Prison Shielding System

Product Manual

Interference chassis photo

Pic 1 Front view

Pic 2 Back view

Pic 3 Interface diagram

Control chassis photos

Pic 4 Display figure

Pic 5 Interface figure

1 Function and application

The prison chassis system is a signal shielding device specifically designed for high-security places such as prisons and detention centers. It is mainly used to block illegal communication and prevent inmates from making internal and external contacts or committing criminal activities through mobile phones, wireless devices, etc.

1.1 Product Features

1) Full frequency band coverage

Supports indiscriminate interference to mainstream communication frequency bands such as 2G/3G/4G/5G, Wi-Fi, Bluetooth, GPS, and walkie-talkies (UHF/VHF), ensuring that all kinds of wireless signals cannot be transmitted.

2) Frequency adjustment

The centralized control and management platform can adjust the interference frequency bands to cope with the frequency band jumps of new communication technologies or illegal devices.

3) Real-time status monitoring

It is equipped with an internal self-check module to provide real-time feedback on the operating status of the equipment (such as power, temperature, and fault alarms), reducing the cost of manual inspection.

4) Centralized remote control

It can be remotely operated through the prison security system integration platform to adjust the interference strategy, on/off status or coverage area in real time.

1.2 Product parameters

1）Jammer Case

Frequency	GSM:750-866MHz、855-900MHz、940-980MHz、1880-1995MHz LTE:2100-2170MHz、2300-2480MHz、2620-2700MHz、3300-3600MHz
Function	Block the mobile phone signal
Interference range	Directional flat panel antenna：10-500m
Power supply mode	Alternating current AC220V
Battery life	Work 7x24 hours
Operating temperature	-10℃-75℃
Protection grade	IP67
Weight	58.1kg
Power consumption	1600Watt
Size	80.5*50.5*31cm

2）Control Case

Function	Remote control
Connection method	Wireless digital & cable front-end ports
Display screen	10.5*6.8cm
Size	48.5*40.5*9cm
Weight	4.4kg

2 Shipment and Quality

2.1 Shipping list

Jammer Case	1pcs
Antenna	Default: Directional flat panel antenna； Support customization
Jammer Case Power Cord	1pcs
433Antenna	2pcs
RJ45Network cable	3pcs
Remote control box	1pcs
Remote control box power cord	1pcs
Switch	16 port

2.2 Delivery method

1）It is transported in the form of a complete machine and does not support SKD or CKD full frequency band coverage

2）Pre-shipment testing is conducted to ensure functionality and quantity

3）Provide technical guidance and, if necessary, offer on-site installation guidance by technicians

4）Customized wooden box

2.3 Quality Assurance

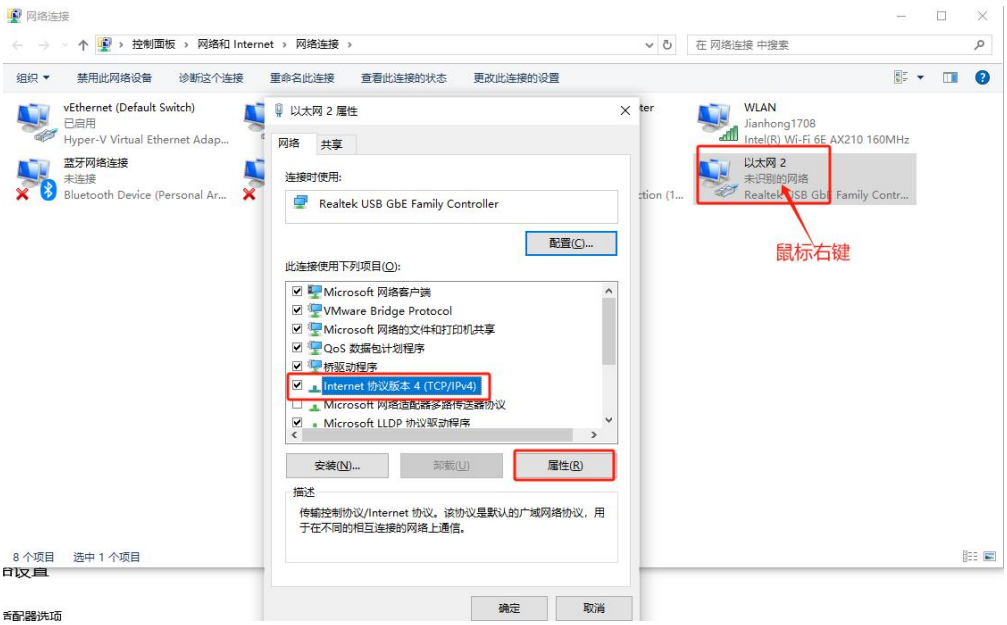
From the date of sale, if the damage is not caused by human factors, it is guaranteed for one year.

