



# RETEKESS TD124 Wireless Calling Receiver User Manual

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## TD124 Wireless Calling Receiver User Manual

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### Summary

Thanks for choosing this wireless calling receiver. The receiver host adopts RF wireless and learning code technology. It can easily pair up to 999 channels of wireless calling transmitters and 10 manager remote controllers. The receiver host uses an advanced industrial microprocessor and high sensitivity superheterodyne receiving technology which makes the products very stable.

At the same time, the wireless calling receiver host has an advanced number speaker function, it can clearly read the number, function, and so on and is compatible with different working modes, suitable for different places. The wireless calling system has millions of different codes which can be paired easily and freely. And it widely used in restaurants, café, bar, tea shop, KTV, bank, office, factory, hotel, hospital and so on.

## Technical data

Working frequency: 433MHz

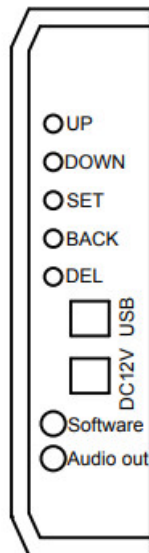
Working voltage: DC12V/2A

Working current: 650mA

Standby current: 200mA

Sensitivity: -110dBm

## Button Function



UP/DOWN: Up / down move function

SET Long press and hold "SET" button 3 seconds to enter main setting menu short press "SET" button to enter submenu or confirmation. If there is no operation for more than 1 minute, the system will automatically return to the standby interface.

BACK Return or exit.

DEL Delete settings or call information.

USB Connect the interface with the computer when using the host computer software

DC12V Power input.

Software: Reserved function extension, which is not defined for the time being.

Audio out Audio output.

## SYSTEM SETTING

### 1. F01: Number Registration

#### -Add transmitter

Long press and hold the "SET" button 3 seconds to enter the main setting menu, then press the "UP/DOWN" button to select menu F01, short press the "SET" button to enter the F01 submenu, the display shows "001", then trigger the transmitter to program it to be Number 1 transmitter (after the program, the number will be increased by 1 automatically, which can only be realized on an individual bit, and must be manually adjusted on 10 or 100 digits.). The speaker will sound "successfully registration". Short press the "BACK" button to the previous menu or press the "BACK" button twice to exit to standby.

**Note:** When a number has been learned, it flashes and other transmitters can no longer learn unless short press the "DEL" button to delete the number.

If a number is not learned, it is always on and does not flash.

#### – Delete a transmitter separately

Long press and hold the “SET” button for 3 seconds to enter the main setting menu, then press the “UP/DOWN” button to select menu F01, short press “SET” button to enter F01 submenu, the display shows “001”, press “UP/DOWN” button to select one of the numbers which want to delete, then press “DEL” button at the right side of the display receiver. If the number was programmed, the number will flicker; If the number was not programmed before, the number would not flicker. After deleting the number, it would not flicker and sound “Delete Successfully”.

To delete all transmitters quickly, please use F08 restore factory default (submenu 1 or 2).\

## **2. F02: Remote Control Registration**

Long press and hold the “SET” button for 3 seconds to enter the main setting menu, then press the “UP/DOWN” button to select menu F02, short press the “SET” button to enter the F02 submenu, the display shows “0” (Default), then press the relevant remote control, The speaker will sound “successfully registration”. After program Manager Remote Control, the user can use the programmed remote control to set up the display receiver remotely.

**Note:** Support up to 10 management remote controls

## **3. F03: Prompt Music**

Long press and hold the “SET” button for 3 seconds to enter the main setting menu, then press the “UP/DOWN” button to select menu F03, short press “SET” button to enter the F03 submenu, the display shows “1” (Default), then press “UP/DOWN” to select prompt music mode, and then short press “SET” button to confirm:

0: Speaking Number only

01: Ding-Dong + Speaking Number (Default);

02: Airport Broadcast Voice only;

03; Mute (no voice) ;

After the program, press the “BACK” button to the previous menu or press the “BACK” button twice to exit to standby.

