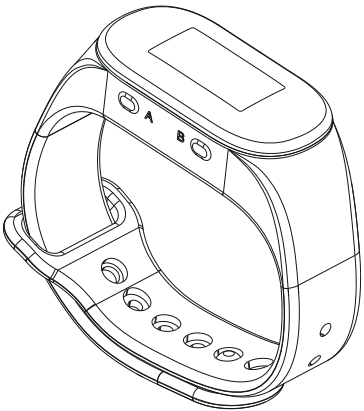
RETEKESS



TD112

USER'S MANUAL

Watch Pager

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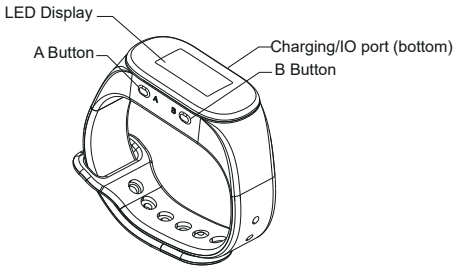
Functional Diagram



Power On, Power Off, Wake Up, Call Confirmation and Delete

1.In the off state, press "B" button to turn on the watch. The user will be reminded to set the watch pager's name and ID when the device is turned on for the first time or after a factory reset.
2.In the standby state, press and hold the "B" button for about 3s to turn it off
3.In sleep mode, press any key or the pager receives an incoming call message to wake up the screen and enter working mode
4.In the working mode, short press any key to confirm and delete the received call
5.In some settings, press and hold "A " button can continuously increase the value

Battery Instructions

Adopt special charging clip method, it takes about 3 hours to be fully charged.
The battery icon flashes while the watch pager is charging in Standby State.
It displays power icon and battery icon flashes while it is charging in the Off State.
Battery icon stops flashing when fully charged.
When the battery is low, the battery icon will flashes on the screen.

Operating Instructions

1.In the standby state, Press and hold (about 1s) "A " button to enter setting mode
2.Press the "A" or "B" button to select the desired value
3.Press "A" button for 1s to enter sub-menu
4.Press the "B " button for 1s to exit and save the current function setting

Paring Operation

1.In the standby state, Press and hold (about 1s) "A " button to enter setting mode
2.Press the "A" or "B" button to select "Pairing"
3.Press and hold (about 1s) "A" button to enter sub-menu
Ext Pair (Pairing with Call Buttons)
Follow the 3 steps above instructions
4.Press the "A" or "B" button to select "Ext Pair"
5.Press and hold (about 1s) "A" button to enter sub-menu, it shows the ID number and ID status. (e.g: Pair NO 0001)
6.Press "B" button to move the edit position
7.Press "A" button to select the desired value (the value could be selected from 0-9, and A-Z), Press and hold (about 1s) "A" button can delete the current paired ID.
8.Press the call button that needs to be paired, the watch pager will vibrates and the status will be changed from "NO" to "OK" . This pairing operation is completed. It will automatically go to the next ID for pairing new call button.
9.Press and hold (about 1s) "B" button to return back to the setting menu after pairing all call buttons

Ket Pair (Pairing with Keypad)
Follow the 3 steps above instructions
4 Press the “A” or “B” button to select “Ket Pair”
5.Press and hold (about 1s) “A” button to enter sub-menu, it shows the Pager ID, Keypad Serial Number and the status.
6.Press “B” button to move the edit position
7.Press “A” button to select the desired value (the value of the Pager ID could be selected from 001-999, and the Keypad Serial Number could be selected from 01-50, "FFF" means that the Keypad Serial Number is not registered and can be paired), press and hold (about 1s) “A” button can delete the current paired ID.
8.Press the corresponding Pager ID number on the keypad, the watch pager will vibrates and shows OK on the display, the “FFF” will be changed to the Keypad ID. This pairing operation is completed.
9.Press and hold (about 1s) “B” button twice to exit the setting mode
NOTE:
A watch pager can pair up to 500 call buttons

Delete Received Call Information

When the watch pager received calls, the received call information will be displayed in a loop (The cycle interval is 5s, and a maximum of 10 calls are cycled)
1.Press and hold any key can delete all incoming calls and return to standby state
2.Press any key to delete the currently displayed call information

Set Time

Time Setting

1.In the standby state, press and hold (about 1s) "A " button to enter setting mode
2.Press the “A” or “B” button to select “Set Time”
3.Press and hold (about 1s) “A” button to enter sub-menu
4.Press the “A” or “B” button to select “Time”
5.Press and hold (about 1s) “A” button to enter the time setting, it shows Hour and Minute, e.g, 13:12
6.Press “B” button to move the edit position among Hour, Minute, Year, Month and Date
7.Press “A” button to select the desired value
8.Press and hold (about 1s) “B” button twice to exit the setting mode

Alarm Setting (up to two alarms can be set)

