

# 99-channel wireless calling server ZJ-43 User Manual

## Introduction

Thanks for choosing this wireless calling system. The receiver server use RF wireless and learning code technology. It realize 99 channels 4 partitions display function. The host not only has function of wireless calling service, but also can be used as a wireless 99 security areas alarms. Also it has adjustable voice prompt, different calling records display, and LED digital display functions.

The wireless calling system has millions of different code which can be paired easily and freely. And it is widely used in restaurant, café, bar, tea shop, KTV, bank, office, factory, hotel, hospital and so on.

## Technical data

Working frequency: 433.92MHz

Working voltage: AC220V/50Hz

Standby current:  $\leq 50\text{mA}$

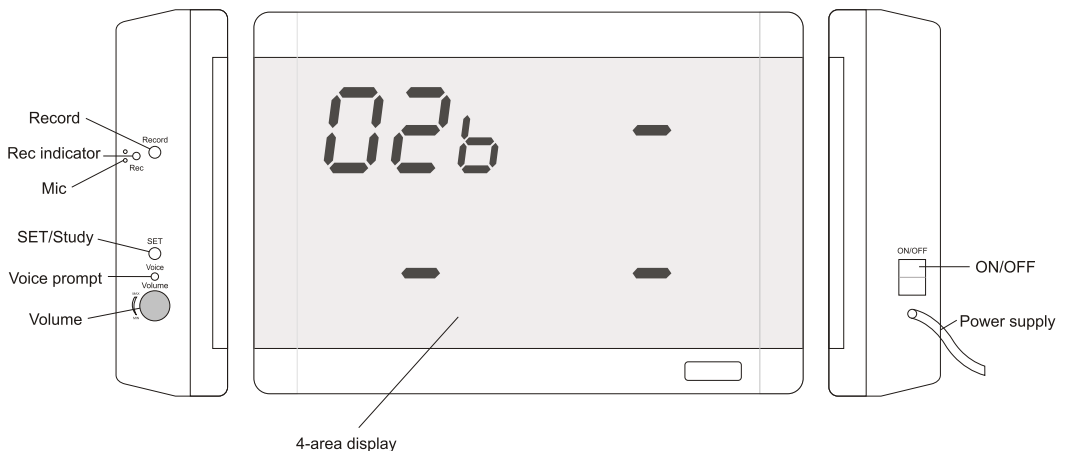
Working current:  $\leq 580\text{mA}$

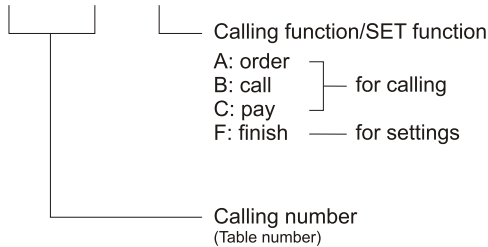
Decoding mode: learning code

Modulation: AM

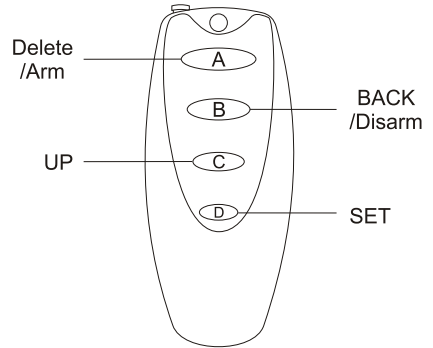
Receiving sensitivity: -108dBm

## Diagram





LED display function



Management remote controller

## Function of buttons

### 1. Button function of host

SET: short press this button to enter pairing status

Rec: press the button and hold on, to record the calling voice

Voice: select the “Dingdong” or recorded voice

### 2. Button function of management remote

A(Delete): In the working status, press this button to delete all the calling records  
In the pairing status, press this button to delete the transmitter.

In alarm system, press the button to arm(*refer to additional function part*)

B(Back): turn back to standby status;

In alarm system, press the button to disarm(*refer to additional function part*)

C(Up): In the working status, press this button to page up to browse calling records; in the pairing status, press this button to page up the number

SET: Press this button to enter pairing status

*Before using the management controller, it should be paired to number 00 on the receiver host.*

## Pairing settings

### 1. Pair the management controller

The matched management controller is paired with the receiver host in factory, if not, or add a new management controller, please do it as below:

Press the SET button on the receiver host. The display will show the 00-



Then press any button on the management controller.