3 Installation Manual

3.1 Configuration parameters of the network port on the computer end

1）IP address setting

Set the computer's IP address to 192.168.10.6 according to the contents shown in Figures 6 and 7 below



Pic 6 Address setting

Pic 7 IP address

3.2 Set the number of relays controlled by the central control

1) The wiring diagram is shown in Figures 8 and 9

Pic 8 Wiring Diagram 1

①AC220V power interface

②PC network cable interface

③Switch cable port

④433 Antenna Port

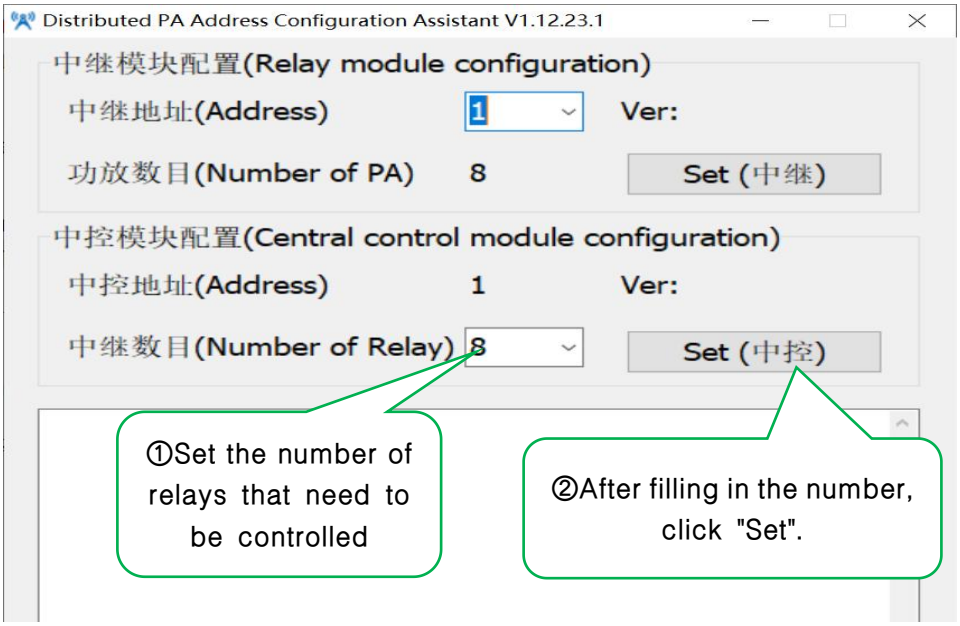
Pic 9 Wiring Diagram 2

①Display screen

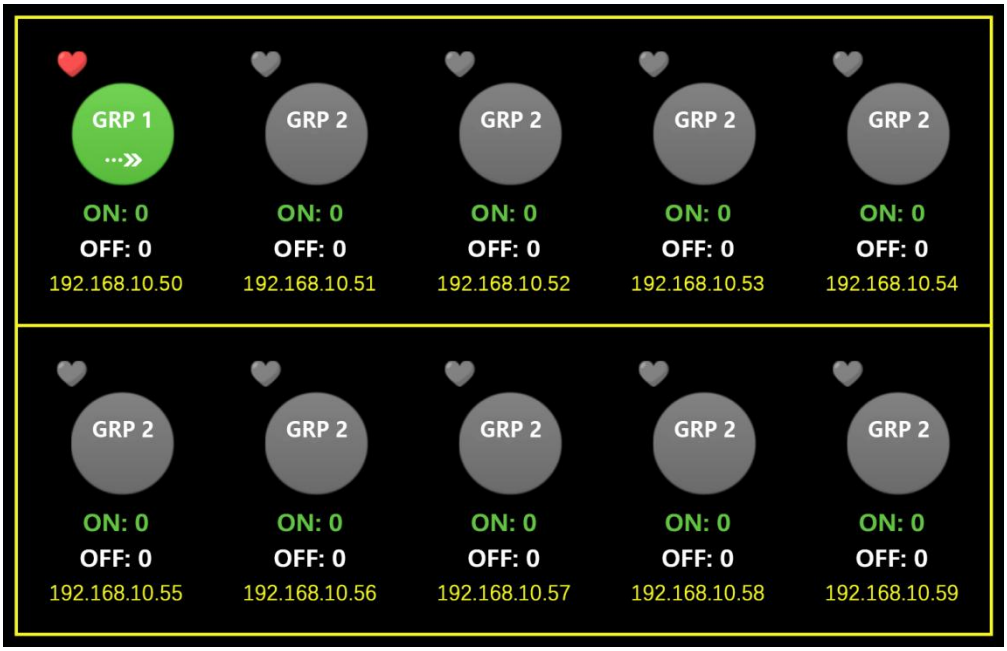
②Power button

Connect the power cord, PC terminal network cable, switch network cable and 433 antenna in sequence as shown in Figure 8, and then press the power button in Figure 9 to turn on the central control device

