Instruction（Version H2)

WRT®

UZS-121CS7

INSTALLATION MANUAL

Welcome

Thank you for choosing WRT products. Please read this manual carefully before use and keep it properly for future reference. WRT reserves the right to change specifications or designs described in this manual without notice and without obligation.

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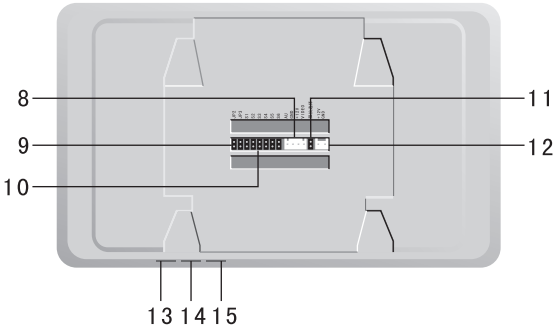
System Functions

1.1 Suitable for single house and villa system intercom.
1.2 Can talk with the visitor standing in the doorway.
1.3 Call other door phone and intercom..
1.4 Door release.
1.5 Color video and monitor the doorway status captured by the door station.
1.6 Up to 2 door stations can link up with max.4 door phones.
1.7 Surface mounting, easy to operate.

UZS-121CS7

Front View

Back View



1.LCD Display 2.Speaker 3.Indicator LED 4.Mornitor Button 5. Door Release

6. Talking/Hanging Up/Calling 7. Microphone

8. +12VDC Output and Socket for Video&Audio Signal Transmission 9. Outdoor Station Selection Socket

10. Code Socket 11、Impedance Selection Socket 12、+12VDC Input Socket 13. Volume Adjust

14. Chromaticity Adjust 15. Brightness Adjust

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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 has any malfunctions, please cut off the power and inspect referring to the Troubleshooting. If you can not 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.

Installation

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).

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

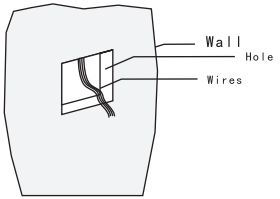

Figure 1

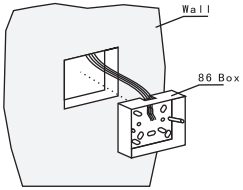

Figure 2

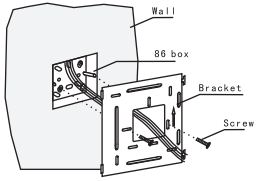

Figure 3

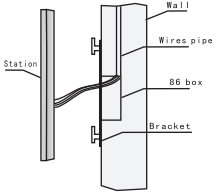

Figure 4

3. To fix the 86 box to the bracket with 2 screws. (Figure 3)

4. Connect the wires .Put the station on the bracket and adjust it untill it is stable. (Figure 4)

Operation

Up to Four Door Phones can be connected in one system. Under normal condition, the indicator LED flashes with one second's interval. During conversation and ringing, the indicator LED flashes.

Short-circuit pin socket for Door Phone

There are many groups short-circuit pin socket in the backside of monitor, do the right selection before using.

Impedance selection pin socket : Resister selection for Video matching.

Plug in the jumper when only one Monitor connected;When more Monitors connected, just plug in for the far-end one and remove the rest.

JP2 Pin Socket: The ring tone from Door Station Selection. For FZH-121C Door Station using only.

Plug in the jumper when only one Monitor connected; when more Monitors connected , just plug in for one Monitor only, remove from the others.

Jp3 Pin Socket: The Code of Door Station selection.

For FZH-121C Door Station using only.

Always plug in the jumper in all Monitors when it connected with FZH-121C Door Station; Remove the jumper if it connected with the other Door Station.

S1 Pin Socket:

A. Using with FZH-121C Door Station: Plug in the jumper when only one Monitor connected; when more Monitors connected , just plug in for one Monitor only, remove from the others.

B. Using with EZH-121C Door Station: code selection for the apartments .

Operating

S1-S6 Pin Socket: To be code Selection for EZH-121C Door Station.
It can connected with Max. 64 residential flats.

Code Selection

There are six pin sockets (S1–S6) in the backside of Monitor, itection when connected with EZH–121C Door Station using. You must do the right matching according the Binary code (1, 2, 4, 8, 16, 32), and plus together +1.

As Flows:

PIN	S1	S2	S3	S4	S5	S6
NUMBER	1	2	4	8	16	32

Answering Calls from Door Station

When there is a call received from the Door Station, the image from the Door Station will auto-display on the screen.

To talk with the visitor, press " " button. The max. conversation time is 2 minutes.

To release the electric lock for the visitor, press " " button.

To end the conversation, press " " button, or the system will shut off automatically in 7seconds after pressing " " button.

If there is no answer for the call within 30 seconds, the display will shut off automatically after 2 beeps.

Operation

Calling Door Phone(s)

When in standby, press " " button, you can call other Door Phone(s) connected.

When ring back tone is heard, you can wait for the answer.If busy tone is heard, please try again later. The chime tone last about 10 seconds if nobody answers the call. If somebody answers the call, you can talk with him/her. The max conversation time is 2 minutes.

