WRT®

121 System Instruction

Model： C2S-121B

C2S-121CS4

1. Brief Introduction：
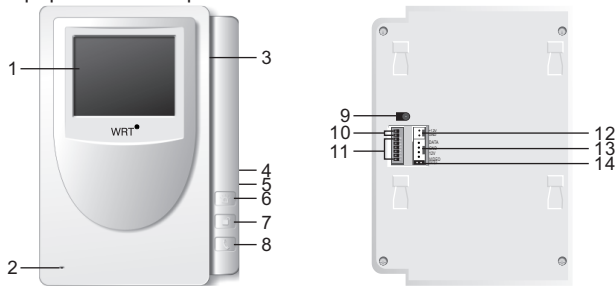
① Used in 121 system.

② 4.0″B/W（C2S-121B）/Color（C2S-121CS4）Display，monitoring Functions.

③ Receive calls from front door camera.

④ Unlock the doors.

⑤ Call other sub-phones.

There are two ways for power input: though Jack for adaptor or through socket for power supply.

2. Equipment Description：

1. LCD Display   2. Microphone   3. Speaker   4. Volumn Adjustment
5. Brightness Adjustment   6. Call Button   7. Unlock／Monitor
8. Intercom   9. Jack for +12VDC power adaptor   10. Choice for Front
Door Camera   11. Socket for Coding   12. Socket for 12VDC Input
13.Socket for 12VDC Output&GND&A/V   14.Socket for Video Impedance

3. Installation：

① Embed a 86 box in the wall.

② Fix 2 screws to the hole of 86 box .

③ After connecting the transmission wires, hang the door phone on the screws and pull it until it is stable.

4. Operation：

Max capacity : 2 front door cameras can link with max 4 indoor monitors.

※ Instruction of socket for short circuit pin and coding(Only valid when switched to "NO")

There is a group of short circuit pins and several switches for coding on the back of the monitor.Please follow the instruction below to set the status for them before using.

Socket for video impedance: This is for choosing the resistance for the the video signal. When there is only one monitor, please plug the short circuit chip in this socket. When there are more than one monitors, you just need to plug in the short circuit chip for one monitor(This principle also applies for Socket 8 and 1.)

Socket 8：Choose the ringtone for monitors. When there is only 1 monitor, please switch to "NO" for Socket 8.(Work with camera: FZH-121).

Socket 7：Choose the model for front door camera. When the front door camera is FZH-121, please switch to "NO" for Socket 7 for all the monitors. If the front door camera is other model, than no need to switch to "NO".

Socket 1：Same principle as socket for video impedance. However, if the monitor connects with the front door camera for apartment: EZH-121C, this socket is for numbering the monitors.

Socket 1～6：These sockets are for numbering the monitors when the monitorconnects with the camera: EZH-121C.(Max 64 households can be supported in the apartment system.)

※ Numbering the monitors：

When the front door camera is EZH-121C(for apartment), you must

number the monitors with the socket from 1~6. The way of numbering is : adding the number which the socket represent to, then add 1 to the sum you got. The final sum you get is the coded number of the monitors. The number the socket represent to is as following:

Socket:	1	2	3	4	5	6
Number:	1	2	4	8	16	32

For example: If you want to number a monitor as Monitor 1, then do not plug the short circuit chip for any socket from 1~6. If you want to number a monitor as Monitor 16, then switch Socket 1,2,3,4 to "NO"(because 1+2+4 +8=15).

If there are more than one monitors in one family, then number the monitors as the same.

※ **Answering calls from the front door camera**

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

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

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

To end the conversation, press " 📞 " button.

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

※**Calling Other Door Phone(s)**

When in standby, press" 🔔 "button, you can call other door phone(s) conne -cted.

If busy tone is heard, please try again later. The chime tone last about 30 seconds if nobody answers the call.The max conversation time is 2 minut -es. 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 cameras 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 one video door phones connected, please plug in the jumper for the video door phone of longest wiring distance and do remember to remove the jumpers for others. When in standby, press " 🔓 " the image from camera 1 will appear on the screen；press " 🔓 " button again, the monitoring will shut off. Within 10 seconds, press " 🔓 " , the image captured by the Camera 2 will appear on the screen.