2） Set the number of relays



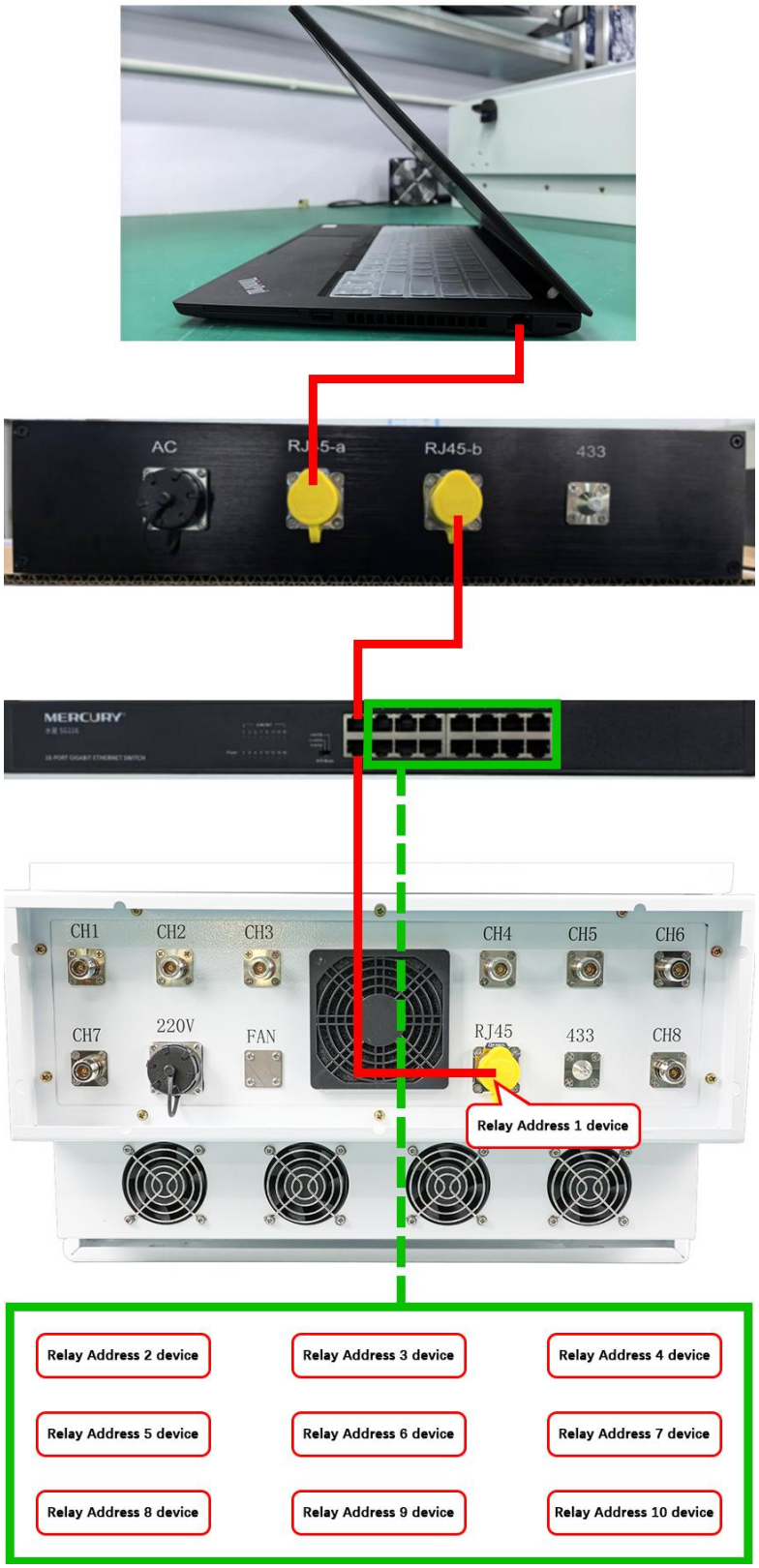
Pic 10 Set the number of relays



Pic 11 Upper computer interface

Open the upper computer software "Distributed PA Address Configuration Assistant V1.12.23.1", and set the number of relays to be controlled according to Figure 10. The set number will be displayed on the central control screen (as shown in Figure 11)