1.In the standby state, press and hold (about 1s) "A " button to enter setting mode
2.Press the “A” or “B” button to select “Set Time”
3.Press and hold (about 1s) “A” button to enter sub-menu
4.Press the “A” or “B” button to select “Alarm”
5.Press and hold (about 1s) “A” button to enter the Alarm Setting, it shows the alarm times
6.Press “B” button to move the edit position
7.Press “A” button to select the desired value
8.Press and hold (about 1s) “B” button twice to exit the setting mode

Powr T (Timer Switch Setting)

1.In the standby state, press and hold (about 1s) "A " button to enter setting mode
2.Press the “A” or “B” button to select “Set Time”
3.Press and hold (about 1s) “A” button to enter sub-menu
4.Press the “A” or “B” button to select “Powr T”
5.Press and hold (about 1s) “A” button to enter the Timer Switch Setting, it shows the automatic switch times
6.Press “B” button to move the edit position
7.Press “A” button to select the desired value
8.Press and hold (about 1s) “B” button twice to exit the setting mode
NOTE:
The automatic shutdown function can only be performed in the standby state. When the automatic shutdown time is reached, the display will show Auto Off, and watch will vibrate twice to remind the user, the user can press any key to stop the automatic shutdown within 10s.

Prompt Setting

Vibration Time

1.In the standby state, press and hold (about 1s) "A " button to enter setting mode
2.Press the “A” or “B” button to select “Prompts”
3.Press and hold (about 1s) “A” button to enter sub-menu
4.Press the “A” or “B” button to select “Vibrate T”
5.Press and hold (about 1s) “A” button to enter Vibration Time Setting, it shows the vibration status and prompt time. (The time can be set from 1 to 15 seconds)
6.Press “B” button to move the edit position
7.Press “A” button to select the desired value
8.Press and hold (about 1s) “B” button twice to exit the setting mode

Display Time

1.In the standby state, press and hold (about 1s) "A " button to enter setting mode
2.Press the “A” or “B” button to select “Prompts”
3.Press and hold (about 1s) “A” button to enter sub-menu
4.Press the “A” or “B” button to select “Display T”
5.Press and hold (about 1s) “A” button to enter Display Time Setting, it shows the display time on the screen. (The time can be set from 00 to 10 minutes, 00 means the calling information will never auto-cleared)
6.Press “B” button to move the edit position
7.Press “A” button to select the desired value
8.Press and hold (about 1s) “B” button twice to exit the setting mode

Note:
The storage time of the call information is the vibration time plus the display time

Working Mode Setting

1.In the standby state, press and hold (about 1s) "A " button to enter setting mode
2.Press the “A” or “B” button to select “Modes”
3.Press and hold (about 1s) “A” button to enter sub-menu
4.Press the “A” or “B” button to select the desired value
5.Press and hold (about 1s) “B” button twice to exit the setting mode

Note:
There are 3 working modes available: General, Single Button and Choose Receiver, General and Choose Receiver are compatible with each other while pairing, if the user change General or Choose Receiver to Single Button working mode, you need to operate the pairing again.
“General” working mode allows the user to pair with keypad and multi-key callers.
“Single B” working mode allows the user to pair any key from one multi-key caller with the watch pager. This function allows each key from one multi-key caller to call a specific watch receiver if needed, the key names received on the watch are the same.
“Choose R” working mode allows the user to set the watch to receive calls from the specific keys from one multi-key caller. And the user can set desired key names for the specific keys following the “Key Set” instruction.

Key Set (Set the Key Name)

1.In the standby state, press and hold (about 1s) "A " button to enter setting mode
2.Press the “A” or “B” button to select “Key Set”
3.Press and hold (about 1s) “A” button to enter sub-menu, it shows the key name, serial number and selection box
4.Press the “A” or “B” button to select the desired value
5.Press the corresponding key from call button that need to defined the key name, the serial number will become the key value at the same time, the key set it completed.
If the user use Watch Pager Software to set the custom key name, press "A" and "B" buttons at the same time to switch between the custom and the default key name.
6.In the “Choose R” working mode, press and hold (about 1s) “A” button to select or cancel the selection
7.Press and hold (about 1s) “B” button twice to exit the setting mode

NOTE
Only one key name can be set for a key, it shows “FF” on the screen if there is no serial number for the key name. If the watch pager does not respond when the call button is pressed after pairing, please refer to the above steps to set the key name, Or set the key name through the Watch Pager Software.
(Note: When you use the Watch Pager Software to custom the key name, the cancel button needs to be edited as “CANCEL”)

Language Setting

1.In the standby state, press and hold (about 1s) "A " button to enter setting mode
2.Press the “A” or “B” button to select “Language”
3.Press and hold (about 1s) “A” button to enter sub-menu
4.Press the “A” or “B” button to select the desired value (English, Chinese, Italiano, Español, Deutsch, Français, and Português are available to select)
5.Press and hold (about 1s) “B” button twice to exit the setting mode

