# RETEKESS

**TD177 Instruction Manual**

# Contents

# 1.Transmitter

1.Digital tube display
2.Transmit indicator
3.Keypad area
4.Battery compartment
5.Transmit antenna
6.Power switch
7.USB-A Female connector (connect to upper computer)
8.DC power connector

**1.2 Specification**
Size: 136mm*90mm*35mm (without antenna)
Power supply: 12V/1A or AAA battery *3
Standby/Operating current: 16mA/105mA
Modulation mode: ASK
Operating frequency: 433.92Mhz
Display: 4-digital tube
Material: ABS
Button mode: touch mode 4x5
USB interface: USB-A (Female)

## 2.Pager
**2.1 Diagram**
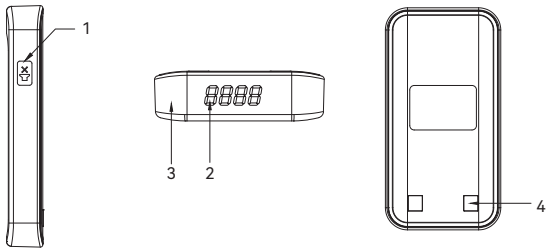


1. Touch button
2. Digital tube (display pager number)

3. Charging indicator (charging red light, fully charged with green light)
4. Charging contact

**2.2 Specification**
Appearance size: 52mm * 100mm * 15mm (single)
Battery specification: 3.7v 300mAh
Standby/working current: 13mA/106mA
Charging current: 60mA
Charging time: 4-5 hours
Receiving sensitivity: -113dBm
Display: 4-digital tube
Modulation mode: ASK
Frequency: 433.92Mhz
Material: PC
Button mode: touch mode button
Waterproof: IP67 level dustproof and waterproof
Standby time: more than 24 hours

## 3.Charging Base
**3.1 Diagram**
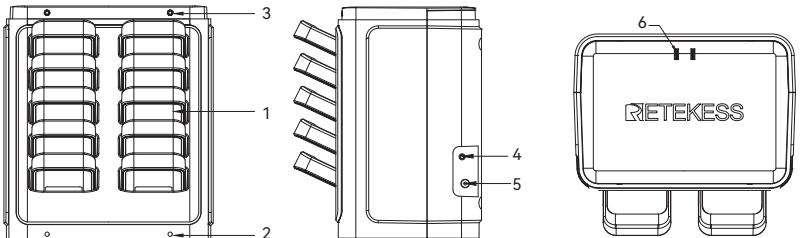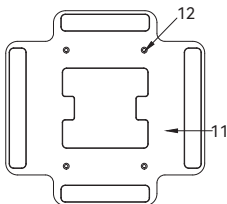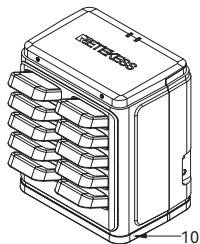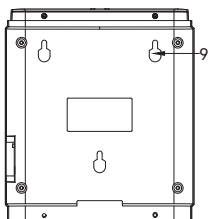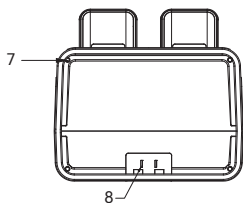
1. Charging slot
2. Fixing screw holes at the bottom of the charging base for cascade use
3. Fixing screw holes at the top of the charging base for cascade use
4. Base button (for changing base ID)
5. DC power connector (12V)
6. Power supply plug at the bottom of the charging base cascade
7. Base pager mounting fixing screw holes (A set of twenty&thirty product provided with a non-slip plate)
8. Charging base cascade top power supply socket
9. Wall mounting holes (maximum diameter 10.5mm)
10. Anti-slip mat (A set of ten product provided with Silicone non-slip mat)
11. Anti-tipping base pager (A set of twenty&thirty product provided with a non-slip plate)
12. Anti-tipping bottom plate fixed screw holes (M4 screws)

### 3.2 Specification
Appearance size: 170mm * 120mm * 191.5mm
Power supply: 12V/2A
Standby/working current: 8mA/610mA
Modulation mode: ASK
Frequency: 433.92MHz
Material: ABS
Button mode: Physical single key

