

# WIRELESS FIRE ALARM CONTROL PANEL

BR-ZN-W868

## User's Manual



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**Shandong BeiRenHuiZhi Energy Development Co., Ltd.****CATALOGUE**

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## 1. OVERVIEW

Wireless fire alarm control panel BR-ZN-WG868 have some prior advantage, such as no wiring,easy to install,multiple alarm,strong stability,easy to operate. This panel is widely used for home, warehouse, apartment, restaurant, hotel ect.application area.

### (1) FUNCTION FEATURE

- Menu setting and operation, convenient and quick.
- Site the fire location rapidly, display alarm room number and voice prompt specific fire point.
- Multiple alarm, high decibels voice alarm, up to 10 phone alarm(8 public+2 room owner).
- Control 1800pcs alarm detectors
- 300 rooms can be connected to the control panel, and each room can be installed up to 6 alarm detectors.
- A set of alarm output ends (switch output)

### (2) PERFORMANCE PARAMETER

- POWER OUTPUT 12V 1.5A, battery output 7.4V 2AH
- Standby current <120MA
- Alarm current <600mA
- Work temperature: -10~45°C
- Relative humidity: 5%~90%

### (3) STANDARD CONFIGURATION

- Host 1
- Antenna 1
- Power adapter 1
- Instructions 1
- Mounting plate 1
- Expansion screw 3

## 2. INSTALLATION

- Take out the panel from the package, put the GSM SIM card into the card slot, tighten the antenna.
- Connect the power adapter to open the panel, opening interface wait for 30~120s to enter the initial menu.

- The upper left corner of panel desktop shows the signal intensity of the SIM card, the upper right corner shows power state and battery power.
- Set the panel according to the user's manual.
- Doing distance matching test after setting done.

### **Attentions**

- Support any GSM network mode 2G SIM card.
- Insert and take out the SIM card at power-off state.
- Without SIM card, the panel can only alarm but can't send message and dial.

## **3. QUICK CHECK**

Press different digital key from initial menu to check the panel records via pressing "UP" "DOWN" key and "BACK" key to sign out. Without operating within 20s, the checking status will be back to initial menu. The panel will record the latest 50 information.

Different digital key's function details,

Press "1" shows start record

Press "2" shows power-off record

Press "3" shows alarm record

Press "4" shows under-voltage record

Press "5" shows communication abnormal record

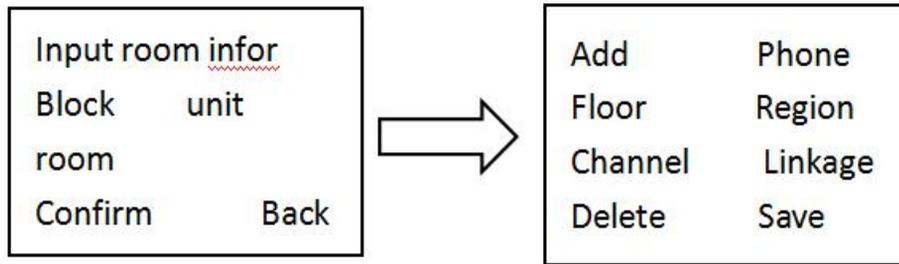
Press "6" shows removed record

Press "7" shows panel address and version number

Press "8" shows added detectors count record, GD is gas detector, SD is smoke detector, HD is heat detector, RT is signal repeater, MB is manual button, SR is sound and flash siren, WS is wireless switch, EP is expander, PD is pressure display module.

## **4. SET ROOM**

Room setting diagram is as following,



- (1) Set 31 block 01 unit 1701 room, “set room” →input 31011701→Confirm
- (2) Set No.1 public phone number, “set public phone”→choose”1”→input 0531123456789→ Confirm
- (3) Set floor, when you need to set linkage, please set “floor”→input 07→Confirm.
- (4) Set storage is used for adding expander, “0” is panel storage, input 1~8 is for different expander storage.
- (5) Set channel 118, “Channel” →input 118→Confirm.
- (6) Set unit linkage, “linkage”→input 3→Confirm.
- (7) Every time modify the room information, please press “save room”.
- (8) When delete all rooms, please press “delete”.