Name ID Setting

1.In the standby state, press and hold (about 1s) "A " button to enter setting mode
2.Press the “A” or “B” button to select “Name ID”
3.Press and hold (about 1s) “A” button to enter sub-menu, it shows the Name and ID on the screen.
4.Press “B” button to move the edit position
5.Press “A” button to select the desired value (The ID could be set from 001-999, the name could be set with A~Z, a~z and space, the name up to 10 characters)
6.Press and hold (about 1s) “B” button twice to exit the setting mode
Note:
The user will be reminded to set the watch pager’s name and ID when the device is turned on for the first time or after a factory reset. Press and hold (about 1s) “B” button can exit the setting mode

Restore Factory Setting

Clear Pairing

1.In the standby state, press and hold (about 1s) "A " button to enter setting mode
2.Press the “A” or “B” button to select “Default”
3.Press and hold (about 1s) “A” button to enter sub-menu
4.Press the “A” or “B” button to select “Clear”
5.Press and hold (about 1s) “A” button to clear the pairing data, it shows “Clearing ...” on the screen
6.Press and hold (about 1s) “B” button twice to exit the setting mode

Reset

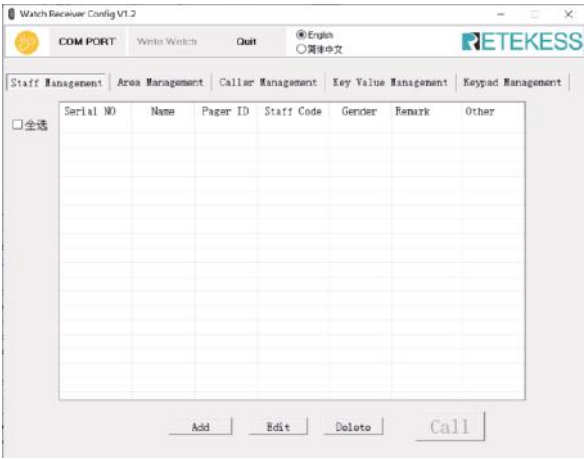
1.In the standby state, press and hold (about 1s) "A " button to enter setting mode
2.Press the “A” or “B” button to select “Default”
3.Press and hold (about 1s) “A” button to enter sub-menu
4.Press the “A” or “B” button to select “Reset”
5.Press and hold (about 1s) “A” button to enter reset setting, it shows “Clearing ...” on the screen
The watch pager will automatically restart after the factory reset is completed

Specifications

Standby power consumption: 2.5mA
Working frequency: 433Mhz
Adapter: 5V1A
Standby time: 48-72 hours
Capacity: 450 call buttons + 50 keypads + 50 custom callers
Stored call information: 10

Watch Pager PC Software introduce

Software interface



You can download the Watch Pager Software and Instruction from the Retekess official website: https://www.retekess.com/resources/download

General operation

The user can change the watch pager's settings through software

1.Open the Watch Pager Software on PC

2.Connect the watch pager (the watch needs to be on the standby state) to the PC with the charging cable, then you can perform the relevant operations in the software.

3.Press "Write" after editing the desired value on the software.

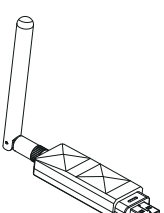
NOTE

1.The original data will be overwritten when using the software to write data, we recommend that you export and save the original data before making settings

2.The "Caller ID" can be obtained automatically by pressing the corresponding button when the Watch Pager and Software are connected.

Extended Function (Page Watch Pager from PC)

Connect the Retekess USB transmitter (Retekess model:TD030) to PC, the user can page the watch pager via Watch Pager Software. The following USB transmitter needs to be purchased separately.



TD030

WARNING

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE

Before using this radio, read this guide which contains important operating instructions for safe usage and rf energy awareness and control for compliance with applicable standards and regulations.

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 Retekess 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 Retekess radio has a RF Exposure Product Label. Also, your Retekess 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, ISED, OFCOM, ANFR, BFTK, Bundesnetzagentur...).To transmit on these frequencies, you are required to have a license issued by them. 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 may be 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.
•(If applicable) 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.
•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:

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.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage;
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Information (if appropriate)

•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 the 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 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.

Protect your hearing

• Use the lowest volume necessary to do your job.
• Turn up the volume only if you are in noisy surroundings.
• Turn down the volume before adding 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 careful with the earphone maybe 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.

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.
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 other container with metal objects
Long transmission
•When the transceiver is used for long transmissions, the radiator and chassis will become hot.

Safety Operation

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 risk of electrical shock or fire.
•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 air bag or in the air bag deployment area. The radio may be propelled with great force and cause serious injury to occupants of the vehicle when the air bag 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 Retekess for assistance regarding repairs and service.
•The adapter shall be installed near the equipment and shall be easily accessible
•Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries **according to the instructions.**
•Adapter shall be installed near the equipment and shall be easily accessible.
•The plug considered as disconnect device of adapter.
•The operating temperature of the EUT can't exceed the specified range.

Approved Accessories

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