### 3.3 Charging base cascade use
The charging base supports cascading, align the cascading plug (labeled 8) at the bottom of the charging base with the top jack (labeled 6) of another charging base to be cascaded, press and insert the plug so that the four screw holes of the cascade are aligned (labeled 3 in the diagram of 3.1), and then install the fixing screws (M3 big head screws) to fix it.
Note: The charging base's power supply supports up to maximum 3 bases in cascade.
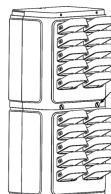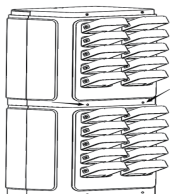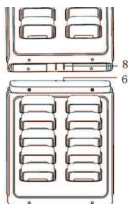
### 3.4 Wall Mounting

Ensure that the spacing of the wall mounting screws is consistent with the wall mounting holes of the charging base, and place the charging base on the wall mounting screws.

The distance between the wall mounting holes is as shown in the above figure: 10cm between left and right, 10cm between top and bottom.
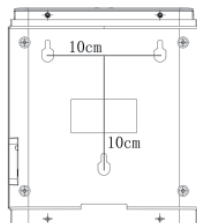


### 3.5 Installation of anti-tipping base pager

1, Take out the anti-tipping plate, making the anti-tipping plate with anti-skid pads face down, and the top face the bottom of the charging base. Align the four screw holes (labeled 12) on the plate with the four screw holes (labeled 7) on the charging base.

2, Tighten the fixing screws (M4x25) through the holes of the plate and align them with the holes of the charging base. Secure the remaining three screws in turn. Finally the anti-tipping plate is successfully installed.
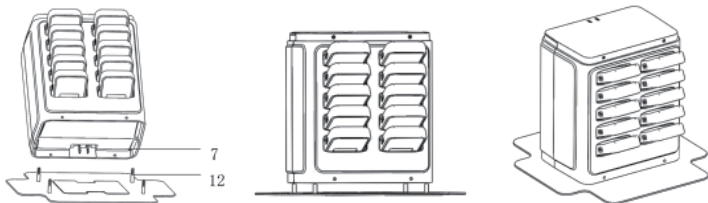


## 4.Function Setting

### 4.1 Transmitter power on

Insert DC power supply or put in AAA batteries x3, press the power switch, wait for the screen display "----" to enter the standby interface.

Click⊙ button to enter the system menu interface, enter the user password ("2580" is the manufacturer's super password (authority greater than the user password)). Click ⊙ or ⊙ to select the menu option, press the [CALL] button to enter the menu option, press the [CALL] button again to save the current parameters, press the ⊝ button to exit the menu interface.

Note: The charging function is not supported when the battery is powered by AAA batteries, please replace the battery in time when the power is low.

### 4.2 Setting prompt duration [E-00]

This function sets the sound, light and vibration duration of the pager, firstly enter menu interface and touch ⊙ or ⊙ switch the menu to "E-00" or enter the number "0", and then click CALL to enter, enter the number of hours to be set or through ⊙ or ⊙ adjust the time, the unit is "seconds", ("00" picker does not remind; "00-99" will remind the corresponding length of time, the factory default is 10 seconds), click" CALL" button to save, touch the ⊝ button to exit.

### 4.3 Transmitter ID/Channel [E-01]

Menu interface touch ⊙ or ⊙ to switch the menu to "E-01" or enter the number "1", click "CALL" to enter. Input the system channel you want to set (value range: "001-999", default is 001), then click "CALL" to save. Finally touch the ⊝ button to exit.

Note: After modifying the system channel, you need to reset the charging base ID and then reset the pager

number, otherwise you can't call the pager.

