

WRT[®]

Video Intercom System



UZS-121CS43

Manufacturer

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Thank you for choosing our product. Please read this manual before use and keep it properly for future reference. We reserve the right to change specifications or designs described in this manual without notice and obligation. We'd be pleased to get your suggestion and comments for improving our service and products.

Version: H1

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1.0 System Features & Functions

- Compact, elegant and stylish design.
- This series is ideal for single-house or villa applications. It provides an intercom platform for visitor and tenant. The tenant can see and talk with the visitor before letting them in.
- In this system, up to four Door Phones can be connected. You can install them in the kitchen, sitting room, living room, bathroom, etc. When a visitor presses the call button on the Door Station, all the phones in the house ring so that you can press any to answer.

When two or more Video Door Phones are installed, press the

- " Call button" on the video door phone to call other Door Phone (s) for room-to-room intercom.

During the conversation, tenant can unlock for the visitor by

- remote control.

One or two Door Stations can be connected. It's ideal for house

- even with two doors. There are different door stations optional. They are sold separately.

The tenant can monitor the doorway through the captured by the

- camera so that they can know what's happening in the doorway and know who's outside in case someone knocks at the door instead of pressing the call button.

At night or when there is not enough lighting in the doorway, the

- display in the Video Door Phone will be shown in black and white.

2.0 System Items



UZS-121CS43
Color Video Door Phone



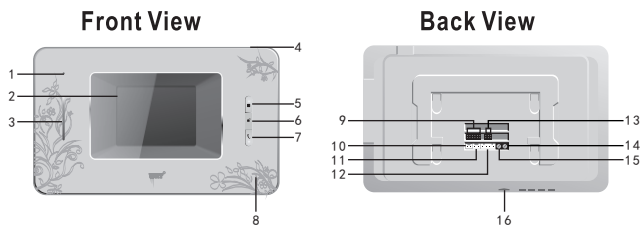
Adaptor

3.0 Introduction of UZS-121CS4

3.1 What's Included?

12V/1.2A power supply	1PCS
180mm 2 core cable(2.00mm)	1PCS
180mm 4 core cable	1PCS
180mm 2 core cable(2.54mm)	1PCS
Wall bracket	1PCS
Shortcut block	9PCS
Instruction book	1PCS

3.2 Equipment Description



- 1.Status indicator light 2.Screen 3.Speaker 4.Secondary unlock 5.Monitor
 6.Unlock 7.Call button 8.Microphone 9.Code socket 10.Connect Socket for
 output secondary unlock signal 11.Connect Socket for input of+ 12VDC
 12.Connect Socket for output of+ 12VDC and ground wire、 video and audio
 transmission socket 13.JP2、JP3 is outdoor station selection socket; JP1 is
 impedance selection socket 14.Brightness adjustment
 15.Chrominance adjustment 16.Volume adjustment

4.0 Installation

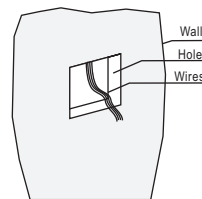


Figure 1

Make a hole in the wall prefer to the dimension of 86.0(W)x86.0(H)x30.0(D) mm wall box. The bottom of the hole shall be 1450mm above the ground. (Figure 1)(Note: this depends on the individual's height).

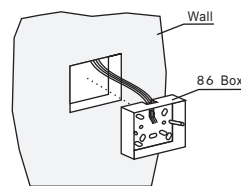


Figure 2

Make a hole in the wall box and insert the wires through it. (Figure 2)

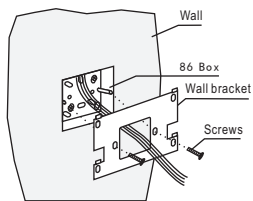


Figure 3

Use 2 screws to fix the wall bracket in the 86 box.(Figure 3)

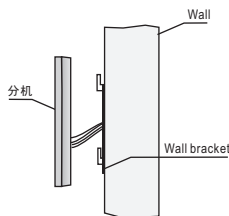


Figure 4

Connecting the wires, then fix the door phone .(Figure 4)

5.0 Operation

Two door stations and four door phones at most in each house;

5.1 Shortcut socket instruction for door phone:

There are many groups of shortcut sockets on the back of doorphone.

Status selection should be done before use.

Video match impedance selection; Shortcut block is plugged on the single monitor, and on one of the monitors in case of many monitors.

JP2 PIN socket: Door station response selection, only working with FZH-121C; Shortcut block is plugged on the single monitor, and on one of the monitors in case of many monitors.

JP3 PIN socket: The type of door station selection; only working with FZH-121C. All door phones should plug in shortcut block when the FZH-121C is used.

S1 PIN socket: Working with FZH-121C, shortcut block is plugged on the single monitor, and on one of the monitors in case of many monitors. Working in small apartment building, coding could be used to choose the number of houses.

S1-S6 PIN socket: Working in small apartment building, coding is used to choose the number of houses, 64 at most.

5.2 Coding:

There is a series of coding pin sockets on the back of door phone S1-S6. Working in small apartments, coding should be done in the way of adding 1, 2, 4, 8 plus one, as following:

Socket: S1 S2 S3 S4 S5 S6

Number: 1 2 4 8 16 32

For example: No shortcut block is needed when coding the monitor as No.1; Shortcut block should be plugged in S1, S2, S3 when coding the monitor as No.16 (1+2+4+8=15). Shortcut block should be plugged in S3, S4, S5 when coding the monitor as No.29 (4+8+16=28).

Note: All monitors should share the same coding status when they are in the same house.

5.3 Answering Calls from Door Station:

When there is a call received from the door station (the maximum time of ring tone is 10s), the image from the Door Station will auto-display on the screen. If there is no response after 30s, the monitor will return to the stand-by state. Within 30 seconds, the user can press "📞" button talk with the visitor for at most 2 minutes' conversation. To release the electric lock for the visitor, press "🔓" button. To end the conversation, press "📞" button, or the system will shut off automatically in 7s after pressing unlock button.

When the door station is FZH-121C, the door station and monitor ring for 10s. Then, they will return to the stand-by state.

5.4 Calls from Door Phone:

When there is a call received from one of the door phones, other door phone(s) have been connected, the phone you have picked will return to the stand-by state after 2s. To answer the call, press "📞" button within 30s (Pick up the door phone within 10s if the door station is FZH-121C). The max conversation time is 2 minutes. To end the conversation, press "📞" button.

Press "📞" button to end calling.

5.5 Monitor:

There is an impedance match socket in the back side of the Door Phone. Please do remember to plug in the shortcut block if only one door phone is used; If more than one Video Door Phones are connected, Please plug in the shortcut block on the furthest door phone.

When in stand-by state, press "👤", the screen will show the image of No.1 door station and tenant can intercom with No.1 door station.

Press "👤" again to shut off the screen. Within 10 seconds, tenant press "👤" again, the screen will show the image of No. 1 door station if there is not No.2 door station, or show the image of No.2 door station. To end it,

press "👤" again,

The monitor will stop monitoring automatically after 1 minute.

Press "🔓" to unlock the visitor when monitoring and return to the state of monitoring after 7s.

5.6 Volume adjustment:

When in stand-by state, press "🔊" for 5s until there hears the ringtone. Press the unlock button to adjust the volume range from high/medium/low; Choose the suitable ringtone volume, and without operation after 5s, it will save the volume and exit the ringtone setting.

5.7 Door phone secondary-unlock:

In any cases, tenant press the secondary-unlock button, the port in the door phone will export a switch signal to control the door.

6.0 Troubleshooting

P. Problem S. Solution

⌘ P. The Door Phone can't work at all.

S. A. Check the wiring is connected properly and firmly inserted into the terminals.

B. Make sure AC plug is firmly inserted into the AC outlet and Make sure it's power on.

C. Check if the Pin Sockets are in the correct connection (5.2)

⌘ P. When there is call from the Door Station, there is no ring tone and no display in the monitor.

S. Check the wiring if proper connected.

⌘ P. When two Door Stations connected, only one of them can work and the other can't.

S. A. Check the wiring to see if the Door Station connected properly.

B. Check the Door Station Encoding to see if one of them encoded as main No. 1 Door Station and the other encoded as sub Door Station.

