm

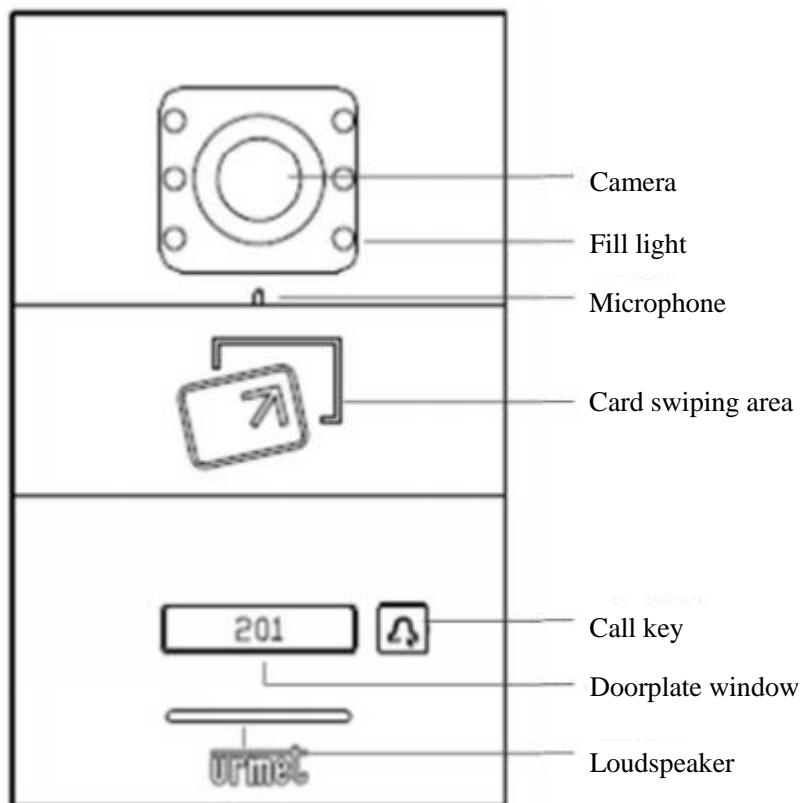
Fill light mode: white light

Adjustable angle: around 12°

1.3 Description of appearance and interface

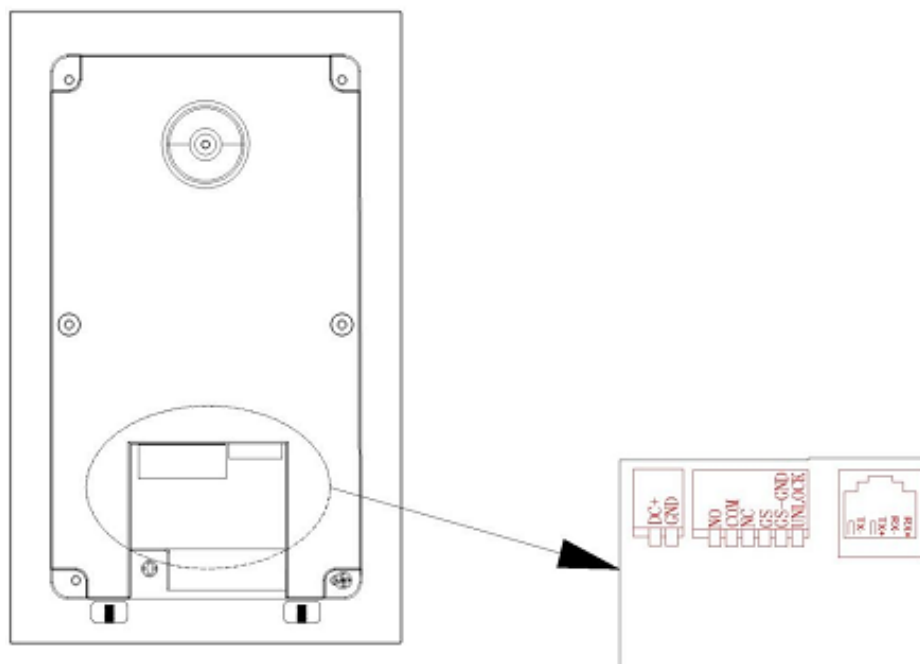
1.3.1 Front view

Figure 1.1 Front view



1.3.2 Rear view

Figure 1.2 Rear view



48V power supply interface description

RJ45 network interface: connection line interface, can be connect to a 48V standard PoE switch;

NO COM NC: Normally open/normally closed interface;

GS GS-GND: Door status detection interface;

GND DC+: Independent 24V power supply interface.