### 4.4 Setting Number Step Length [E-02]

Touch ⌃ or ⌄ switch the menu to "E-02" or input the number "2", click "CALL" to enter,. Input the set stepping length of the pager number (the stepping value of one-key code change function) (the range of value is "1-999", the factory default is 001), click "CALL" to save, and touch the ⊃ button to exit.
Note: The step length value is the difference between the two pager numbers in the neighborhood of one-key code change.
Pager registration number = ((charging base ID -1)*10 )*step length + input start number + slot number (0-9)*step length. For example:
When the step value is 1, the base ID is 1, the one-key code change number is 1  (the start number). The difference of neighboring picker number is 1, So the pager number is: 1,2,3,4,5,6,7,8,9,10.
If you modify the step value to 5 and the base ID is still 1, set the pickup number again, one-key to change the code number to 5, then the difference between the numbers of adjacent pager is 5, So the pager number is: 5,10,15,20,25,30,35,40,45,50.
If at this time to modify the step value to 5, the base ID is modified to 2, one-key code number is 1, and again set the number of pager. Then at this time the difference between the number of pager is 5, pager number is: 51,56,61,66,71,76,81,86,91,96.
If there are more than one base in use, it is recommended that the base ID should be set in order (e.g., 1,2,3, etc.) and the step length is recommended to be set to 1.

### 4.5 Pager flashing light prompt on/off [E-03]

Menu interface touch ⌃ or ⌄ to switch the menu to "E-03" or enter the number "3", click "CALL" to enter, touch ⌃ or ⌄ switch to N or F (N: open, F: close.). (N: open, F: close, the factory default is "N" ), click "CALL" button to complete the setup, touch the ⊃ button to exit.

### 4.6 Pager Sound Alert On/Off [E-04]

Menu interface touch ⌃ or ⌄ to switch the menu to "E-04" or enter the number "4", click "CALL" to enter, touch ⌃ or ⌄ switch to N or F (N: open, F: close, factory default is "N"), click "CALL" button to complete the setup, touch the ⊃ button to exit.

### 4.7 Pager vibration prompts on/off [E-05].

Menu interface touch ⌃ or ⌄ to switch the menu to "E-05" or enter the number "5", click "CALL" to enter, touch ⌃ or ⌄ switch to N or F (N: open, F: close, the factory default is "N"),  click "CALL" button to complete the setup, touch the ⊃ button to exit.

### 4.8 Setting the start time of pager out-of-bounds prompt [E-06].

Menu interface touch ⌃ or ⌄ to switch the menu to "E-06" or enter the number "6", click "CALL" to enter, enter the number of hours to be set, the unit is Minutes" (the value range is "00" or "01-30", "00" does not turn on the out-of-bounds prompt; "01-30" means the pager alarm will be activated after receiving no signal from transmitter. The transmitter will send three wireless signal within the out-of-bound promt minutes, and as long as the pager receives any one of them, it means that there will be no out-of-bounds prompt within the range of the signal; the factory default is "00" to turn off the prompt). Click "CALL" button to complete the setup, touch the ⊃ button to exit. Once the out-of-bounds prompt is triggered (the prompt alternately displays "pager number/out"), the prompt must be canceled by putting it back to the charging base, and it is invalid to cancel it by pressing the mute button on the pager.
Note: When you turn on this function ,you need to avoid the transmitter power outage, shutdown or pager is in the basement, such as signal shielding zone may triger the false trigger alarm prompts!

### 4.9 Setting the service countdown prompt duration [E-07]

Menu interface touch ⌃ or ⌄ to switch the menu to "E-07" or enter the number "7", click "CALL" to enter, input "00-99"minutes ("00" does not start countdown; "01-99"Min means that at the end of the setting time (when the pager is called, the countdown is started, and the countdown is reminded again when the countdown is completed), the pager has a sound/light/vibration reminder, and once the reminder is triggered (the "pager number/CALL"is alternately displayed when the reminder is triggered), the user needs to put the pager back to charging base to cancel the prompt, and it is invalid to cancel it by pressing the pager mute button, and the factory default is "00"). Click "CALL" button to finish setup, touch the      button to exit.

**4.10 Setting Group Calling [E-08].**
Menu interface touch    or    to switch the menu to "E-08" or enter the number "8", click "CALL" to enter, touch    or    to switch to N or F (N: open, F: close, factory default is "N"), click "CALL" button to complete the setup, touch the    button to exit.

**4.11 Setting User Password [E-09]**
This function is used to set the password when entering the setup menu. Touch    or    to switch the menu interface to "E-09" or enter the number "9", click the "CALL" button to enter. Input the 4 digit password "0000-9999" (the initial password is "1234", "2580" is the manufacturer's super password, the authority is greater than the user password), click the "CALL" button to complete the setup, touch the    button to exit.