#### Attentions

- 2 room owner’s phone number can be added to the panel’s room setting, the number is longest 14 bits.
- Floor is 2 bits, range 01~99.
- Storage (expander) area range 1~8.
- Channel is 3 bits, range 001~050.
- Linkage is 1 bit, “0” is no linkage, “1” is current floor linkage, “2” is current floor and neighbouring floor linkage, “3” is current unit linkage, “4” is current block linkage, “5” is all linkage.
- Every room can be added to 6 pcs detectors, such as no words(not added any detector), SD(smoke detector), HD(heat detector), GD(gas detector), MB(manual button), SR(sound and flash siren), WS(wireless switch), RT(repeater), EP(expander).
- Floor, storage, channel and linkage should be set well before adding detectors.
- Room default set floor is 001, default set linkage is “0”(no linkage), default set channel is panel channel NO.

## 5. SET PUBLIC PHONE

The control panel will send alarm message to the public phone numbers after the panel alarms.

Press the “phone” key, 8 public phone numbers can be added.

For example, set the third number to be 123456789.

“phone”→“3”→input 123456789→Confirm.

## 6. MANUAL LINKAGE

To open and shut the siren or wireless switch, according to the inputted linkage parameter.

Set format: x type xx floor xx unit xx block

For example, open 31 block 1 unit 17 floor alarm devices, linkage type is current floor.

Open the sound and light siren→input 1170131→Confirm→acting.

Attention:

Linkage type: input 1 checking floor, open current floor’s sound and light siren.

Linkage type: input 2 checking floor, open current and neighbouring floor’s sound and light siren.

Linkage type: input 3 checking unit, open current unit’s sound and light siren.

Linkage type: input 4 checking block, open current floor’s sound and light siren.

Linkage type: input 5 not checking floor, open all sound and light sirens.

## 7. ADD EXPANDER

Storage area range 1~8, input expander number to transfer current storage area’s devices to expander. One expander can be added up to 200 detectors.

For example, adding expander 1 storage area 1.

Input 1→Confirm→Acting→adding the expander→over

## 8. SET SWITCH

(1) Small networking platform switch

After opening the switch, The first public phone number send text messages and alarm information network platform.

After shutting the switch, The public phone number recovery common telephone function.

(2) Under-voltage, remove and communication abnormal switches

Start monitor switch, The control panel start monitor of under-voltage, remove and communication

abnormal. Close monitor switch , failure of telephone, SMS and platform function.

Start telephone switch, when alarm , can call pre set phone number.

Start SMS switch, when alarm, can send message to pre set phone number.

Start the platform switch, when alarm , can send alarming information to networking platform switch.

## **9. MODIFY PASSWORD**

This function modifies the control panel to unlock the password, input the 4 digit password, and click the confirmation to modify the new password.

## **10. DELETE ALL ROOMS**

Click this function to delete all the room content stored in the control panel.

## **11. SET OTHER**

(1) Modified channel

This function sets the native channel. Note: devices of different channels can not communicate with each other.

(2) Check time

Click to query native time, Show the date.

## **12. ALARM PROCESS**

(1) Hang up Alarm Telephone

At the alarm, press the "hang up" key to exit the alarm state. In order to avoid frequent entry to the alarm state, within 3S does not deal with the wireless alarm signal after the alarm state has just dropped out.

(2) alarm muffling

When alarm , press the "Return", the control panel will be muffle the alarm voice, but the alarm state can't close.

(3) Alarm notification

When the control panel receive the signal of detector alarming, the control panel will alarm with voice, and start the sound and light alarm, and wireless switch .

When the control panel connects GSM network, Once the alarm, first send message to phone number , then

call phone number, Finally , the control panel send alarming information to Urban networking platform

Message format: xx block xx unit xxxx room x detector

### 13. SET IP ADDRESS

The control panel is connected with the city fire networking platform, and the setting method is as follows: compiling fixed format SMS in control panel, message format is lwpt+ address +, + port number +brhz control panel.

Example: set the platform URL 114.215.136.218 port number 08000

The text message "lwpt114.215.136.21808000" is sent to the gateway, and the SMS “Set Up Successful” will be received in about 5 minutes.

Note: both characters and numbers are in English and no Chinese characters are contained in the URL. The length of the URL is not more than 60 characters, and the message lwptbrhz is sent to the gateway, it will delete the address.

### 14. INSTALLATION ATTENTION

The power supply should be plugged firmly and ensure good heat dissipation

The location of the control panel should not be close to the objects with strong interference, such as the TV, the computer, etc.

