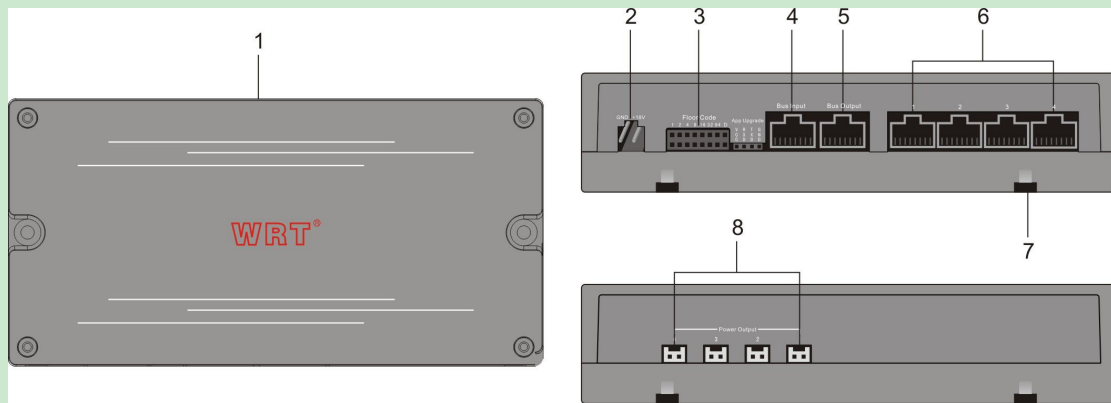


# WCPJ-212BJ4 (X)Decoder Manual

## 1.Brief Introduction:

1. Suit for the Elite ordinary series system.
2. With 4 ports output.The ports are independent,so if there is any problem in one or couple of ports, the operation of other ports will not be influenced.
3. Support monitor function for the door phones \ check pictures and SMS(optional) \ Messages \ emergency alarms \ calling.
4. The door phones and decoders are connected with RJ45 connectors.

## 2.Parts Description:



- |   |   |
|---|---|
| 1..... Cover                                    | 2..... +18V DC voltage input                                      |
| 3.....Encoding pin socket                       | 4.....Network Interface ( to Gate Station or the former decoder ) |
| 5.....Network Interface ( to the next decoder ) |   |
| 6.....Network Interface ( to 4 indoor phones )  |   |
| 7.....Guide rail locking block                  | 8.....4 ports voltage output                                      |

## 3.Cautions for operation:

- 1.Avoid direct sunlight or under extreme high or low temperature.Avoid chemistry corrosion and heavy dust.
- 2.Install the decoders to the place where is convenient for installation and debug. 200cm is recommended ( between the ground and the product ).
- 3.Cut off the power when installing.
- 4.After connected all the wires and confirmed there is no problem,then power on.
- 5.When there is any problem after powering on ,please cut off the power and check.
- 6.When problem appears,please check the devices and the wiring carefully and if you don't know how to solve the problems,please contact the after sales service department of

the suppliers. Do not fix and exchange the parts without instruction.

#### 4. Installation:

Two installation methods : 35mmDIN guide rail installation or use 2 screws to fix on the decoder

1. If using guide rail installation, purchase the matched household power distribution box, then install the guide rail into household power distribution box , and finally install the decoder on the guide rail.

2. If using screws installation , press the decoder to register the spacing of screw holes, dig 2 screw holes horizontally on the wall at the height of 167.0mm above the ground, put flexible plug inside the screw holes . Make the decoder be aligned with the screw holes, and tighten the screws.

#### 5. Operation:

Before using the decoders, please number each decoder.

On the back cover of WCPJ-212BJ4 ,there is a short-cut socket which is double row with 8 , it is used to number the decoders and select the room number, the decoders must be numbered within 127. Before using, please plug the pin to the short-cut socket. Please number the decoders by adding 1,2,4,8 code. Please see the following chart for the matchup of the socket and numbers.

Socket	•	•	•	•	•	•	•	•	Socket for room NO. Select
Code	1	2	4	8	16	32	64	D	

When the 8th pin is not plugged short-circuit block, socket 1~4 correspond to Room 1~4. When the 8th pin is plugged short-circuit block, socket 1~4 correspond to Room 5~8. The irregular room numbers can be modified through the gate stations. (You can read the manual of gate station.)