**4.12 Setting the countdown prompt time [E-10]**
Menu interface touch    or    to switch the menu to "E-10" or enter the number "10", click "CALL" to enter, enter "00-99"Minutes ("00" does not turn on the countdown timer, "01-99" Min means that at the end of the set time, the pager will have a countdown timer. When the countdown time is over, the pager will have sound/light/vibration reminder, once the prompt is triggered (the screen alternately displays "pager number/donE"), the user has to put it back to the charging base to cancel the prompt, and it is ineffective to cancel the prompt by pressing the pager mute button. The factory default is "00" (off).
Click "CALL" button to complete the setup, touch the    button to exit.

**4.13 Timing and countdown display mode [E11].**
This function sets the timing display mode: no display / positive timing / countdown display mode.
Menu interface touch    or    to switch the menu to "E-11" or enter the number "11", click "CALL "Enter. (Touch    or    to switch the mode state or enter "0" to close, "1-9" any number of keys to open), press "CALL" to save and touch the    key to exit.
Note: Display format is "U.X1.d.X2". "U" means positive timing; X1 can be set to "N"-open/"F"-close, " d" means countdown time, X2 can be set as "N" open/"F" closed. Countdown time or positive time can be set through menu "E-10".
The settings are as follows-only one can be selected:
"U.F.d.F" - no timing display;
"U.N.d.F" - positive timing display;
"U.F.d.N" - countdown display;

**4.14 Prompting mode (sound/light/vibration) switch when timing countdown is completed [E12]**
This function is to set the prompting mode when the countdown is completed, the prompting mode is: sound/light/vibration prompting mode.
The setting format is: "C.X1.X2.X3", when "C" is "N" to turn on /C is "F" to turn off X1.X2.X3. Touch the menu interface    or    to switch the menu to "E-12" or input the number "12", click "CALL" to enter. Touch    or    to switch the prompt state or enter "0" for "F"-close, "1-9 "any number of keys for the "N"-open). Press "CALL" to save , touch the    button to exit.
Note1: "C.X1.X2.X3"-- "X1"represents the sound prompt state ("F"-off / "N"-on); X2 represents the light prompt state("F"-off/"N"-on); "X3" represents the vibration prompt state("F"-off/"N"-on);
Note2: This function is only effective in the setting of the timing function, the function needs to be combined with the use of [E10] with the use of (* factory default is "F.F.F" (all off)).

**4.15 Transmitter sound On/Off [E-13]**
Menu interface touch    or    to switch the menu to "E-13" or enter the number "13", click "CALL" to enter. Touch    or    to switch to N or F (N: open, F: close, factory default is "N" open), click "CALL" button to complete the setup, touch the    button to exit.

**4.16 Transmitter vibration on/off [E-14]**
Menu interface touch    or    to switch the menu to "E-14" or enter the number "14", click "CALL" to enter. Touch    or    to switch with N or F (N: open, F: close, factory default is "N" open), click "CALL" button to complete the setup, touch the    button to exit.
Note: If the user modifies the parameters for use, he/she must first complete the setting of all system parameters of the transmitter, then set the charging base ID, and then set the number of the pager in order

to take effect (the order of this setting cannot be reversed).

**4.17 Calling the pager**
Input the pager number on transmitter and press the [CALL] button to call the pager. Touch ⊙ or ⊙ to increase or decrease the number.

**4.18 Stop pager tip**
Put the pager back to charging base with the power on, or touch the mute button on the side of the pager ( this touch cancel function can only be triggered 3s after the call, to avoid the user accidentally triggered) to cancel the call.
Note: In case of countdown timer, or service countdown prompt, the pager must be put back on the charging base to stop.

**4.19 Powering off/on the pager**
When the off-power pager is placed on the charging base in the power-on state, the pager will be turned on directly. If the pager is already in the charging base, it can be turned on/off by pressing the [Power] button on the transmitter, and the corresponding keyboard will enter the corresponding state at the same time.
Note: The transmitter can only be used to control the power on/off of the pager after the code is matched between the pager and the transmitter, and the charging base ID is already setup.