Chapter 2 Configuration

2.1 U1 Voice PCM matches with U1 Voice 7” IP Monitor

Within 3 minutes after power-on of the U1 Voice PCM, keep pressing the U1 Voice PCM key until it beeps three times. Then press the U1 Voice PCM key, the U1 Voice PCM beeps once and enters into configuration state.





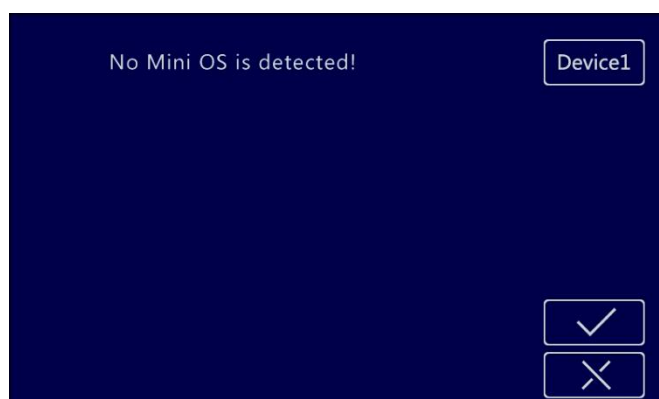
Click the  ⇒ engineering setting at main interface of the U1 Voice 7” IP Monitor, enter the engineering password **000000** to enter into setting interface, then select U1 Voice PCM1 setting or U1 Voice PCM2 setting to enter into U1 Voice PCM configuration interface. After selecting the U1 Voice PCM on the right according to the interface prompt, click the confirmation icon  to complete the matching of U1 Voice PCM successfully.

Figure 2.1 U1 Voice PCM configuration interface



Attention: After successful matching, highlighted U1 Voice PCM icon shall be displayed in the status bar of the U1 Voice 7” IP Monitor.

2.2 Card management




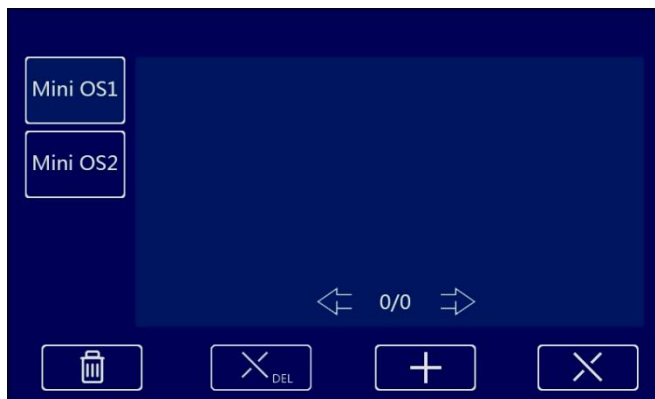




Click the  ⇒ U1 Voice PCM setting at main interface of the U1 Voice 7” IP Monitor, enter the user password 999999 to enter into U1 Voice PCM setting interface. Select card management icon to enter into card management interface, as shown below:

Figure 2.2 Card management interface



After entering into the interface, select the U1 Voice PCM to be operated and conduct relevant operations. The specific functions represented by the icons at the bottom of the interface are shown below:

-  : Delete all registered cards;
-  : Delete one registered card;
-  : Register access control card of U1 Voice PCM;
-  : Return to the previous menu.


After selecting the key , place the IC card in the card swiping area of the U1 Voice PCM. A beep sounds to indicate successful registration. The number of the card registered successfully can be seen after entering into the interface shown below:

Figure 2.3 Card swiping prompt interface



Figure 2.4 Successful card registration interface



2.3 Key synchronization

In case of one-family-multi-extension, if a certain U1 Voice 7" IP Monitor is matched with the U1 Voice PCM successfully, only the U1 Voice 7" IP Monitor has the authority to manage and unlock the U1 Voice PCM. In this circumstance, only the U1 Voice PCM status bar of the U1 Voice 7" IP Monitor is highlighted, the U1 Voice PCM status bar of other U1 Voice 7" IP Monitors shows grey.

If it is needed that other U1 Voice 7" IP Monitor extensions are also authorized to manage and unlock the U1 Voice PCM, key synchronization shall be implemented. Key synchronization operation. Select the U1 Voice 7" IP Monitor which has the management authority, enter into its U1 Voice PCM management interface and select key synchronization. The key synchronization process interface is shown below:

Figure 2.5 Key synchronization process interface

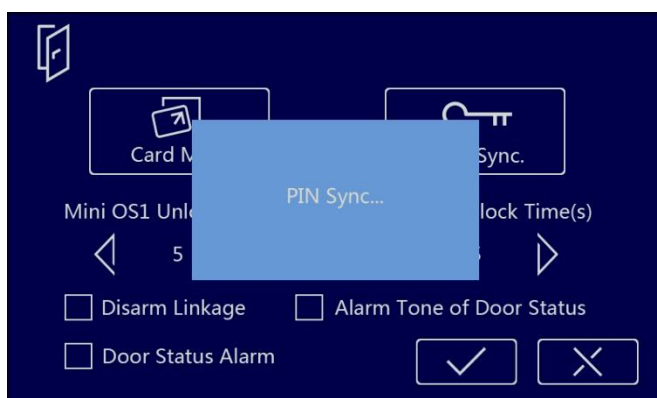


Figure 2.6 Successful key synchronization interface



2.4 Unlock time setting

Enter into the U1 Voice PCM management interface to set the unlock time. Unlock time setting range is 5~30 seconds.

2.5 Withdrawing defense linkage

Tick the U1 Voice PCM withdrawing defense linkage. When the U1 Voice 7" IP Monitor completes the defending successfully, if the U1 Voice PCM opens the door successfully by card swiping, the U1 Voice 7" IP Monitor shall withdraw the defense automatically.

2.6 Door status alarm

The door status alarm function is, when the time that the U1 Voice PCM spends on the door opening detection exceeds 120 seconds, the U1 Voice Switch Board will give a alarm prompting the administrator that the time that certain resident spends on opening the door exceeds the specified time. The prompt interface of the U1 Voice Switch Board appearing after door status alarm is shown below:

Figure 2.7 Door opening alarm interface



2.7 Door status alarm tone

Tick the door status alarm tone. When the time that the U1 Voice PCM spends on the door opening detection exceeds 120 seconds, the alarm prompt tone shall sound automatically, prompting the resident to close the door.

2.8 Tamper alarm

Tamper alarm is the alarm given when the U1 Voice PCM is disassembled under force. The alarm will prompt the administrator that the U1 Voice PCM of a certain resident is being damaged. The alarm prompt of the U1 Voice Switch Board is shown below:

Figure 2.8 Tamper alarm interface



Chapter 3 Operating instructions

3.1 Call the resident

The visitor may call the U1 Voice 7" IP Monitor by pressing the key, now this phone sounds the ring back tone. If pressing the key once during ringing, reset the 30 seconds countdown; if keeping pressing the call key during ringing, switch to calling the management center. If the resident doesn't answer the call within 30 seconds, the call will be ended automatically.

3.2 Call the management center

The visitor may call the management center by keeping pressing the key for 2 seconds, now this phone sounds the ring back tone. If the management center doesn't answer the call within 30 seconds, the call will be ended automatically. If keeping pressing the key during ringing, reset the 30 seconds countdown; if pressing the key once during ringing, switch to calling the resident.

3.3 Unlock

Unlock via card swiping

Unlock by pressing the registered card close to the card swiping area on the U1 Voice PCM.