To end the conversation, press " " button.

Answering Calls from Door Phone

When there is a call received from one of the door phones,all other door phone(s) connected ring at the same time and there are no image on the screens.

To answer the call, press " " button. The max conversation time is 2 minutes. To end the conversation, press " " button . The conversation will end with two beeps.

Monitor

You can monitor the sound and doorway image captured by the Door Station(s) for up to 1 minute.

There is an impedance selection socket in the back side of the Door Phone. If there is only one Video Door Phone Connection,Please do remember to plug in the jumper. If more than

Operating

When only one Door Station connected

When in standby, press " 🔓 " button, the image captured by the Door Station will appear on the screen, and the outside sound will not be heard. The inside sound will not be heard at the door station too.

To end the monitoring, press " 🔓 " button again, or the monitoring will automatically shut off auto-matically in 1 minute.

When two Door Stations connected

When in standby, press " 🔓 " button, the image captured by the main Door Station will appear on the screen; press " 🔓 " button again, the monitoring will shut off. Within 5 seconds, press " 🔓 " button again, the image captured by the Sub Door Station will appear on the screen.

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Specifications

Input Voltage	+12VDC
Working Humidity	45%~95%
LCD	7.0″LCD
Sensitivity	≤20mV
Distortion	≤5%
Back Light	Built In
Static Current	≤80mA
Working Current	≤500mA
Sound Level	≥72dBA
Temperature	-20℃~+55℃
Angle	12 degree
Signal System	PAL/NTSC
Output Power	≥50mW
Screen Pixel	336960dots
Screen Dimensions	17.5cm(7.0″)
Talking Time	150S
Wires	RVV4×0.5mm^2≤50m RVV4×0.75mm^2≤75m RVV4×1.0mm^2≤100m
External Dimensions	285x170x28mm

Input Voltage	100VAC~250VAC
Output Voltage	+12VDC
Output Current	1.2A

Accessories and Wires Descriptions

Accessories:

12V/1.2A power supply.....1PCS
180mm 4-wire connector.....1PCS
Short Cut board.....9PCS
180mm 2-wire connector.....1PCS
Positioning card.....1PCS
User Manual.....1PCS

Terminal Instruction

Terminal Marks		Description
Audio&Video Terminal Transmission and Power Control	AU	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
AC Input Jack		Input +12VDC transmission
		Ground wire

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Trouble Shooting

P. Problem S. Solution

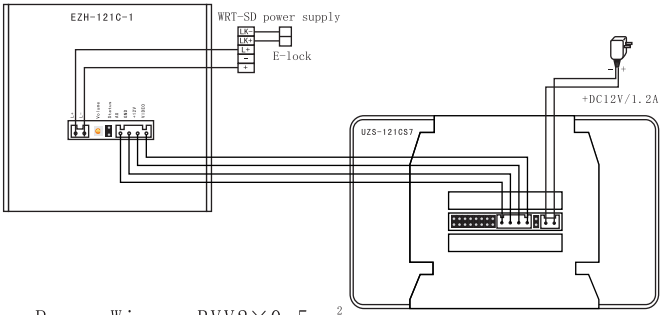
P. The Door Phone can't work at all.
S. A. Check the wiring is connected properly and firmly inserted into the

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.

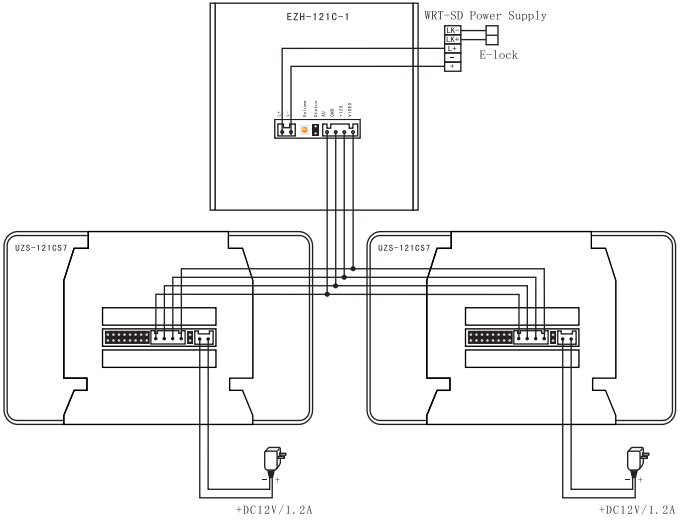
P. When try to unlock, the unlock indicator LED light but fail to unlock.
S. A. Check the wiring to see if connected properly.