**F1 (Modify Charging Base ID Synchronization Setting Parameter) Function**
Confirm that the transmitter "E-00" to "E-14" menu parameters at all levels have been set, enter the ID number (1-999) in the standby interface, press the base button (base diagram 2) to enter the setup state (press again to exit the setup state or automatically exit after 10s), then press the "F1" button and hear the long beep of the base buzzer, so the charging base ID setting is completed.
Note: The ID number of the charging base is related to the starting number of the pager when you change the code by one-key change function.
Starting number of each charging base pager = ((base ID -1)*10 )*step length + starting number.
When the step value is 1, the base ID is 1. When the one-touch code change starting number is 1. The starting number of pager is: ((1(base ID)-1)*10 )*1 (step length) + 1 (starting number) =1, at this time, the number of pager is: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
If you change the base ID to 2, when the step value is 1 and the starting number of one-key code change is 1, the starting number of the pager: ((2(base ID)-1)*10 )*1(step length) + 1(starting number) =11, and the number of the pager at this time is: 11,12,13,14,15,16,17,18,19,20.
Note: Every update of the system parameters must be synchronized with the base again to set F1, there are more than one base it is recommended to set the base ID number in order (eg: 1,2,3, etc.).

**F2 (one-key code change) function**
Confirm that the "F1" function has been set, enter the starting number (1-999), click "F2", the base begins to write the number of the pager in turn, waiting for the base to sound a long beep and all the pager back to the charging state (the number setup is complete).
Note: Pager number = ((base ID -1)*10 )*step length + start number + slot number*step length, where slot number is 0-9.
If the charging base ID is set to "10" (refer to F1 to modify the charging base), and the step length value is set to "5", using the one-key code change function (refer to F2 function) to set the starting number is 1, the number of the pager in the charging base will be modified in order as follows:
451,456,461,466,471,476,481,486,491,496.

**F3 (Group Call) Function**
Confirm that the "F2" function has been set and the "E-08" function is "On", then click "F3". Press "F3" to group call all pagers, press again within 5s to cancel the group call, and press again after 5s to group call again.

**F4 (Call bracelet) function**
This function can call TD112 bracelet, the diagram of TD112 bracelet is as below:
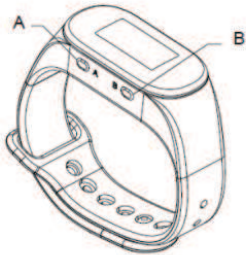
A:TD112 bracelet button A

B:TD112 bracelet button B

When the transmitter clicks "F4", the screen displays "P.----", enter the ID number of the bracelet (1-999), and click "CALL" to call the bracelet. (The bracelet can only be called after it is registered in this way in advance.)
Note: Click "F4" again to exit the call bracelet function, the screen displays "----".

The operation of the bracelet is as follows:

1. Set TD112 bracelet ID (serial number):
(1)Under the standby state of TD112, long press [A] key to enter the setting menu, press [A] key twice to select the "Name and ID" of the bracelet.
(2) Long press [A] key to enter, touch [B] key to shift to select the number of digits that need to be operated, touch [A] key to switch digital/alphabetical cycle (single digit of ID is digit 0-9; the name is upper and lower case letters (A-Z; a-z)).
(3) Long press [B] key 2 times to exit and return to standby mode.

2. Register the transmitter ID to the TD112 bracelet:
(1) Under the standby state of TD112 bracelet, long press [A] key to enter the setting menu, touch [A] key again to enter the code pairing mode, select (extension code pairing/transmitter host code pairing).
(2)Touch [A]/[B] key, switch to "Transmitter Host Code", long press [A] key to enter the code pairing mode, the interface displays the ID number of the bracelet, the serial number of the keypad (01-50), and the ID of the keypad ("FFFF" means that the keypad ID is not registered, the current one is registrable). (unregistered, currently registerable), long press [A] key to delete the current paired keyboard ID.
(3)Long press [A] key to enter, touch [A]/[B] key to turn up and down to the desired keyboard ID (01-50), after the transmitter inputs the current ID of the bracelet, press [CALL], then the transmitter ID will be copied to the bracelet automatically, the bracelet will vibrate and display OK, at this time, "FFFF" will be shown as the registered keyboard ID in the interface of the bracelet, "FFF" will be shown as the registered keyboard ID. "FFF" will be displayed as the ID number of the registered keyboard.
(4) Long press [B] key 2 times to exit, TD112 bracelet returns to standby mode.
(5) Transmitter inputs the ID number of the bracelet and clicks "CALL" to call the registered bracelet.

