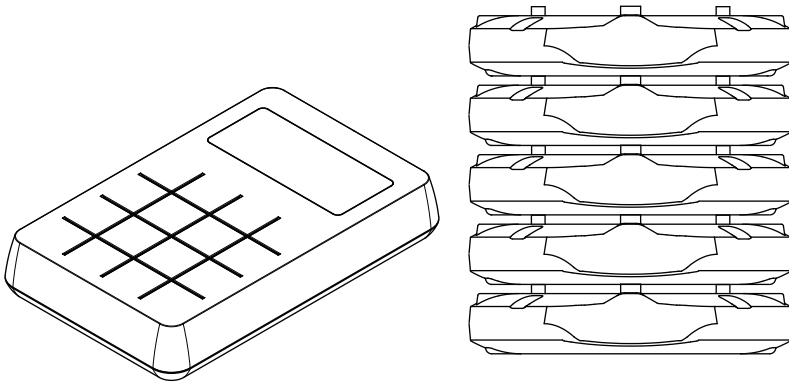# RETEKESS

Queue Wireless Calling System
User Manual
TD158

Product introduction

Thank you for using Retekess Paging System, it adopts RF wireless technology. The TD158 guest paging system consists of 1 keyboard transmitter and 10 coaster pagers. Each one keyboard transmitter can pair up to 999 coaster 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 coaster pager; every pager has a number on it (No.1~999).

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 coaster pager vibrating or LED flashing or beeping, then he knows order is ready and goes to the counter to take his food.

Technical Sheet

Coaster Pager	
Operating Voltage	DC 3.7V (rechargeable battery)
Receiving frequency	433MHz
Stand-by current	10mA
Standby time	≈ 12 Hour
Receiving sensitivity	-103DB
Battery capacity	300mAh
Modulation technology	AM
Size	Φ80.5*15mm
Keyboard Transmitter	
Power input	DC12V/1A
Transmitting frequency	433MHz
Output power	10mW
Modulation technology	AM
Size	120*76*20 mm

Packing List

Name	Quantity (PCS)
Keyboard Transmitter	1
Coaster Paging	10
Power Adapter	2
Charger Base	1
User Manual	1

Operating Instructions

1, Power On

Connect the power supply of the keyboard transmitter, the power indicator will be on and the screen shows 3 numbers.

Put the pagers on charging base and connect the power source. In the charging state, the green light of the pager is flashing.After the pager is fully charged, the green light is always on. The red light will flash if the pager is not charged.

"Lo" will be displayed on the digital tube when the pager with a low battery. (This function only be available for the one model which built with digital tube)

The pagers could be powered on by putting back them to the charging base while it connects the power.

2, Power Off

Put the pagers on the charging base, press"0" and then CALL button to turn off all the pagers that in the charging base. All the pagers in the charging base will be in the charging mode (there is no number shows on the digital tube, only the green light is on). Then disconnect the charging case.

Don't make the pagers charge or in standby mode for a long time when they are not used.

Otherwise it will reduce the battery performance.

3, Settings

Press the SETTING button to enter the setting mode, then press "+/-" buttons to select the function that need to change, press "√" to confirm entry.

"F1" : Set the ID of the keyboard transmitter, it could be set to number 1 to 999, enter the number through keyboard, and then press "√" to confirm.

It is used when you need to use more than one keyboard transmitter to work with the same pager.

Or there is interference from other system.

Note: please do not modify the ID if none of the above occurs. All the pagers need to be repaired after changing the ID.

"F2": Pairing, set the ID of the coaster pager. Enter the number through the keyboard (1-999), pick up the pager from the charging base, and press "√" button to confirm within 3s. The pager will beep and flash after setting successfully.

"F3": Set the pager reminder time. Enter the time from 1-200s through the keypad, pick up the pager from the charging base, and press "√" button to confirm within 3s. The pager will beep and flash after setting successfully. If you set the reminder time is 0s, the pager will be alarm all the time. The default setting is 30s.

"F4": Set the beep mode. Enter 0, 1, 2 or 3 through the keypad, pick up the pager from the charging base, and press "√" button to confirm within 3s. The pager will beep and flash after setting successfully. If you set the reminder time is 0s, the pager will be alarm all the time.

0 stands for the beep close mode

1 stands for slow mode

2 stands for medium-speed mode

3 stands for fast mode

The default setting is medium-speed mode.

"F5": Set the vibration mode. Enter 0 or 1 through the keypad, pick up the pager from the charging base, and press "√" button to confirm within 3s. The pager will beep and flash after setting successfully.

0 stands for vibration close mode

1 stands for vibration on mode

NOTE: when you do all the settings are mentioned above, the pagers must be in the charging base and connect the power. After all the setting completed, press the back button to exit.

4, Call Function

Input number and press CALL through the keypad, the corresponding pager will alarm to remind.

The default reminder mode is Vibration + Beep + Flash

The pager will stop reminding when get it back to the charging base or reach the set reminder time

If input wrong numbers, press the back button to delete and then re-enter the correct number.

Precautions

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.
ATTENTION!	

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:0~45℃.

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.

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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