In monitoring status, you will hear busy tone when you call the door phone from the camera.

5.Specification：

Voltage Input…………………………+12VDC	
Standby Current……………………≤70mA	
Working current……………………≤650mA(B／W)/≤380mA(Color)	
LCD Screen…………………………4. 0″	
Resolution…………………………105600dots	
Sensitivity……………………………≤20mV	
Distortion……………………………≤5%	
Sound Level…………………………≥70dBA	
Power Input…………………………≥5mW	
Humidity……………………………45%～95%	

Working Temperature................-20^0C~$+55^0$C

Wires for power........................$RVV2 \times 0.5mm^2$

Wires from Door Camera

to Monitor................................$RVV4 \times 0.5mm^2 \leqslant 50m$

$RVV4 \times 0.75mm^2 \leqslant 75m$

$RVV4 \times 1.0mm^2 \leqslant 100m$

Dimensions...............................$165 \times 230 \times 50mm$

6. Accessories

180mm two-wire connector..........1 pcs

180mm four-wire connector..........1 pcs

User's manual.............................1 pcs

7. Trouble shooting

Troubles	Solutions
There is no sound and no display in the monitor.	Check if the power wiring is connected properly.
When there is call from the Door Station, there is no ring tone and no display in the monitor.	Check the wiring if connected well.
There is no sound or Sound is too low.	Adjust the volume adjustment to the proper level.
Monitor can not unlock the door.	Check unlocking wires to see if is is the wires recommended.
Monitor 1 can talk to the front door camera, but can't talk to Monitor 2.	Check if the wiring between Monitor 1 and Monitor 2 is connected properly.

8. Wiring diagram

One camera can connect to max four monitors.

One camera with two monitors

Two cameras with one monitor

No. 1 EZH-121C-1   WRT-SD power   WRT-SD power   No. 2 EZH-121C-1

LK+ / LK+ / L+ / - / e-lock

APT-121

C2S-121B/C2S-121CS4   +12VDC/1.2A
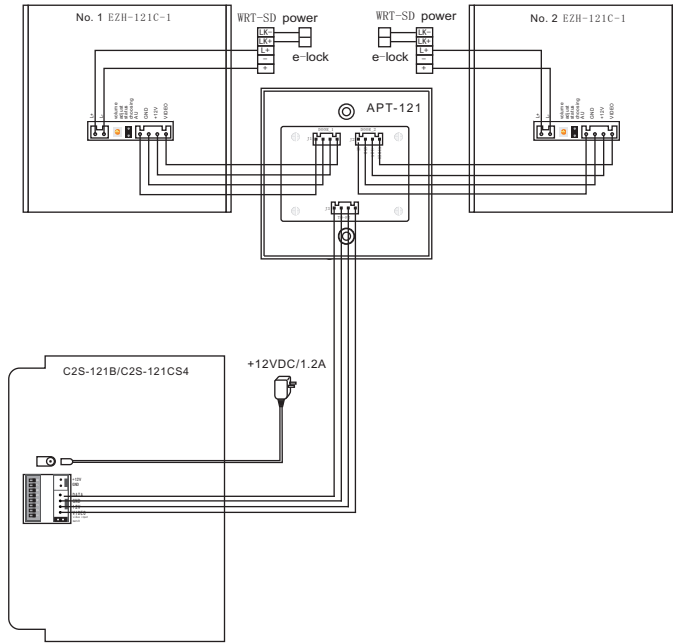
Two cameras with two monitors