**Attention**
1,If the pager responds to the call within 5s after it is removed from the charging state, there will be no beep during this period (this is the time of IR uploading). , if the transmitter is in the charging status, the call response will be made within 5s.
2,If the transmitter appears "Lo" when it is powered by battery (this is the low battery state), please replace the battery immediately and use it again; or use the power adapter to power the transmitter.
3, the transmitter in the power-up state / battery and power switching state (about 6s time), do not touch the panel (at this time the system self-test touch the initial baseline data), or lead to the normal use of the keys do not work / can not be used.
4,When the transmitter is in normal use after power on, do not press the key for more than 20s (at this time, the system will automatically update the touch baseline data), otherwise it will lead to the normal use of the key does not work/unusable after that.
5, Transmitter in the process of use, in order to ensure the integrity of the signal, need to keep the antenna

placed vertically and the power cord as far as possible away from the antenna (not entangled in the antenna).

6,To modify the E00-E12 menu parameters during use, you need to reset the F1 (Modify Charging Base ID) function, and then use the F3 (One-Key Code Change) function to re-register the pickup number before the pickup will take effect.

## 5.Using the upper computer

This product supports the use of the upper computer connection operation.
Upper computer control software download address: https://www.retekess.com/resources/download

### 5.1 Connecting Transmitter Host
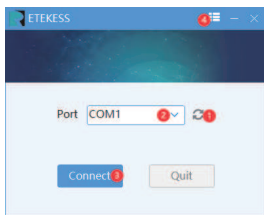


1, refresh the com port
2, select the com port
3, connect, enter the main interface (when entering the main interface will automatically send configuration information)
4, Language selection
Note: If the correct com port does not appear, refresh the com port first, if it does not appear, please check whether the USB cable is connected correctly and whether the driver is installed correctly on the computer.

### 5.2 Language switching
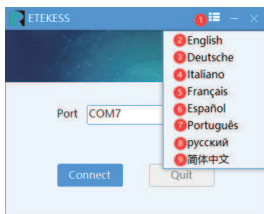


1, Click the language switch button, the language selection box pops up
2, English
3, Deutsche
4, Italinao
5, Français
6, Español
7, Português
8, русский
9, 简体中文

## 5.3 Password Verification Screen

### 5.3.1 Setting password for the first time

The first time you open the software, you need to set the login password, and you need to enter the password twice to set it successfully.
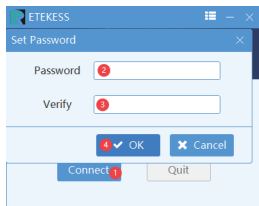


1, Click on the connection, the password setting window pops up
2, Enter the set password
3, Enter the set password again (the two passwords need to be entered the same)
4, Click OK to set up successfully and open the main interface

### 5.3.2 Entering Login Password

If a password has already been set, the Enter Password Verification screen is displayed after connection.
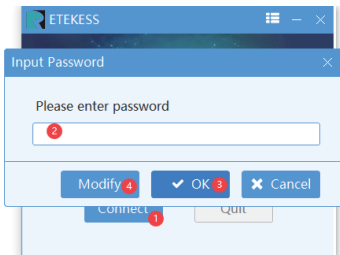


1, Click on the connection, the pop-up window of password verification
2, Click the text box to enter the password
3, Click OK to verify the password, the password is correct, then open the main interface
4, Change the login password

### 5.3.3 Modify Login Password

In the input password interface, enter the correct password and click Change Password to pop up the password change interface.
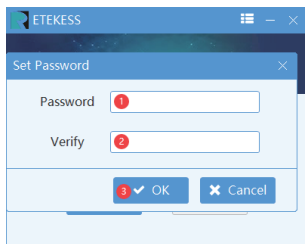


1, Enter the set password
2, Enter the set password again (the two passwords need to enter the same)
3, Click OK to modify the password successfully and open the main interface

