

# WATCH WIRELESS CALLING RECEIVER



## USER MANUAL

# Watch wireless calling receiver

## I Preface

Thanks for using callingsys watch receiver, it adopts wireless technology, digital identify, TFT screen and high stable IC together to realize time display and wireless calling. The watch uses rechargeable battery and safe charging circuit.

The watch receiver is widely used in restaurants, bars, cafes, hospitals, hotels, and factories and so on.

## II Feature

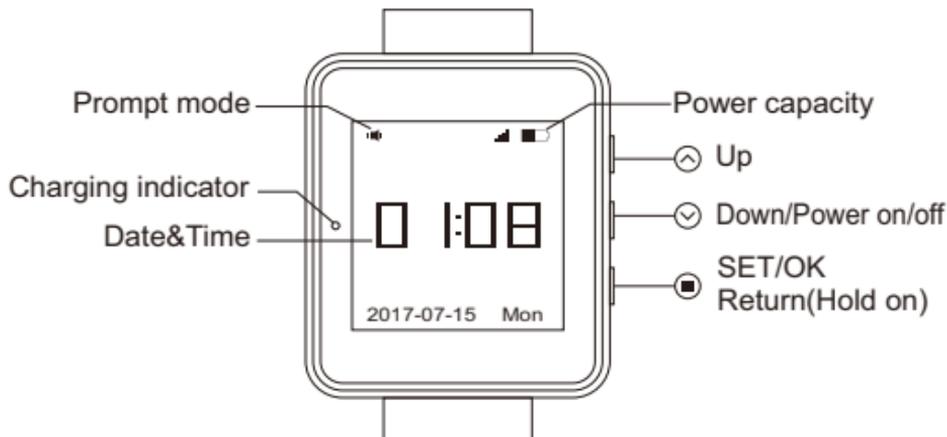
- TFT colorful screen
- RF wireless technology
- Fashionable watch design
- Fully waterproof
- Up to 999 channels
- Call button data pin support for custom
- Call button words selectable
- Single or list display mode
- Accurate time display
- Vibration/Buzzer prompt
- Low-power indication
- Built-in rechargeable battery

### III Technical Data

- 1) Working voltage: DC3.7V rechargeable Li-poly battery
- 2) Working frequency: 433.92MHz
- 3) Working current:  $57\text{mA} \pm 10\text{mA}$  (buzzer mode)  
 $95\text{mA} \pm 10\text{mA}$  (vibration mode)
- 4) Standby current:  $<8\text{mA}$
- 5) Power-off current:  $180 \pm 5\mu\text{A}$
- 6) Receiving sensitivity:  $-108\text{dBm}$
- 7) Decoding: learning code
- 8) Modulation: AM

### IV Diagram

#### 1. Diagram of function

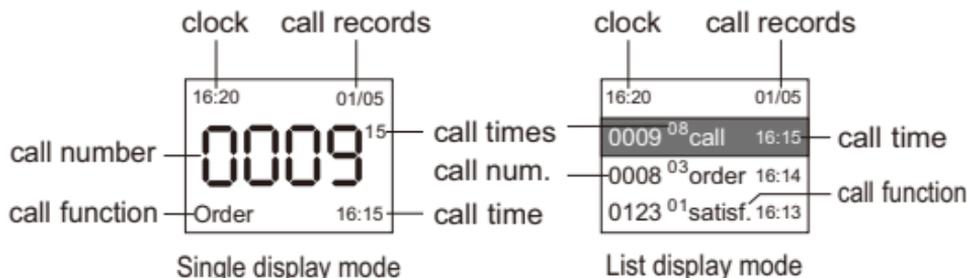


- ☐ Press the button 3s to enter settings;  
In pairing setting, press the button to change the cursor position;  
In deleting setting, press the button to delete one paired call button.  
In calling status, press the button to delete one calling record.