The control panel is an indoor product, not for outdoor use

The location of the installation must be avoided in the rain and wet places.

### 15. SAFETY WARNING AND PRECAUTIONS

Before using this control panel, please read and observe the following matters needing attention in order to avoid dangerous or illegal conditions and to ensure the best performance of this control panel.

#### Medical equipment

The radio waves generated by this control panel may affect the normal work of an implantable medical device or a personal medical device. Such as pacemaker, cochlea implantation, hearing aid and so on. If you use these medical equipment, please confirm the matters needing attention of the medical equipment with the manufacturer.

#### Flammable and explosive areas

Do not use this control panel at the gas station (repair station) or near combustible goods and chemicals, and comply with all graphic or text instructions. The control panel in or around the storage of a fuel or chemical agent

or in a transport area or a explosive place may cause an explosion or fire.

Do not store or transport control panels and their accessories with flammable liquids, gases or explosives in the same box.

### **Operating environment**

Do not charge or use the control panel in the gray, wet, dirty, or near the magnetic field, so as not to cause the internal circuit failure of the control panel.

There is a clear provision for the prohibition of the use of wireless devices, please close the control panel.

Please put the control panel or accessories in a ventilated, cool, and sunny place, Please do not seal to package the control panel or do not put things on the control panel, Do not place the control panel in a box or carton, To avoid damage to the control panel caused by bad heat dissipation.

When the control panel uses the power adapter, keep the ambient temperature at -10 C ~45 C. When the control panel is powered by a spare battery, keep the ambient temperature at -10 C ~45 C. Please do not use it outside the above temperature range. When the ambient temperature is too high or too low, it may cause fault.

In thunderstorm weather, it is recommended to close the control panel and disconnect the connection between the power adapter and the external power supply, and do not touch the control panel antenna. Do not touch the antenna during the call, the touch antenna will affect the quality of the call, and make the power of the control panel higher than the power required for the normal use. Try to place the control panel in the good location of the network signal. The distance between the control panel and other metal items (such as metal stents, metal doors and windows, etc.) is greater than 50cm, and the distance between the same control panel is greater than 100cm.

### **Original accessories**

Only use original accessories provided by the control panel manufacturer, If any non - original accessories are used, it is possible to affect the performance of the gateway, In violation of the warranty clause of this gateway and the relevant regulations of the state on communication terminal products, it even causes personal harm.

### **Use of batteries and chargers**

If the charger power line has been damaged, do not continue to use it so as to avoid electric shock or fire.

The battery has a certain service life, when the standby time of the gateway is obviously shortened, please replace the battery.

Do not connect the metal conductor with the battery so as not to cause the battery short circuit, and the body burns caused by the overheating of the battery.

Do not connect the metal conductor with the battery so as not to cause the battery short circuit, and the body burns caused by the overheating of the battery.

Do not disassemble or refit the battery, so as not to cause the battery to leak, overheat, fire or burst.

Do not contact the skin or eyes if the battery is leaking liquid; If contact with the skin or eyes, please rinse with water immediately and go to the hospital for medical treatment.

If the battery has abnormal phenomena such as discoloration, deformation and abnormal fever during use, charge or preservation, please stop using and replace the new battery.

Do not throw the battery into the fire, or it will cause the battery to fire and burst.

Maintenance and maintenance

Please keep the control panel and its accessories dry. Do not use the microwave oven and other external heating equipment to dry it.

Do not make the control panel and its accessories strongly impacted or vibrate, so as not to damage the control panel and its accessories, or to cause the battery to burn or to explode.

Please do not use strong chemicals, cleaning agents, or strong detergents to clean the equipment or their accessories. Please turn off the device before cleaning and maintenance, and disconnect the charger and the control panel.

Please do not dismantle the control panel and accessories without authorization, otherwise the control panel and accessories will not be within the warranty of the company.

## 16. COMMON FAULT ANALYSIS

<b>Problems</b>	<b>Reason</b>	<b>Processing method</b>
Can't call person alarm	Phone number setting error	Reset according to the instructions
The control panel can't receive the wireless signal	Environmental interference; improper assembly of components; distance too far away.	Adjust the position of the component
The control panel report "network" connection failure	Arrears; SIM card connection failure	Recharge phone bill, power off and Reinsert the SIM card