## 5.4 Main interface introduction
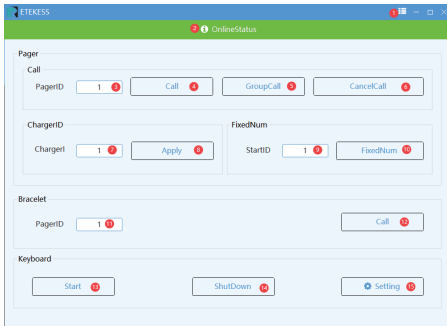


1, Language selection
2, Device status (normal connection shows online, and the background is green. Abnormal connection shows offline, and the background is red)
3, Pager number input box (1-999)
4, Call the entered pager number
5, Group call all trays
6, Cancel group call
7, Base ID input box
8, Set the base ID (you need to press the base ID setting button before setting)
9, One-key code change actually number
10, One-key code change command
11, bracelet number input box
12, Call the input bracelet number
13, Cancel call bracelet
14, Panel and transmitter turn on
15, Shutdown of food tray and transmitter
16, Setting interface

## 5.5 Transmitter Setting Interface

The setting interface is as follows



1, Group call function switch (choose to close.the group call function in the main interface will not be available)
2, Out-of-bounds countdown setting
3, Service countdown setting
4, Number step amplitude setting
5, Transmitter system ID modification
6, Set user password of transmitter
7, Ransmitter beep switch setting
8, Setting vibration switch of transmitter
9, Setting the display mode of countdown timer
10, Flashing light prompt switch when timer countdown is completed.
11, Sound prompt switch when the timer countdown is finished.
12, Vibrating prompt switch when the timer countdown of the pager is completed
13, Setting the time for reminding the timer countdown of the diner
14, Light prompt switch for pager call
15, Diner call sound prompt switch
16, Vibrating alert switch for diner call
17, Diner call prompt time
18, Apply the current settings to the transmitter host (if you change the setting parameters.you need to reset the base ID.and the pager number.to be effective)
19, Return to the host

# RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE

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|---|---|
| **ATTENTION!** | Before using this device, please read this guide which contains important operating instructions for safe usage, control information and operational instructions for compliance with RF Energy Exposure limits in applicable national and international standards. User' instructions should accompany the device when transferred to other users. |

**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**
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (Other devices are applicable)
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device. 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.

**IC**
Licence-exempt radio apparatus
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-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.

This radio transmitter has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

**CE**
 • (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.

 • Restriction on putting into service
This product may be used in following countries and regions, including: Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE) and United Kingdom (UK).
For the intended country of use, please refer to the package.

**Disposal**
The crossed-out wheeled-bin symbol on your product, literature, or packaging

reminds you that all electrical and electronic products, batteries, or accumulators 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 and rules in your area.lug

**RF Safety**
This two-way 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. 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/
Keeping the radio at a proper distance is important as RF exposure decreases with increasing distance from the proper antenna. A proper antenna is an antenna supplied with this radio by the manufacturer or specifically authorized by the local authority for use with this radio. This radio can only be operated by use of an antenna of a type and maximum (or lesser) gain approved for the transmitter under regulations and rules. This transmitter must operate with the antenna(s) documented and in Push-to-Talk and body-worn configurations as documented. Using authorized accessories is important because the use of Non-Retevis accessories may result in exposure levels, which exceed the IEEE/ICNIRP RF exposure limits.
Transmit no more than the rated duty factor 50% of the time. Transmitting necessary information or less, is important because the radio generates measurable RF energy exposure only when transmitting in terms of measuring for standards compliance. For users who wish to further reduce their exposure, some effective measures to reduce RF exposure include:
 • Reduce the amount of time spent using your wireless device.
 • Use a speakerphone, earpiece, headset, or other hands-free accessory to reduce proximity to the head (and thus head exposure). While wired earpieces may conduct some energy to the head and wireless earpieces also emit a small amount of RF energy, both wired and wireless earpieces remove the greatest source of RF energy (handheld device) from proximity to the head and thus can greatly reduce total exposure to the head.
 • Increase the distance between wireless devices and your body.