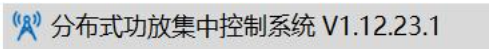
3）System wiring diagram

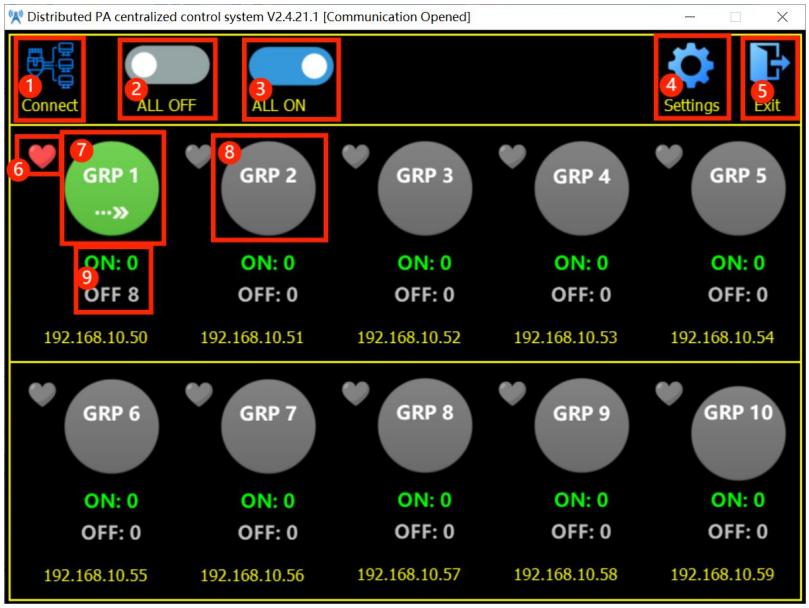


Pic 12 Schematic diagram

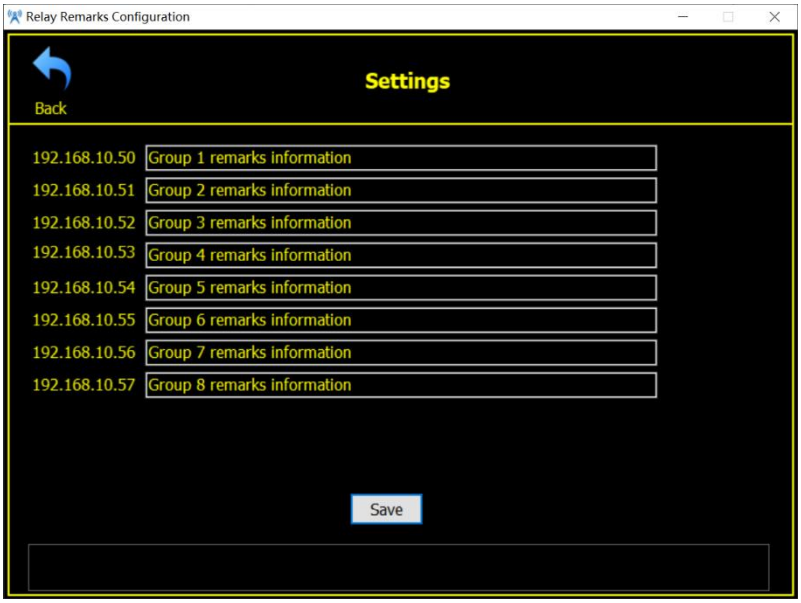
4） Product Features

On the computer, open the upper computer of the control system "Distributed PA Centralized Control System V1.12.23.1"