## **4. F04: Volume**

Long press and hold the “SET” button 3 seconds to enter the main setting menu, then press the “UP/DOWN” button to select menu F04, short press the “SET” button to enter the F04 submenu, the display shows “6” (Default), then press “UP/DOWN” to setup relevant volume from 1 (lowest) to 6 (highest). Short press the “SET” button to confirm. After the program, press the “BACK” button on the previous menu or press the “BACK” button twice to exit to standby.

## **5. F05: Delete Time Setting**

Long press and hold “SET” button for 3 seconds to enter the main setting menu, then press “UP/DOWN” button to select menu F05, short press “SET” button to enter F05 submenu, the display shows “000” (Default don’t delete), 000-999 seconds, then press “UP/DOWN” to setup relevant seconds to automatic delete calling history (short press UP/DOWN once to add/reduce 10 seconds). Short press the “SET” button to confirm. After the program, press the “BACK” button to the previous menu or press the “BACK” button twice to exit to standby.

## **6. F06: Key Switch**

Long press and hold the “SET” button for 3 seconds to enter the main setting menu, then press the “UP/DOWN” button to select menu F06, short press the “SET” button to enter the F06 submenu, the display shows “00” (Default), then press “UP/DOWN” to choose the relevant key-value and then press a relevant key on the transmitter. After the program, press the “BACK” button on the previous menu or press the “BACK”

button twice to exit to standby.

00	Order	01	Call	02	Check Out
03	Cancel	04	Bill	05	Pay
06	Service	07	Water	08	Coffee
09	Beer	10	Satisfaction	11	Dissatisfaction
12	Emergency	13	Doctor	14	Nurse
15	Change Medication	16	Pulling Needle		

Note: Before switching the key value of the transmitter, please add the relevant transmitter first.

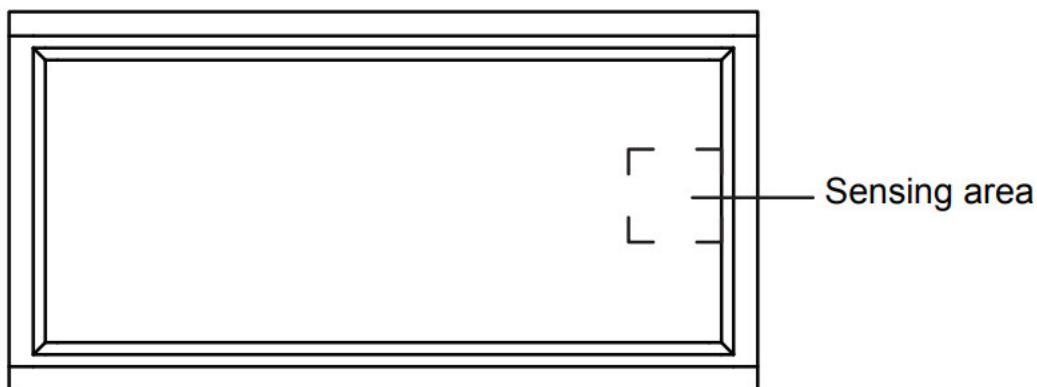
## 7. F07: RFID Registration

### – Add RFID Card

Long press and hold the “SET” button for 3 seconds to enter the main setting menu, then press the “UP/DOWN” button to select menu F07, short press the “SET” button to enter the F07 submenu, the display shows “01” (Default), then press “SET” button at the right side of the screen and after prompt voice “Swipe RFID Card”, put RFID card to sweep the middle of the right side of the screen.

The speaker will sound “successfully registration” to confirm registered successfully. After the program, the number will be increased by 1 automatically. If need to continue to program No.2 RFID when the display shows “02”, press the “SET” button and then put another RFID card to sweep the middle of the right side of the screen. The speaker will sound “successfully registration” to confirm registered successfully. After the program, press the “BACK” button to the previous menu or press the “BACK” button twice to exit to standby.