This radio is designed for and classified as "General population/uncontrolled use". General population/uncontrolled environments are defined as locations where there is exposure of individuals who have no knowledge or control of RF exposure level.

**Electromagnetic Interference/Compatibility**
Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility. 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, such as hospitals or healthcare facilities.

**Turn off your radio in the following conditions:**
 • Turn off your radio prior to entering any area with a potentially hazardous or explosive atmosphere. Only radio types that are especially qualified should be used in such areas as "Intrinsically Safe".
Note: the areas with potentially explosive atmosphere referred to above include blasting caps, blasting areas, inflammable gas, dust particles, metallic powders, grain powders, fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles (such as grain, dust or metal powders) and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often – but not always posted.
 • Turn off your radio when taking on fuel or parked at gasoline service stations.
 • Turn off your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions. • Do not use any radio that has a damaged antenna. If a damaged antenna comes into contact with the skin when the radio is in use, a burn can result. • Turn off your radio before removing or installing accessories.
 • When the transceiver is used for long transmissions, the radiator and chassis will become hot.

**Batteries Safety**
 • WARNING: KEEP NEW OR OLD USED BATTERIES OUT OF REACH OF CHILDREN.
 • In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice immediately.
 • If a radio or a battery has been submerged in water, please dry and clean it before use. Do not dry the radio or battery with an appliance or heat source, such as a hair dryer or microwave oven. If the radio has been submersed in a corrosive substance (e.g. saltwater), rinse the radio and battery in fresh water, then dry them.
 • Since batteries are sensitive to high temperatures when storing them, keep them in a cool and dry place.

The recommended temperature should be between +10 ℃ and +25℃ and never exceed +30℃. Batteries should therefore not be stored next to radiators or boilers nor in direct sunlight. Extremes of humidity (below 35% and above 95% relative humidity for sustained periods should be avoided since they are detrimental to both batteries and packing. Although the storage life of batteries at room temperature is good, storage is improved at lower temperatures provided special precautions are taken. Also, accelerated warming is harmful.

Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;

A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.

• Turn off your radio before removing or installing a battery. Store spare batteries securely. Dispose of used batteries immediately and safely.

• The battery supply terminals are not to be short-circuit.

• Do not replace the battery in any area labeled "Hazardous Atmosphere". Any sparks created in a potentially explosive atmosphere can cause explosion or fire.

• When the conductive material such as jewelry, keys or chains touches 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 other container with metal objects;

• Dirty battery contacts need to be wiped with clean dry cloth, both on the battery and in the appliance.

• Batteries should be removed from the appliance when not being used for long periods of time (months). The batteries should be enclosed in special protective packaging (such as sealed plastic bags or variants) which should be retained to protect them from condensation during the time they are warming to ambient temperature.

• Exhausted batteries are to be removed from the equipment.

• Do not dismantle, open or shred batteries. Batteries should be dismantled only by trained people.

• Disposal of a battery into fire, or a hot oven, or mechanically crushing or cutting of a battery, that can result in explosion;

• Turn off your radio before charging.

• Batteries shall be charged at 10℃~40℃ environment temperature specified. If the environment temperature is lower than 0℃, the charge shall be prohibition.

• Rechargeable batteries need to be charged with a dedicated charger provided for each piece of equipment before you first use them.

• Rechargeable batteries are only to be charged by adults or by children at least 8 years old under adult supervision.

• 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.

• Do not use the charger outdoors or in moist environments, use only in dry locations/conditions.

• Do not disassemble the charger, which may result in a risk of electrical shock or fire. A charger should be dismantled only by trained people.

• Do not operate the charger if it has been broken or damaged in any way.

• An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of a fire and/or electric shock. If an extension cord must be used, make sure that:

• The pins on the plug of the extension cord are the same number, size and shape as those on the plug of the charger.

• The extension cord is properly wired and in good condition.

• Make sure the cord is located so it will not be stepped on, tripped over or subjected to damage or stress.

**Adapter**

The plug of the adapter is considered a disconnect device. The socket-outlet shall be installed near the equipment and shall be easily accessible.

**Carry Devices**

• Contact Retekess for assistance regarding repairs and service

• For a list of Retekess-approved accessories for your radio model, visit the website http://www.retekess.com