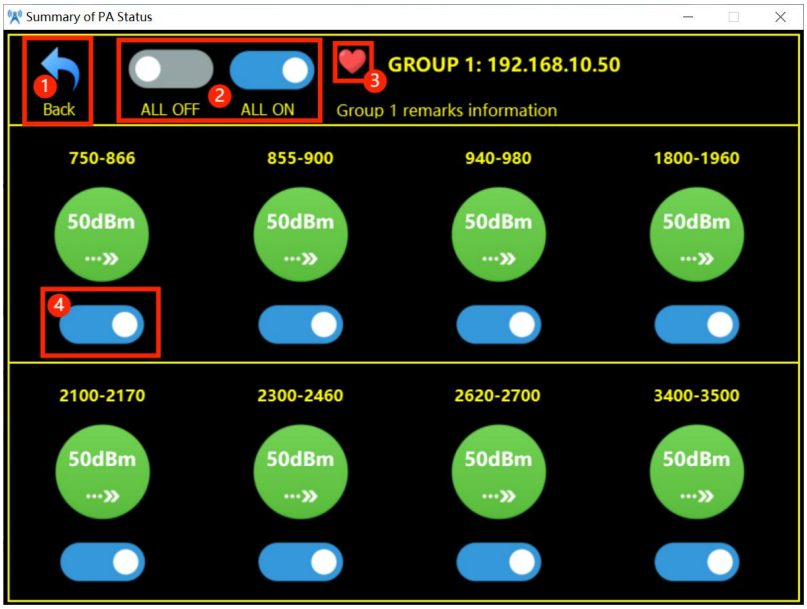
Pic13



Pic 14

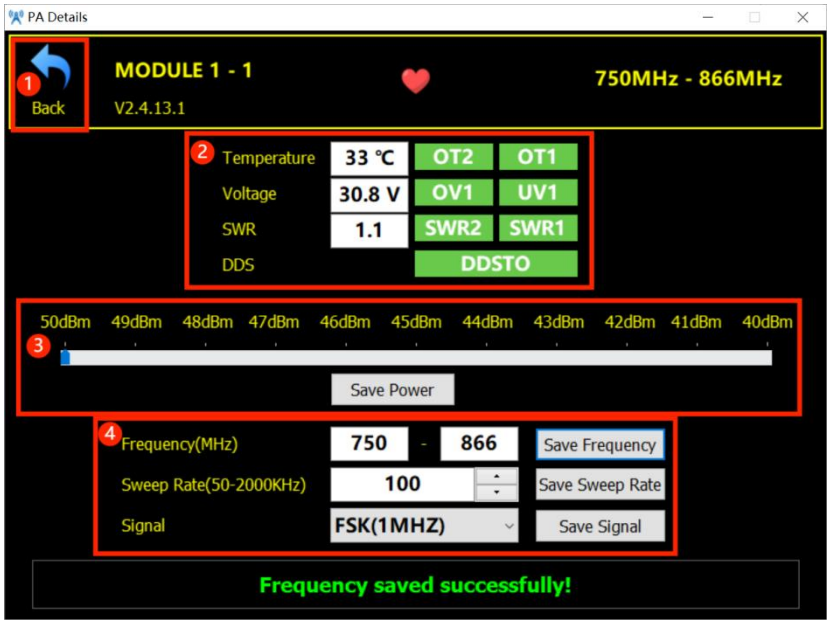
①Network connection
②Turn off all power amplifier buttons
③Turn on all power amplifier buttons

④Set the location of the connected relay address device (as shown in Figure 14)
⑤Exit
⑥The connection status between the central control and the relay
⑦Connected equipment
⑧Unconnected device
⑨The number of power amplifiers turned on and off in this device



Pic 15

①Return
②Turn off and on all power amplifier buttons of this device
③The connection status of the central control and relay of this device
④Power amplifier switch button



Pic 16

①Return
②Power amplifier status information

③Power gear adjustment
④Settings for frequency, scanning time and interference mode

4 Test

1）Communication connection test

2）Functional connection test

3）Test video