⌘ P. When try to unlock, the unlock indicator LED light but fail to unlock.

S. A. Check the wiring to see if connected properly.

B. Check the wires you use. Above 0.5mm² wires recommended.

C. Check the wiring distance, the unlock distance from Door Phone to Door Station should be less than 50m for 0.5mm² wires and 100m for 1.0mm² wires.

⌘ P. Sound is too low or too large

S. Adjust the volume adjustment to the desired level.

7.0 Terminal Description

Terminal Marks	Discription
DATA	Audio and data transmission
GND	Ground wire
+12V	+DC12V supplied from door phone to door station
VIDEO	Video signal transmission from door station to video door phone
+12V	Input +12VDC transmission
GND	Ground wire
L+/L-	Output port of unlock signal

8.0 Specification

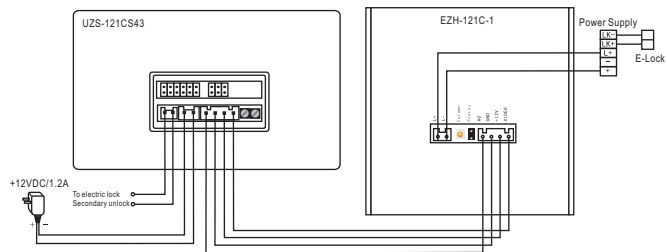
Model number	UZS-121CS4
LCD	4.3" LCD
Standby Current	≤150mA
Working Current	≤640mA
Working Temperature	-20℃ ~ +55℃ (-22°F ~ 131°F)
Working Humidity	45%~95%
Back Light	Built In
Video System	PAL/NTSC
Resolution	320 (RGB) x240
Distortion	≤5%
Sensitivity	≤20mV
Viewing angle	12°
Voltage Input	100VAC~250VAC
Power Output	≥500mA
Current Output	1.2A
Voltage Output	+12VDC
Sound Level	≥72dBA
Wiring Distance	100m
Wire Core	4 Cores
System Wire(≤50mm)	RVV4×0.5mm ²
System Wire(≤75mm)	RVV4×0.75mm ²
System Wire(≤100mm)	RVV4×1.0mm ²
Outside Dimension	220x133x23mm

9.0 Caution

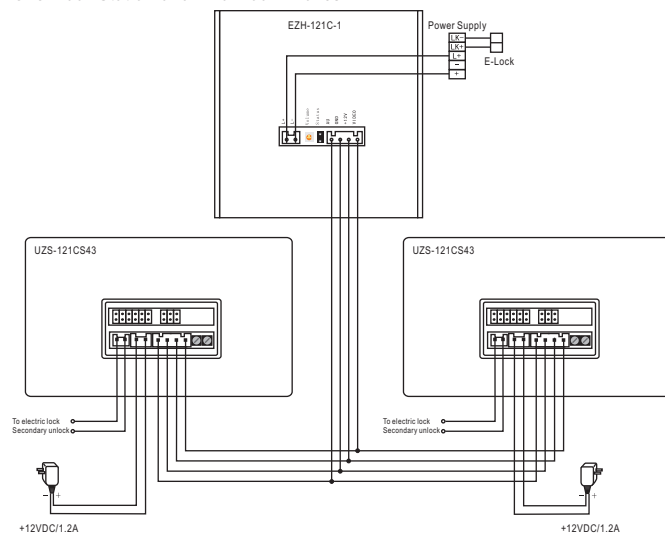
1. Do not install the stations in any of the following locations, as it can cause fire, electric shock or unit damage:
 - ⌘ High or extreme cold temperature area, under direct sunlight, near equipment that varies in temperature, in front of air conditioner, inside a refrigerated area, etc.
 - ⌘ Places subject to moisture or humidity extremes (bathroom, cellar, greenhouse, etc.)
 - ⌘ Places subject to environmental conditions, such as oil, dust, chemicals, salt, etc.
 - ⌘ Places subject to constant vibration or impact.
 - ⌘ Where noise-generating devices such as TV or radio are close by.
 - ⌘ Places subject to steam or smoke. (near heating equipment or cooking surfaces)
2. Be sure to cut off the power during installation.
3. Do not attempt to change or alter the equipment. It can cause fire or electric shock.
4. Do not plug or unplug with wet hands. Electric shock could result.
5. Do not use any power source other than specified. Fire or electric shock could result.
6. Make sure wires are connected properly before plugging in power supply.
7. If the system is found of any malfunction, please cut off the power and inspect according to the Troubleshooting. If it is unable to find the causes, please contact the sales agent or the manufacturer's after-sales service department. Do not repair or replace the parts by yourself, otherwise the system may be damaged.