☐ **Hold on for return, back to previous menu**

- ⤴⤵ In pairing/deleting settings, press UP/DOWN to select the number from 0 ~ 9, A ~ Z, - \* # □.
  - in calling status, press the button to browse the calling records.
  - ⤵ Press the button 3s to power ON/OFF the receiver;  
Press the button 3s to switch on/off the receiver module;
- Note: in standby status, press any button to wake up the screen.*

## 2. Diagram of display



*Note: the software may be updated, in different versions, the interface may be little different.*

### 3. Diagram of settings menu

1	General	Button define	Define call button pin function
		Button word	Each button displayed word can be changed
		Advanced mode	If off, only work 1/2/3/4-button call buttons
		Brightness	Screen brightness 1~25
		Prompt time	Vibration or buzzer prompt time 1~10s
		OSC resistor	Optional for 200-400us/400-700us
		AntiMaliceCall	Very quick press call button ignored
		Auto off time	Screen auto off time 1~180s
2	Pair buttons	General mode	Digits + letter mode, like A1b3
		999 mode	No. 1~999 only
		Multi-ID mode	Each button can be paired as a number.
3	Delete buttons	List del mode	All paired call buttons list our for deleting
		Search del mode	Press some one call button and delete
		Del all buttons	Delete all call buttons
4	Prompt mode	Vibration	Vibration only
		Buzzer	Buzzer only
		Vibration&buzz	Vibration&Buzzer prompt
		Mute	No prompt
5	Display mode	Single	Each screen only shows one calling record
		List	Each screen can show 3 records in list
		List all	For order mode
6	Display order	Ascend	The lastest one calling record is oldest
		Descend	The lastest one calling record is newest
7	Auto clear time	000	Calling records can be cleared automatically
8	Language	English	English version
		...	Other language
9	Date&Time	16:00	Time
		16-01-08 Fri	Date and week
10	Restore default	Return	Back to previous menu
		Restore part	Restore to default except pairing data
		Restore all	All will be restored to default

## V Using method

1. Wear the watch receiver to the wrist, and put the call buttons in suitable place.
2. Press "☺" 1s button to power on.
3. Pair the call buttons with the watch receiver. (refer to below instruction)
4. When need calling service, press the call buttons, the watch receiver will receive the signal, and display number on the screen with vibration or buzzer prompt.  
If customer pressed wrong or no need just called service, press "Cancel" button to cancel the calling service. The calling record will be deleted from the calling records list on the screen.

*Note: before calling service, the transmitter should be paired to the receiver according its numbers.*

## VI Settings

Power on the watch receiver, then the screen turns on and displays the date and time, as well as other information. In standby status, press "SET" button 3 sec to enter settings. The main settings are:

Settings 1/10
<b>General</b>
Pair buttons
Delete buttons
Prompt mode

Settings 8/10
Display Order
Auto clear time
<b>Language</b>
Date&Time

## 1. General

In general settings, set the basic function of the watch receiver. Each call button has one ID number, on the call buttons, there are one or more press buttons, each button has different data pins as below:

Data pin	D0	D1	D2	D3	D0+D1	D0+D2	...	D0+D1+D2+D3
Items	A	B	C	Cenc	D	E	...	N
Default	Order	Call	Pay	Cancel	Satisfied	Dissatisfied	...	Check

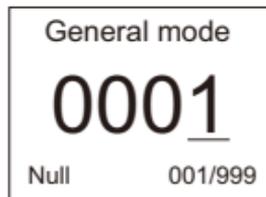
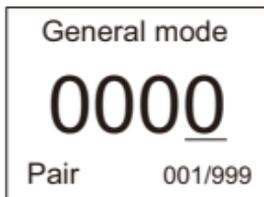
- 1) Button define:** this function can change the call button data pins. Normally no need change it, if it is changed in error, please restore to factory default.
- 2) Button word:** when press the call buttons, the corresponding word will be showed on the watch, like "Call", "Order", "Pay"...as default, but the word can be changed for different occasions. For example, select item A, press [SET] button, there is words list, select one which you want to show.
- 3) Advanced mode:** if not open advanced mode, the watch receiver only receive the D0/D1/D2/D3 data.
- 4) Brightness:** set screen brightness 1 to 25.
- 5) Prompt time:** set vibration or buzzer time from 1 to 10s.
- 6) OSC resistor:** support 200-400us and 400-700us call buttons.
- 7) Anti-Malious Call:** when call button is pressed very quickly, it only recognize one time.
- 8) Auto off time:** Screen auto off time from 1 to 180s.