Example 1: Plug short-circuit block into socket 1,2,4,32 and the 8th pin ,it means the number of this decoder is 39 (1+2+4+32=39), then the 4 output socket for door phones are room NO. 3905, 3906, 3907 and 3908.

Example 2: There is a building, each floor with 8 rooms. So when you setting decoder ,please do as follows (for example 1st floor): use 2 decoders, plug short circuit block into one decoder at pin 1,4 ports output are 0101,0102,0103 and 0104. Plug short circuit block into another one decoder into pin 1 and the 8th pin. 4 ports output are 0105,0106,0107 and 0108. 1st Floor is OK!

2. Decoder can setting ring tone of door phone. Open the decoder, there is a SW2 double row socket with 2-place on the PCB. When all positions of SW2 without plugging short pin, ring tone of door phone is NO. 1. When left positions of SW2 with plugging short

pins,ring tone of door phone is NO.2.When right positions of SW2 with plugging short pins,ring tone of door phone is NO.3.When all positions of SW2with plugging short pins,ring tone of door phone is NO.4.When one video door phone is in the status of talking to the gate station,the guard station can still call the door phones connected to the other decoders.Only one video door phone connected to the same decoder can talk to the entrance station at the same time.

3. When video door phone is monitoring or checking the message, guard center or entrance station or gate station call the video door phone, the decoder will shut down the screen or check the video door phone.

4. When more than one decoder is connected together, only one video door phone can be connected to monitor and talk to the gate station or entrance station.

5. The alarm signal can be received at any time.

6. UTP 5 cable is adopted in the system,and the making of RJ45-8P with international Standard(T568B),as follow:

1	2	3	4	5	6	7	8
Orange&White	Orange	Green&White	Blue	Blue&White	green	Brown&White	Brown
W-O	O	W-G	BL	W-BL	G	W-BR	BR

7. Wire size from door phone to decoder:use one cable when distance less than 20 meters,use one cable + RVV2\*1.0mm power supply wire when the distance between 20 meters and 30 meters.

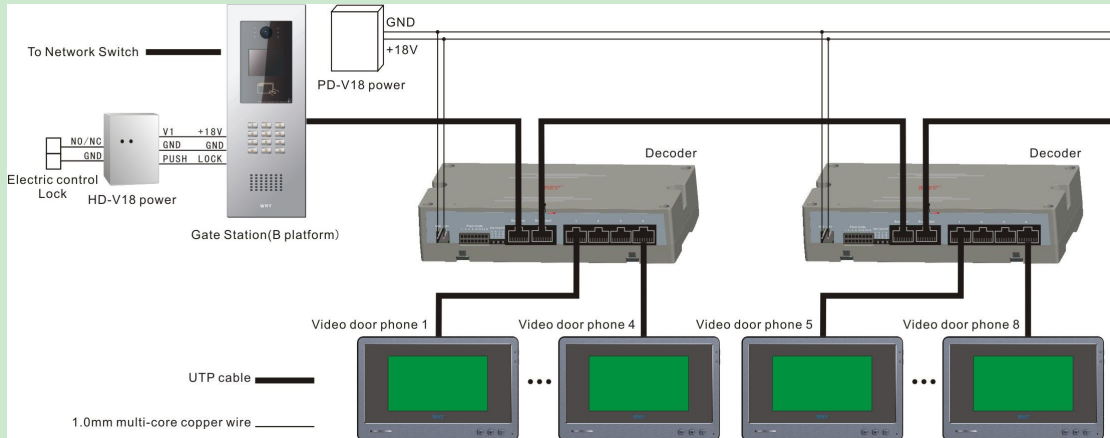
8. When connecting power supply,it should be one to one.Such as power supply output port 1 connects with door phone which cable port is 1,and so on.

9. One power supply PD-V18 can provide power to 35 decoders and 140 door phones.

## 6.Specifications:

Max capacity----- 4 families  
 Input voltage-----+18VDC  
 Standby current-----≤70mA  
 Working currency-----≤300mA  
 Input impedance-----75Ω  
 transmission band-----32Hz—62MHz  
 Dimensions-----180.0x90.0x40.0mm

## 7.Connection:



When the distance from door phone to decoder over 20 meters,so it should be added a power supply wire,as follows:

