

# Queue Wireless Calling System User Manual



Wireless calling system

# Queue Wireless Calling System

## User Manual

### Summary

Thanks for choosing the queue wireless calling system. It adopts RF wireless technology with millions of different learning codes. The system includes 999-channel call buttons keypad and portable buzzer&vibration receivers. The call button keypad has 20 battery charging slots. Each receiver is rechargeable and labeled with a number. In standby status, it is plugged into the charging slot, while the client places an order, he/she will be dispatched one receiver with a number, when the order is ready, press the keypad to call the number, the client will get it through the buzzer/vibration/LED indications.

The queue system greatly improve the work efficiency and avoid the client waiting in a long queue. It is widely used in fast food restaurant, dessert shop, auto 4S shop or other queue occasions.

### Features

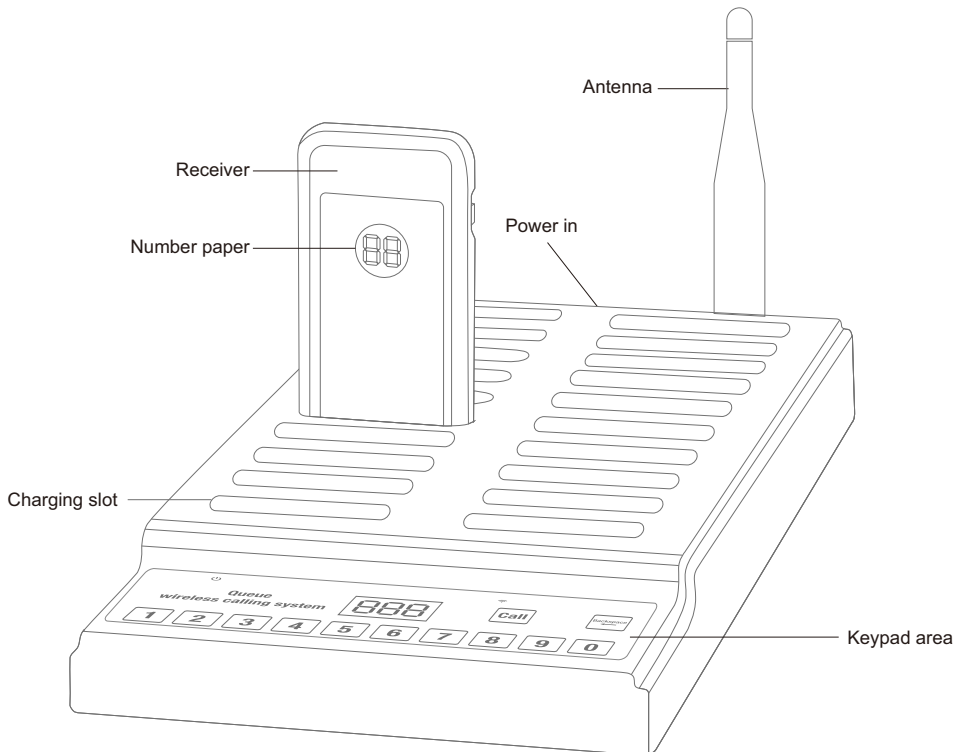
- ◆ 999 channels keypad call buttons
- ◆ 16 batteries charging slots
- ◆ Portable rechargeable vibration & buzzer receiver
- ◆ Independent storage memory avoiding data lost
- ◆ High receive sensitivity
- ◆ Self testing while power on
- ◆ Beautiful and fashionable designing

### Technical data

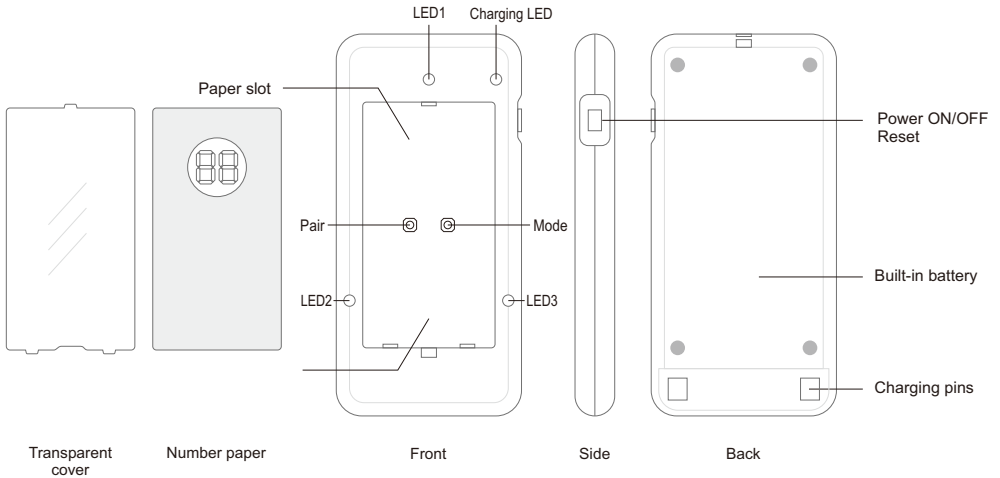
| Receiver            |                               |
|---------------------|-------------------------------|
| Working voltage     | DC3.7V (rechargeable battery) |
| Charging voltage    | DC5V                          |
| Working frequency   | 433.92MHz                     |
| Standby current     | 10±5mA                        |
| Working current     | 75±10mA (vibration)           |
| Receive sensitivity | -107±2dBm                     |
| Battery capacity    | 360mAh                        |
| Decoder             | Learning code (AM)            |
| Dimmension          | 49*101*11mm                   |

| Keypad call button |                       |
|--------------------|-----------------------|
| Working voltage    | DC5V/6A power adapter |
| Working frequency  | 433.92MHz             |
| Standby current    | 24±5mA                |
| Transmit current   | 100±30mA              |
| Encoder            | Learning code (AM)    |
| Dimmension         | 150*300*33mm          |

## Diagram of call button keypad



# Diagram of receiver



## Button function

- 【Power】** Press and hold the button for 3sec to power on the receiver, press again to power off. Short press the button to reset standby status while there is calling.

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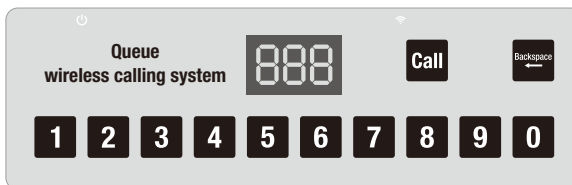
- 【Set】** Short press the button to enter pairing status; Press and hold on the button for 3sec to unpair..

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- 【Mode】** Change the prompt mode of the receiver. The upper position is vibration only; the lower position is vibration and buzzer.

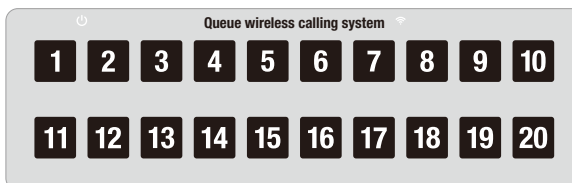
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- 【Keypad】** The call button & charger base has 2 different models, one is 999-channel keypad, another one is 20-channel keypad. The 999-channel keypad use the combination of 0~9 to generates 999 different codes; but the 20-channel keypad only has 20 different codes.



999-channel keypad

Press button from 0 to 9 to select a number from 1 to 999, then press "Call" button to send. If select wrong number, press "Backspace" to delete and select number again.



20-channel keypad

20-channel keypad, press the number button, it sends the wireless signal directly.