## 2. Pair buttons

### 1) Pairing call button

In pairing settings, there are 3 pairing mode, "General mode", "999 mode" and "Multi-ID mode".

a) In "General mode", there are 4 digital position, each position can be select from "0~9, A~Z, - \* # \_ " characters. You can set any words or letter+digit, like 0001, 56-9, RM33, HELP, A1B2 etc.



Press [SET] button to select the position, then press [UP/DOWN] to adjust the value to select a ID number, then press any button on the call button (transmitter), the watch will receive the wireless signal and record it on this number, the status will turn to "Paired" and jumps to next number automatically.

b) If no need complicated using environment, please select "999 mode" which ID is number only, from 1 to 999.

c) In multi-ID mode, each button on the transmitter can be paired as a call button.

### 3. Delete buttons

There are 3 ways to delete paired call buttons:

**1) List del button:** in this mode, all the paired call buttons are showed in the list, you can select one by one and press [SET] button to delete.

2) **Search del button:** if there are too many paired call buttons, it is hard to select one. In this mode, press the call button, it jumps to the number, then press [SET] button to delete.

3) **Del all buttons:** in this mode, all the paired button will be deleted.

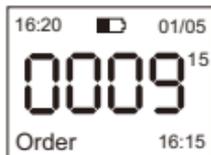
#### 4. Prompt mode

There are 3 prompt modes when there is calling coming.

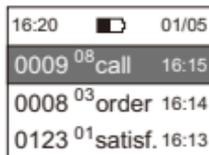
- 1) Vibration
- 2) Buzzer
- 3) Vibration & Buzzer
- 4) Mute

#### 5. Display Mode

The calling records display has 3 modes.



Single display mode



List display mode

- 1) **Single:** on each page, it only displays one record, press [UP/DOWN] button to browse others.
- 2) **List:** all the calling records display in the list, each page displays 3 records. press [UP/DOWN] button to page up/down. If one call button called many times, only one record and calling times are showed.

**3) List all:** same to “List” function, but if one call button called many times, all records are showed in the list, not show calling times.

## 6. Display Order

The calling records display has 2 sequences:

- 1) Ascend – the latest calling record is shown in the below.
- 2) Descend – the latest is calling record shown on the top.

*Note: the default is descend order.*

## 7. Auto clear Time

The calling record can be cleared automatically from the calling records list, the time is from 1 to 180s.

*Note: the default time is 000, that means no open auto clear function.*

## 8. Language

The watch receiver supports multiple languages, select and press “BACK” button to quit.

## 9. Date & Time

Press [SET] button to change the cursor position, then press [UP/DOWN] button to adjust the value.



## 10. Restore default

There are 3 options, select one and press [SET] button to restore.

- 1) **Return**– Return to previous menu, nothing changed.
- 2) **Restore part** – only system settings are restored to factory default except pairing information.
- 3) **Restore all** – all settings will be restored to factory default

including pairing information.

## VII Other Functions

### 1. Receiver ON/OFF

When the watch receiver is not in use, the receiver module can be turned off to avoid receiving the calling message.

Press [DOWN] button for 3s, there is receiver ON/OFF options.

Select one option and press [SET] button to turn off. On the top of main interface, the signal icon shows \.

### 2. Low power indication and battery charging

When the power capacity icon is close to empty, please charge the battery in time.

Insert watch to the charging base (left side first then right side), the red indicator in the below of the screen will be on, when the charging is finished, the LED indicator turns off.



Charging base

①  
Insert  
left  
side



②  
Press  
right  
side  
down

## VIII FAQ

<b>Problem</b>	<b>Analysis</b>	<b>Solution</b>
Screen has no display	Check the bat voltage; Check the screen cable	Charge the battery; Change the screen cable
Some call button has less distance	Battery of call button is close to empty	Change the battery of call buttons
The watch receiver cannot be charged	Check power adapter; The battery is broken	Change power adapter; Change the battery
Call buttons cannot be paired	The frequency is not same or OSC resistor is correct.	Change the correct frequency and OSC resistor.

## IX Packing List

- 1) Watch receiver 1pc
- 2) Power adapter 1pc
- 3) USB cable 1pc
- 4) User manual 1pc
- 5) Warranty card 1pc