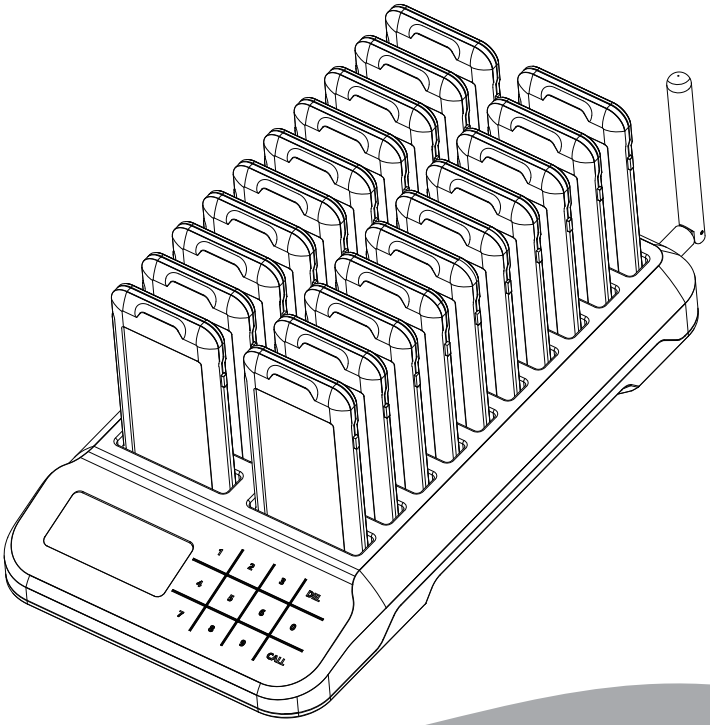
RETEKESS

Queue Wireless Calling System
User Manual

TD172



Product introduction

Thank you for using Retekess Paging System, it adopts RF wireless technology. The TD172 guest paging system consists of 1 keyboard transmitter and 20 pagers. Each one keyboard transmitter can pair up to 998 pagers. It is widely used in fast food restaurants, coffee houses, pizza shops, 4S stores, churches and other places where there are many guests waiting for their services.
The system improves overall efficiency and service level, reduces labor costs and enhances image.
HOW TO USE THE PAGING SYSTEM?

1) Guests come to the restaurant and make an order. The waiter gives each guest a pager; every pager has a number on it (No.1~998).
2) When the order is read, the waiter at the counter will press the number on the transmitter. The corresponding guest gets the wireless signal by his pager vibrating or LED flashing or beeping, then he knows order is ready and goes to the counter to take his food.

Technical Sheet

Keyboard Transmitter	
Dimension	275*150*35mm
Material	ABS
Transmit Power	52.32 dBuv/m
Frequency	433.92MHz
Power Supply	DC12V/2A
Support Receiver	998(20/SET)
Pager	
Dimension	105*51*11mm
Material	ABS
Receiving Sensitivity	-103dB
LI-Polymer	3.7V/300mAh
Frequency	433.92MHz
Standby Time	≈18 Hour
Support Receiver	Beep /Flashing/Vibration

Packing List

Name	Quantity (PCS)
Keyboard Transmitter	1
Pager	20
Power Adapter	1
User Manual	1

Operating Instructions

1. Notes

1.1. All the pagers should be placed in the charging slot before the operation, and be set up after charging for 20 minutes.

1.2. Power on: Place all receivers in the charging slots. After the keyboard transmitter is powered on, the pagers will automatically turn on.

1.3. Power off: Place all the paired pagers in the charging slots. Enter “999” by the keyboard transmitter and then press the [Call] button.

1.4. Enter the setting mode: Press the [Call] button and the [Clear] button at the same time until the transmitter displays [F1], then enter the mode selection interface. At this time, input the corresponding number “1-4” by the keyboard to choose the function settings, and press the [Call] button to enter the setting mode. After setting, press [Clear] to exit the setting mode, and the standby screen will display “---”.

1.4.1. Enter the number "1": [F1] Keyboard Transmitter ID setting

1.4.2. Enter the number "2": [F2] Pager ID setting

1.4.3. Enter the number "3": [F3] prompt mode setting

1.4.4. Enter the number "4": [F4] prompt duration setting

Operation process: First to set the Keyboard ID [F1], then set the prompt mode [F3], then set prompt duration [F4].

After completing the above settings, finally set the pager ID [F2].

2. 【F1】Keyboard Transmitter ID Setting

Enter the setting mode, the current keyboard transmitter ID flashes on the display.Enter the new ID number “001-999” by the keyboard, then press the [Call] button to save.

Note: If there is no special requirement, please do not modify the keyboard transmitter ID. Otherwise, all the pagers need to be repaired to the transmitter.

In addition, do not set the keyboard transmitter ID to “000”.

3. 【F2】Pager ID Setting

3.1. Firstly, remove all the pagers from the charging slots, then enter the pager ID setting mode 【F2】, the "001" will flashes on the display. Input the new ID number “1-998” by the keyboard. Then put the pager that need to be set into the charging slot, the pager’s indicator light flashes, it means to be set successfully.

Then remove the pager from the charging slot, and set the other pagers in turn, press [Clear] button to exit after all pagers ID settings are completed.

3.2. Do not set "999" as the pager ID, since this ID is the default set to turn off all of the pagers.

3.3. To modify the pager ID, just set a new ID, it will automatically overwrite the old one.

4.【F3】Prompt Mode Setting

Enter the prompt mode setting 【F3】, the default screen flashes “001”, enter number “0 (buzzer beep off)/1 (buzzer beep on)” from the keyboard, press the [Call] button to save.

5.【F4】Prompt duration setting

Enter the prompt duration setting mode, the default screen flashes “001”,then enter the number “1-999” from the keyboard, press the [Call] button to save. The unit is seconds.

Precautions

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE

ATTENTION!	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.
- 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

• 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.

Precautions

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.

EU Importer：Germany Retevis Technology GmbH
Address：Uetzenacker 29,38176 wendeburg

RETEKESS

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 replament if lost.
2. Most new products carry a two-year manufacturer's warranty from the date of purchase.
3. The user can get 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.

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