*Note: the below instruction is based on 999-channel keypad.*

## Operation instruction

1. Connect the call button keypad to power, it executes the self-testing procedure. Then power icon turns on.
2. Press and hold "Power" button for 3s on side of the receiver to power on, the receiver will vibrate and sound 5 times, and then LED1 indicator flickers every 3s, the receiver enters standby status. Plug the receiver to the charging slot, it vibrates and sounds 5 times and then the blue charging LED on, the receiver enters charging status.
3. When client places an order, the service people give one receiver to him(her) and note down the number.
4. While the order is ready, the service people press keypad to call the client (number), the corresponding receiver gets the information and prompts vibration/buzzer/light for 5 min. After that only the 3 LED indicators flicker.  
Press the "Power/Reset" button or plug back to charging slot to reset charging/standby status.
5. The client gives back the receiver to service people, the service people put the receiver to charging slot and provide service.
6. While the receiver is in charging, press the number on keypad, the corresponding receiver LED indicators will flicker 3 times to report its position.

### **Note:**

- 1) *In daily working, the receiver can be powered on all the time. If long time not use, power off the receiver please.*
- 2) *For a long time the receiver is not used, charge it for a while before giving to the client.*
- 3) *The receiver must be paired to the keypad before using. About how to do pairing, please refer to the pairing method below.*

## Pairing method

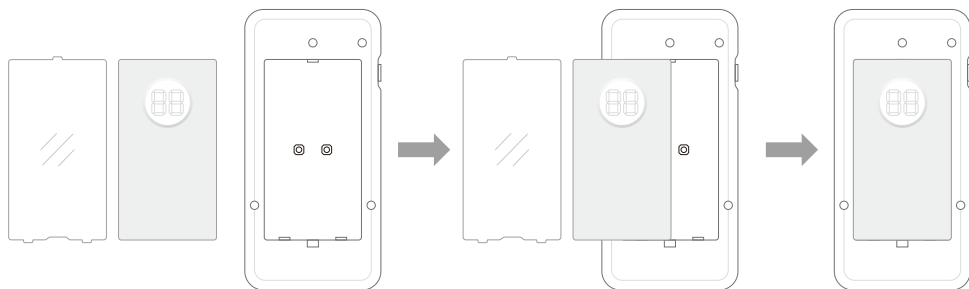
1. Paring – Short press the "Set" button, the LED1 indicator turns on, then press the call number on the keypad. The receiver gets the signal and LED1 lamp turns off. The pairing is successful. If the receiver does not gets any signal in 10 sec, it will quit pairing status automatically.
2. Deleting – Press and hold on the "Set" button for 5 sec, the LED1 indicator will be ON-OFF, then release the button, all the paired call buttons will be deleted.

**Note:** *to do the pairing or mode settings, should take off the transparent and number paper, the settings button is covered below it.*

## Change number paper

Take out the transparent plexiglass cover in the front of the receiver, then put a number paper inside the paper slot. And then put back the cover.

Note: While do the pairing operation, take out the cover and paper firstly.



## Charge the receiver

When the voltage of receiver is lower than DC3.2V, it is low power, LED1 and blue charging LED indicator flicker with short buzzer sound, please recharge in time.

Plug the receiver to the charging slot, the blue charging LED indicator will flicker, while it is charged full, the LED indicator will turn on all the time.

## FAQ

| Problems  | Reasons   | Solutions                                     |
|---|---|---|
| While power on, the number display on keypad is not on. | The power adaptor is broken.                          | Change the power adaptor.                     |
| The distance of some receiver gets near.                | The power of battery is low.                          | Charge the battery in time.                   |
| Receiver cannot get any signal from keypad call button. | The pairing is deleted;<br>The number is not correct. | Pair the receiver again to the keypad.        |
| Forget the number of receiver.                          |   | Delete the pairing first, then pair it again. |

## Packing List

| Name               | Quantity |
|--------------------|----------|
| Call button keypad | 1 pc     |
| Receiver           | 20 pcs   |
| Power adaptor      | 1 pc     |
| User manual        | 1 pc     |
| Warranty card      | 1 pc     |