

WATCH WIRELESS
CALLING RECEIVER
USER MANUAL

Watch wireless calling receiver

I Preface

The product concentrates the technology of wireless transportation, digital identify, dot matrix LCD display and microprocessor together to realize the functions of time display and wireless calling. The product uses removable rechargeable battery with long standby time and safe charging circuit.

The fashionable watch design makes it widely used in restaurants, bars, cafes, hospitals, hotels, and factories and so on.

II Feature

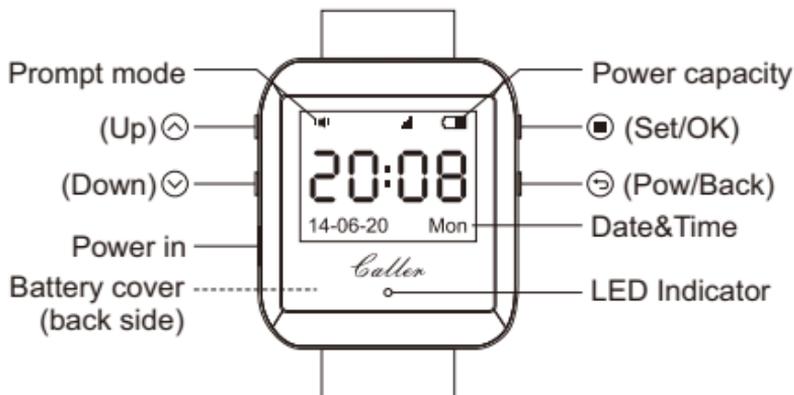
- RF wireless technology
- Fashionable watch design
- Dot matrix LCD screen
- Up to 999 channels
- Call button data pin support for custom
- Call button words selectable
- Single or list display mode
- Accurate time display
- Vibration/Buzzer prompt
- Low-power indication
- Built-in removable rechargeable 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: -108dBm
- 7) Decoding: learning code
- 8) Modulation: AM

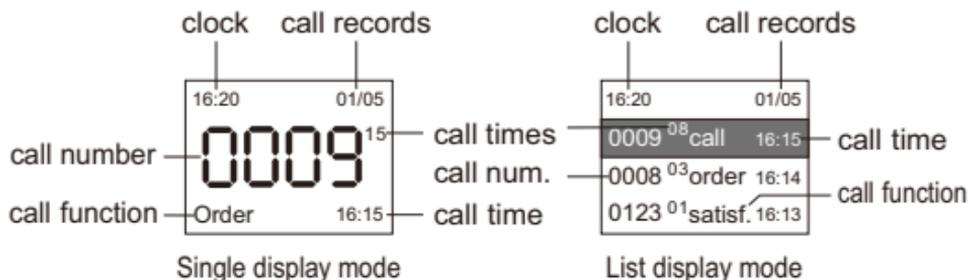
IV Diagram

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.
 - ⊖ Press the button 3s to power ON/OFF the receiver;
 - Press the button 3s to switch on/off the receiver module;
 - In settings, press the button to back previous setting or quit settings;
 - ⤴ 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.
- Note: in standby status, press any button to wake up the screen.*

2. Diagram of display



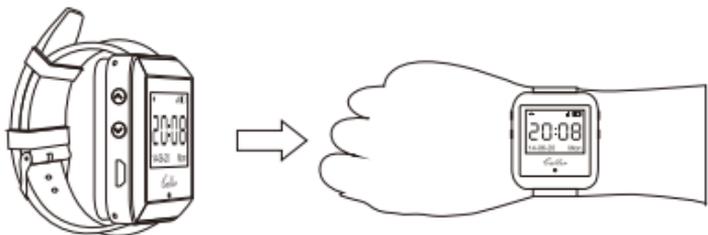
Note: the software may be updated, in different versions, the interface may be little different.

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 |
| | | Back light time | Back light time 5~15s |
| | | Prompt times | Vibration or buzzer prompt time 1~10 times |
| 2 | Pair buttons | General mode | Digits + letter mode, like A1b3 |
| | | 999 mode | No. 1~999 only |
| 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 |
| 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 latest one calling record is oldest |
| | | Descend | The latest 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 | No | No |
| | | 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 "POW" 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 LCD 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 |
|----------------|
| General |
| Pair buttons |
| Delete buttons |
| Prompt mode |
| Display mode |

| Settings 8/10 |
|-----------------|
| Display Order |
| Auto clear time |
| Language |
| Date&Time |
| Restore default |

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 buttons 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.

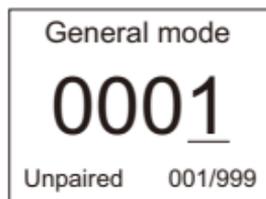
- 3) **Advanced mode:** if not open advanced mode, the watch receiver only receive the D0/D1/D2/D3 data.
- 4) **Back light times:** set back light time from 5s to 15s.
- 5) **Prompt time:** set vibration or buzzer times from 1 to 10times.

2. Pair buttons

1) Pairing call button

In pairing settings, there are 2 pairing mode, one is “General mode”, another one is “999 mode”.

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.

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

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.

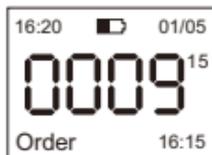
4. Prompt mode

There are 3 prompt modes when there is calling coming.

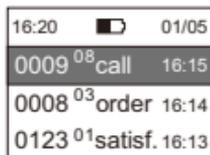
- 1) Vibration
- 2) Buzzer
- 3) Vibration & Buzzer

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. Press [UP/DOWN] to adjust the value.

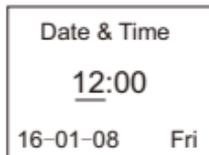
Note: the default time is 000, that means no open auto clear function.

8. Language

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

9. Date & Clock

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) **No** – Nothing restored.

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 [POW] 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.

While connect to the power adapter, the red indicator in the below of the screen will be on, when the charging is finished, the LED indicator turns off.

Note: in first 3 times, suggest charging 8~12 hours; in normal use, the charging time is about 4 hours.

VIII FAQ

| Problem | Analysis | Solution |
|--------------------------------------|---|--|
| LCD 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