**Note:** Support up to 99 RFID Card.



### – Delete an RFID card separately

Long press and hold the “SET” button 3 seconds to enter the main setting menu, then press the “UP/DOWN” button to select menu F07 short press the “SET” button to enter the F07 submenu, press the “UP/DOWN” button to select one of the numbers which want to delete, then press “DEL” button at the right side of the screen. If the number was programmed, the number will flicker; If the number was not programmed before, the number would not flicker. After deleting the number, it would not flicker and sound “Delete Successfully”.

To delete all RFID cards quickly, please use F08 restore factory default (submenu 1 or 2).

## 8. F08: Restore Factory Default

Long press and hold the “SET” button for 3 seconds to enter the main setting menu, then press the “UP/DOWN” button to select menu F08 short press the “SET” button to enter the F08 submenu, the display

shows “0” (Default), then press “UP/DOWN” to choose 0, 1 or 2 and then short press “SET” button to confirm restore factory default.

0: restore factory default but not delete transmitter and RFID Card;

1: restore factory default also delete all transmitters and RFID Card (but does not delete manager remote control);

2: restore factory default also delete all transmitters, RFID Card, and manager remote control together.

## Packing list

Name	Quantity
Receiver host	1 pc
Power adaptor	1 pc
User manual	1 pc
Remote controller	1 pc
Data line	1 pc

## WARNINGS

### RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE

	Before using this radio, read s for safe usage and RF ene e standards and regulations.
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This radio uses electromagnetic energy in the radio frequency (RF) spectrum to provide communications between two or more users over a distance. RF energy, which when used improperly, can cause biological damage.

All Reteless radios are designed, manufactured, and tested to ensure they meet government-established RF exposure levels. In addition, manufacturers also recommend specific operating instructions to users of the radios. These instructions are important because they inform users about RF energy exposure and provide simple procedures on how to control it. Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits: <http://www.who.int/en/>

### Local Government Regulations

When radios are used as a consequence of employment, the Local Government Regulations requires users to be fully aware of and able to control their exposure to meet occupational requirements. Exposure awareness can be facilitated by the use of a product label directing users to specific user awareness information. Your Reteless radio has an RF Exposure Product Label. Also, your Reteless user manual or separate safety booklet includes information and operating instructions required to control your RF exposure and to satisfy compliance requirements.

### Radio License (if appropriate)

Governments keep the radios in classification, business radios operate on radio frequencies that are regulated by the local radio management departments (FCC, ISSED, OFCOM, ANFR, BFTK, Bundesnetzagentur...). To transmit on these frequencies, you are required to have a license issued by them. For the detailed classification and the use of your radios, please contact the local government radio management departments.

Use of this radio outside the country where it was intended to be distributed is subject to government regulations

and maybe prohibited.

### Unauthorized modification and adjustment

Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority granted by the local government radio management departments to operate this radio and should not be made. To comply with the corresponding requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the local government radio management departments' equipment authorization for this radio could violate the rules.

### FCC Requirements:

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
  - (1) This device may not cause harmful interference, and
  - (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.

### CE Requirements:

- (Simple EU declaration of conformity) Henan Eshow Electronic Commerce Co.,Ltd declares that the radio equipment type is in compliance with the essential requirements and other relevant provisions of RED Directive 2014/53/EU and the ROHS Directive 2011/65/EU and the WEEE Directive 2012/19/EU; the full text of the EU declaration of conformity is available at the following internet address: [www.retekess.com](http://www.retekess.com).



-  Disposal

The crossed-out wheeled bin symbol on your product, literature, or packaging reminds you that in the European Union, all electrical and electronic products, batteries, and accumulators (rechargeable batteries) must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws in your area.

### IC Requirements:

### License-exempt radio apparatus

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

### RF Exposure Information

- DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is an antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio, and the antenna gain shall not exceed the specified gain by the manufacturer declared.
- DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.
- During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so.
- The device complies with RF specifications when the device is used at 5mm from your body. Third-party belt clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.
- DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

### Avoid Choking Hazard



Small Parts. Not for children under 3 years.