10.0 Wiring

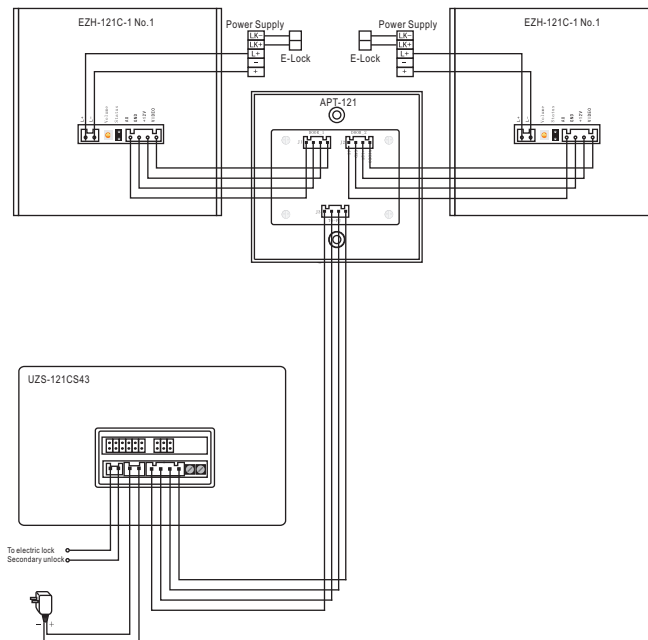
One Door Station and One Door Phone



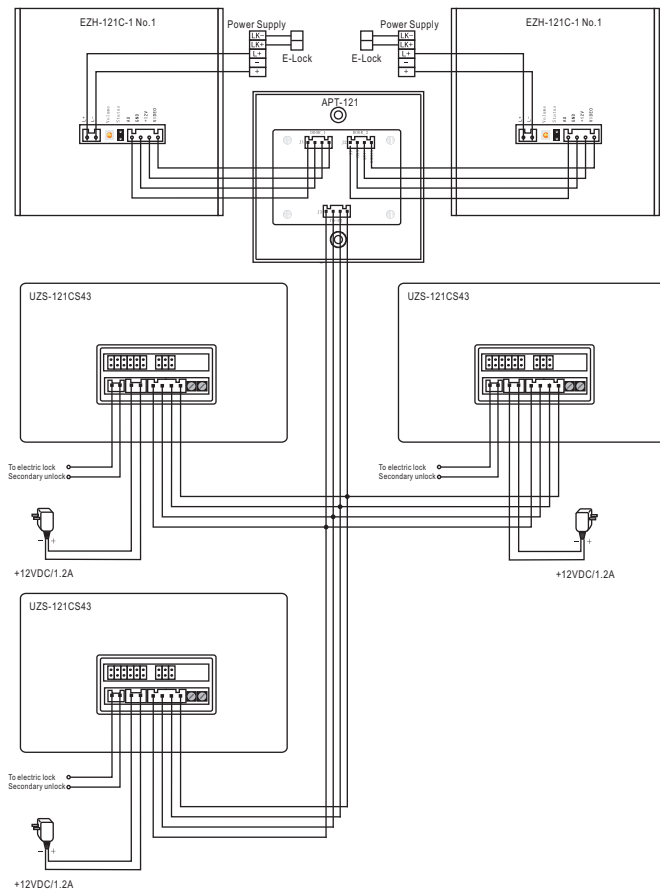
One Door Station and Two Door Phones



Two Door Station and One Door Phone



Two Door Station and Three Door Phones



Two Door Station and Four Door Phones