One Door Station and One Door Phone

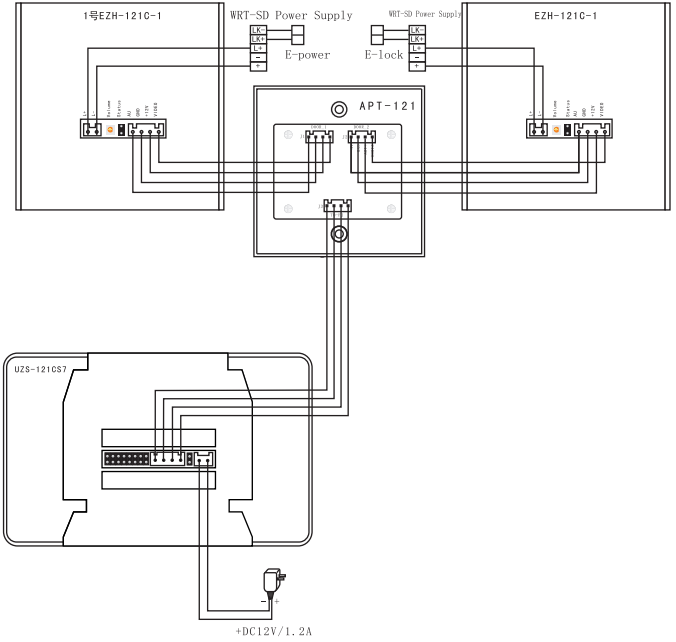


Power Wires: RVV2×0.5mm^2

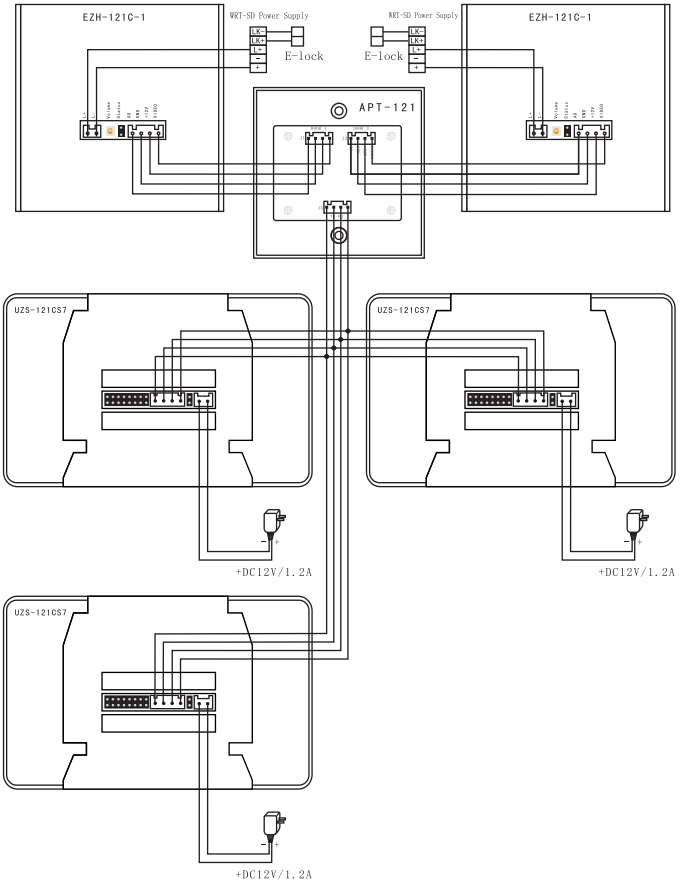
One Door Station and Two Door Phones



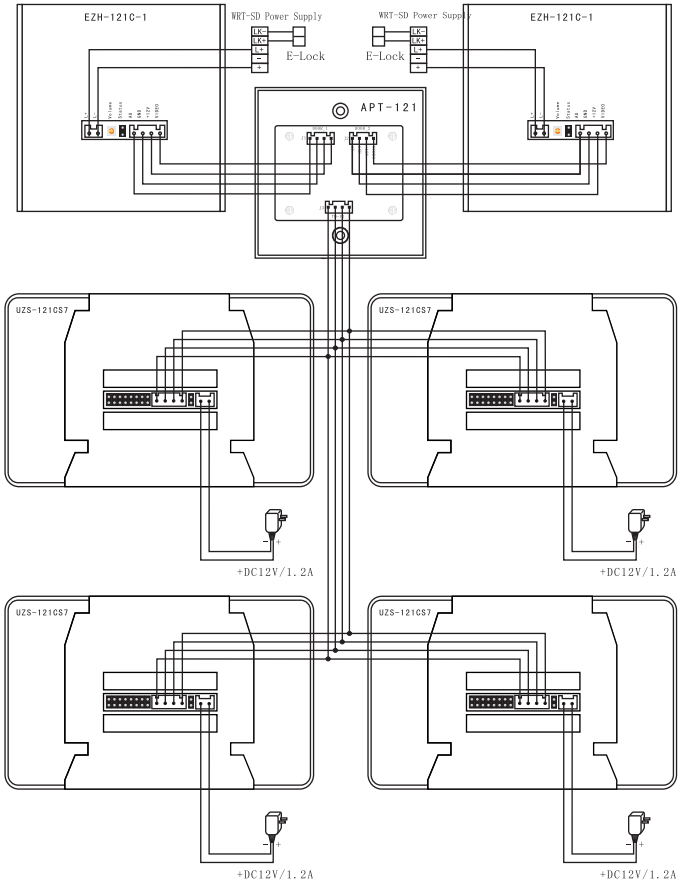
Two Door Stations and One Door Phone



Two Door Stations and Three Door Phones



Two Door Stations Four Door Phones



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