WARNING

### Protect your hearing:

- Use the lowest volume necessary to do your
- Turn up the volume only if you are in noisy
- Turn down the volume before adding a headset or earpiece.
- Limit the amount of time you use headsets or earpieces at high volume.
- When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear
- Use care with the earphone may be possible excessive sound pressure from earphones and headphones can cause hearing loss

**Note:** Exposure to loud noises from any source for extended periods of time may temporarily or permanently affect your hearing. The louder the radio's volume, the less time is required before your hearing could be affected.

Hearing damage from loud noise is sometimes undetectable at first and can have a cumulative effect.





#### **WARNING Avoid Burns**

### **Antennas**

- Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with the skin when the radio is in use, a minor burn can result.



#### **WARNING Batteries (If appropriate)**

- When the conductive material such as jewelry, keys, or chains touch exposed terminals of the batteries, may complete an electrical circuit (short circuit the battery) and become hot to cause bodily injury such as burns. Exercise care in handling any battery, particularly when placing it inside a pocket, purse, or another container with metal objects



#### **WARNING Long transmission**

- When the transceiver is used for long transmissions, the radiator and chassis will become hot.

### **Safety Operation**



#### **WARNING Forbid**

- Do not use charger outdoors or in moist environments, use only in dry locations/conditions.
- Do not disassemble the charger, that may result in a risk of electrical shock or
- Do not operate the charger if it has been broken or damaged in any way.
- Do not place a portable radio in the area over an airbag or in the airbag deployment area. The radio may be propelled with great force and cause serious injury to occupants of the vehicle when the airbag inflates. To reduce risk
- Pull by the plug rather than the cord when disconnecting the charger.
- Unplug the charger from the AC outlet before attempting any maintenance or cleaning.
- Contact Reteless for assistance regarding repairs and service.
- The adapter shall be installed near the equipment and shall be easily accessible
- Risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- The adapter shall be installed near the equipment and shall be easily accessible.
- The plug is considered as a disconnect device of the adapter.
- The operating temperature of the EUT can't exceed the specified range.





## **WARNING Approved Accessories**

- This radio meets the RF exposure guidelines when used with the Reteless accessories supplied or designated for the product. The use of other accessories may not ensure compliance with the RF exposure guidelines and may violate regulations.
- For a list of Reteless-approved accessories for your radio model, visit the following website:  
<http://www.Reteless.com>.

## **Guarantee**

Model Number: \_\_\_\_\_  
Serial Number: \_\_\_\_\_  
Purchasing Date: \_\_\_\_\_  
Dealer: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
User's Name: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Country: \_\_\_\_\_  
Address: \_\_\_\_\_  
Post Code: \_\_\_\_\_  
Email: \_\_\_\_\_

## **Remarks:**

1. This guarantee card should be kept by the user, no replacement if lost.
2. Most new products carry a two-year manufacturer's warranty from the date of purchase.
3. The user can get a warranty and after-sales service as below:
  - Contact the seller where you buy.
  - Products Repaired by Our Local Repair Center
4. For warranty service, you will need to provide a receipt proof of purchase from the actual seller for verification

## **Exclusions from Warranty Coverage:**

1. To any product damaged by accident.
2. In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
3. If the serial number has been altered, defaced, or removed.



**Henan Eshow Electronic Commerce Co., Ltd**

Add: 7/F, Sanjiang Building, No.170 Nanyang Road, Huiji District,  
Zhengzhou, Henan, China

EU Importer: Germany Retevis Technology GmbH

Address: Uetzenacker 29, 38176 Wendeburg

Facebook: [facebook.com/Reteless.ru](https://www.facebook.com/Reteless.ru)

E-mail: [support@retekess.com.ru](mailto:support@retekess.com.ru)

Web: [retekess.com.ru](http://retekess.com.ru)



MADE IN CHINA

<https://retekess.com.ru/>.



## Documents / Resources

  TD124 Wireless Calling Receiver User Manual 	<p><a href="#">RETEKESS TD124 Wireless Calling Receiver</a> [pdf] User Manual</p> <p>TD124, Wireless Calling Receiver</p>
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