Unlock via U1 Voice 7" IP Monitor

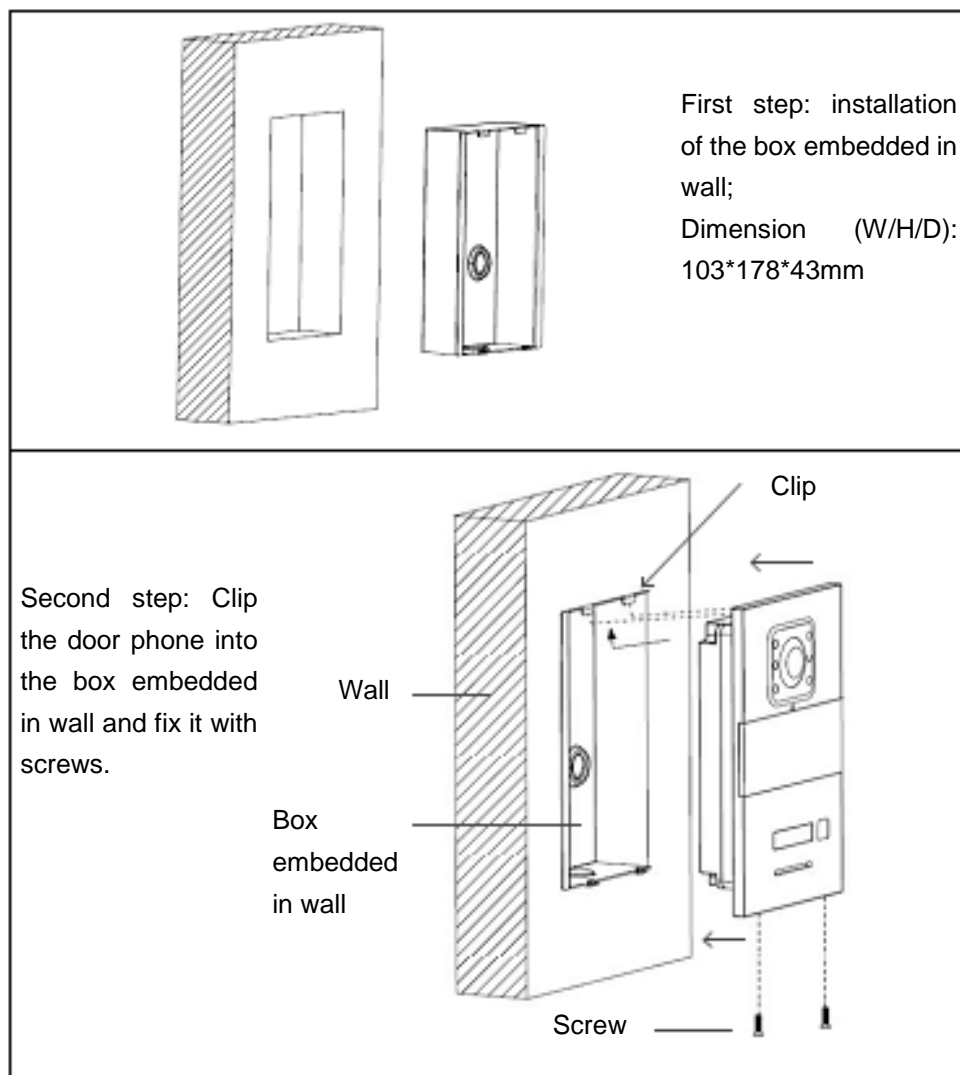
When the resident is being called or the resident is monitoring the U1 Voice PCM, the U1 Voice 7" IP Monitor can control the unlocking of the U1 Voice PCM.

Unlock via exit button

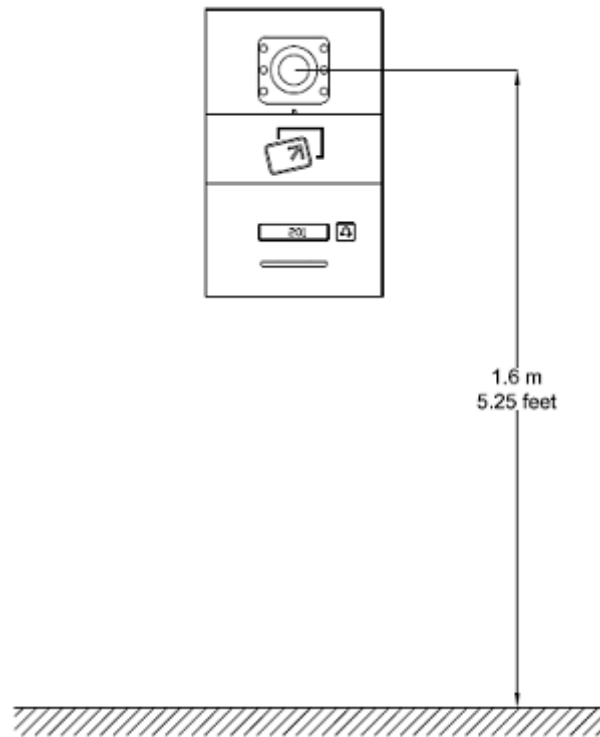
This phone is provided with an interface for exit button connection. After the exit button is connected, the resident can unlock the door by pressing the exit button once inside the door.

Chapter 4 Installation

4.1 Installation steps



4.2 Recommended installation height



Recommended installation height: The camera shall be installed 1.6 m above the ground.

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.

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