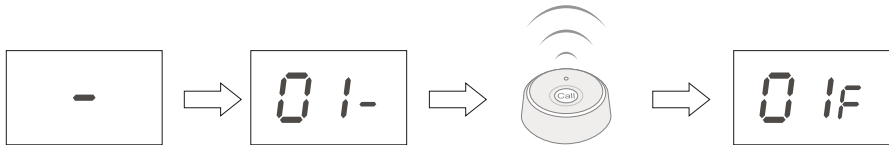


Then the display shows 00F, that means the pairing finished. After 1 sec, the display shows 00- again to pair another management controller.

Note: the management is only paired on number 00.

Now we can use the management to operate the receiver and do other pairing.

## 2. Pair the transmitter button



Press the "SET" button on the management controller.

Press "UP" button to select number from 01 to 99.

Press the transmitter button, like no. 1.

Receiver shows 01F and jump next number.

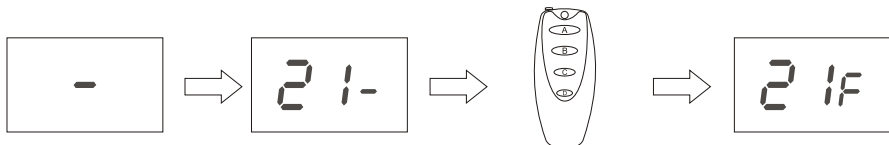
## Delete settings

### 1. Delete all the paired transmitters

Press "SET" button on the host for 5 sec, the display shows "000" and flicker one time, all the paired transmitter buttons are deleted.

### 2. Delete one transmitter

(1) Delete one transmitter



Press the "SET" button on the management controller.

Press "UP" button to select number will be deleted, like no. 21.

Press "A(delete)" button on the management controller.

Receiver shows 21F means this transmitter has been deleted.

(2) Cover by another new transmitter

Press SET and UP buttons to select number of transmitter will be deleted, and then press another transmitter to pair a new one, at mean time, the before one will be covered/deleted.

## Voice prompt

1. Voice record: press the "Record" button and hold on to record the prompt voice, like "welcome", the total time is 10 sec.
2. Press the "Voice" button to select the recorded voice or "Dingdong" voice.
3. Screw the "Volume" button to adjust the voice volume.

## Additional function and settings

There are 2 short-circuit block on the PCB board of the receiver host:

**J1:** refresh the screen automatically

**J2:** alarm system

### 1. Automatic refresh the screen

Short circuit J1 block, the screen will refresh the screen display automatically to avoid the host hang up. This function has no influence to the operation.

### 2. Alarm function

The wireless calling system also can be used as wireless alarm system. Short circuit J2 block, then the management controller is the arm/diarm controller. And pair wireless PIR sensors, door magnetic sensors etc. to the number from 1 to 99 as the defense zones. The pairing is same to the above method.

## Notice

1-button transmitter			2-button transmitter			4-button transmitter			3/6-button transmitter		
button	voice	display	button	voice	display	button	voice	display	button	voice	display
						Order	Dingdong/ Rec voice	01A	Order	Dingdong/ Rec voice	01A
Call	Dingdong/ Rec voice	01B	Call	Dingdong/ Rec voice	01B	Call	Dingdong/ Rec voice	01B			
						Pay	Dingdong/ Rec voice	01C	Pay	Dingdong/ Rec voice	01C
			Clear			Clear			Clear		

## Notice

1. Before short circuit J1 and J2, please power off the host first.
2. Long press SET button on the host can delete all the transmitters, but the management controller cannot. For other function, they are same.
3. In working status, press "Back" button to standby status, but the calling records are not deleted, press "Delete" button to delete all the calling records.
4. While used as alarm, the function of button A/B are Arm/Disarm, other buttons have same function than before.
5. While used as alarm, need add a alarm siren speaker, the internal trigger time is 2 min.