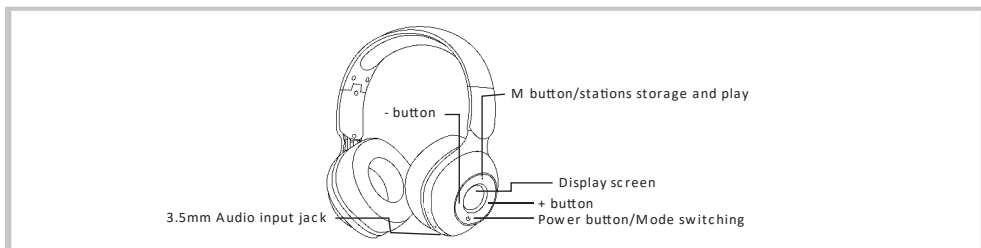


# Retekess TR104 FM Headphone User Manual

## Product schematic diagram



## Operation instructions

1. Power supply: First install 2 AAA batteries.
2. Power on and off: Press and hold the power button for 3 more seconds to turn it on, and press it again to turn it off. Every time you turn it on, it is in FM mode.
3. Automatic search: In FM mode, press and hold "+" or "-" for 2 more seconds to start searching for the station automatically forward or backward. After searching for the station, it will stop automatically.
4. Manual fine-tuning: In FM mode, click the power button and the last digit of the display frequency will begin to flash, and click "+" or "-" to step forward or backward in 0.1MHz steps.
5. Volume adjustment: In FM mode, click the "+" or "-" button to turn up/down the volume.
6. Mode switching: Click the power button, the whole machine rotates in three modes: FM/Manual fine adjustment.
7. Stations storage: In FM mode, press and hold the "M" key for 2 more seconds, the system will store the current station. At this time, the LCD will display the stored channel number (01-08) and flash 3 times. The current station is redisplayed after the flashing is completed. A total of 8 channels can be stored, and when the memory is refilled, the 01 channel starts to be overwritten. Unplug the battery and remove all stored stations.
8. Reading station: In FM mode, click the "M" button to read the stored station directly. Press the "M" button again to select a stored station.
9. Wired headset function: In the off state, there is no need to install a battery. Connect the headphones and audio output device with a 3.5mm audio cable, which can be used as a wired headset. (Note: Audio cable is sold separately)

## Technical Parameters

- |  |   |
|--|---|
| 1. Frequency range: FM 50-108MHz       | 2. Sensitivity: FM >8uV                 |
| 3. Number of stations stored: 8        | 4. Speaker specifications: 32Ω 250mW    |
| 5. Output power: ≥20mW                 | 6. Working current: FM ≤65mA            |
| 7. Shutdown and standby current: ≤65uA | 8. Power: 2 x AAA battery(not included) |

## Common problems and solutions

### cannot turn on:

1. Please make sure if the positive and negative terminals of the battery installed correctly.
2. Whether the battery has electricity. The brightness of the display reflects the level of power.
3. Press and hold the key for three seconds to turn it on.

### Headphones noise:

1. Replace the battery.
2. Tested in places where the signal is strong or empty. The dormitory signal is weak and the interference is too strong.
3. When using it as a wired headset, turn off the unit or unplug the battery.

### Only have sound on one side:

In the wired state, whether the jack is in place exactly.

### How to clear an saved station:

Unplug the battery.

- Note:**
- ① Do not use this product in a flammable or explosive environment (such as gas stations, steam rooms, etc.).
  - ② Do not use in thunderstorms. Thunderstorms can cause equipment to malfunction and increase the risk of lightning strikes.
  - ③ Remove the battery for 7 days without using it to avoid leakage of the product.

EU Importer: Germany Retevis Technology GmbH  
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# 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.

## Local Government Regulations

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

## 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.reteless.com](http://www.reteless.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 Warning Statements

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

## 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.
- To avoid interference, turn off the radio in areas where signs are posted to do so.
- 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.



## Approved Accessories



- This radio meets the RF exposure guidelines when used with the Reteless 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 Reteless-approved accessories for your radio model, visit the following website: <http://www.Reteless.com>