No. 1 EZH-121C-1   WRT-SD power   WRT-SD power   No. 2 EZH-121C-1

LK+ / LK+ / L+ / e-lock / e-lock

APT-121

C2S-121B/C2S-121CS4   +12VDC/1.2A   C2S-121B/C2S-121CS4   +12VDC/1.2A
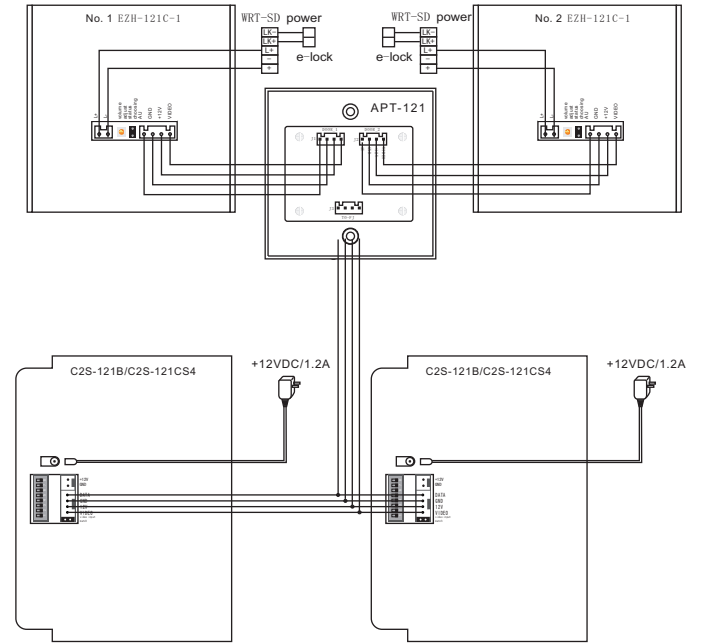
Two cameras with three monitors

No.1 EZH-121C-1 WRT-SD power   WRT-SD power   No.2 EZH-121C-1

APT-121

C2S-121B/C2S-121CS4   +12VDC/1.2A   C2S-121B/C2S-121CS4   +12VDC/1.2A

C2S-121B/C2S-121CS4   +12VDC/1.2A

9
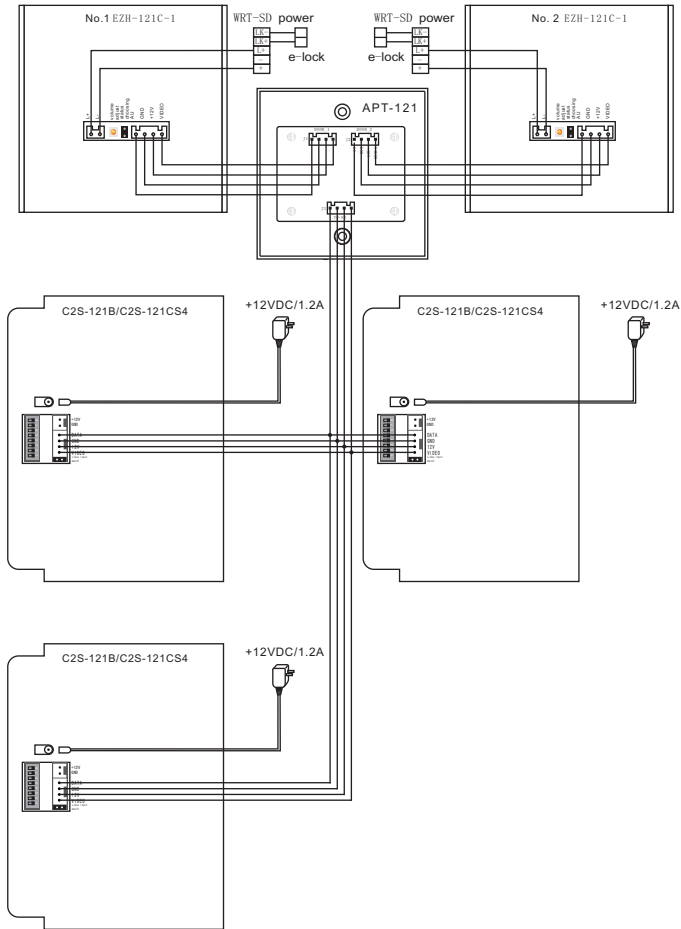
Two cameras with four monitors

No.1 EZH-121C-1 WRT-SD power   WRT-SD power   No.2 EZH-121C-1

APT-121

C2S-121B/C2S-121CS4   +12VDC/1.2A   C2S-121B/C2S-121CS4   +12VDC/1.2A

C2S-121B/C2S-121CS4   +12VDC/1.2A   C2S-121B/C2S-121CS4   +12VDC/1.2A

10