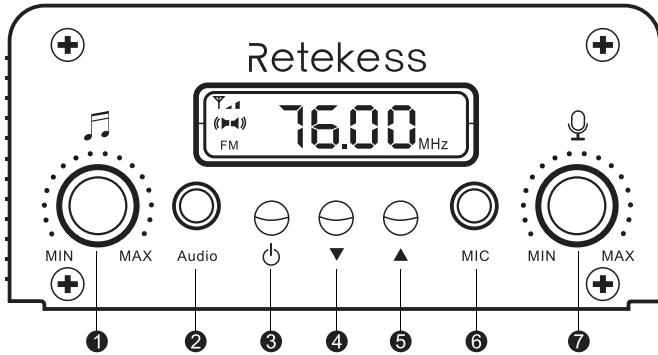


Retekess

TR501

FM Transmitter User manual



- ① Audio volume adjustment
- ② Audio socket
- ③ ON/OFF setting button
- ④ Down button
- ⑤ Up button
- ⑥ Microphone socket
- ⑦ Microphone volume adjustment

Turn on and turn off the transmitter

In standby mode, long press **[ON]** button, the transmitter goes into working mode.

In working mode, long press **[ON]** button, the transmitter goes into standby mode.

Frequency setting

Short press **[ON]** button to make **[MHz]** icon flashes.

Short press **[▲]** button or **[▼]** button, the frequency will step by 100k.

Long press **[▲]** button or **[▼]** button, the frequency will step by 100k continuously.

Transmitter power rate set and stereo mode switch

Transmitter power setting: short press **[ON]** button to make **[P]** icon flashes. Press **[▲]** button to decrease power rate. Press **[▼]** button to increase power. (2-grid signal icon indicates 6W, 1-grid signal icon indicates 1W) Stereo mode switch: short press **[ON]** button to make **[S]** icon flashes. Press **[▲]** or **[▼]** button to switch sound track.

Volume setting

Turn the audio knob or MIC knob clockwise to increase volume and counter clock wise to decrease volume.

Specification

No.	Index	Specification
01	Work voltage	DC12V
02	Work currency	< 3A
03	Frequency	76-108mhz
04	Frequency Stability	± 10PPM
05	Frequency step	100KHz
06	Work temperature	-10 C~45 C
07	Output impedance	50Ω
08	Transmit Output power rate	6W/1W
09	Harmonic wave	≤ -50dB
10	THD	0.30%
11	Frequency response	50Hz~15000Hz
12	Separation	≥ 30dB
13	Input level	≤ -15~-15dBV
14	Modulation frequency offset	± 75KHZ
15	SNR	≥ 60dB
16	Transmitter size	144*100*54mm
17	Transmitter weight	550G

Cautions

Do not turn on the transmitter before antenna connected.

Do not touch the antenna when the transmitter is power on.

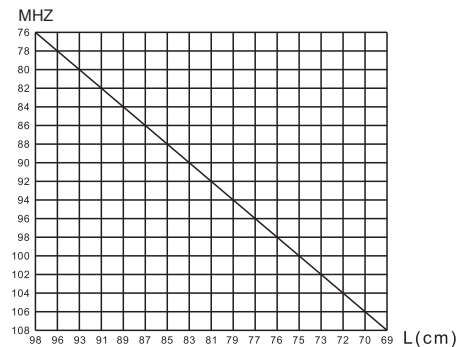
Do not use the transmitter in explosive environment, such as gas station and oil warehouse.

Thundering and lighting protection measurement should be taken.

Please comply with national laws and local radio regulations.

Maintenance of the transmitter can only be operated by professional technicians.

76-108MHz frequency & Antenna length table



Transmit Frequency MHz	76	78	80	82	84	86	88	90	92
Antenna Length IN	38.6	37.8	36.6	35.8	35.0	34.3	33.5	32.7	31.9
Transmit Frequency MHz	94	96	98	100	102	104	106	108	
Antenna Length IN	31.1	30.3	29.9	29.5	28.7	28.3	27.6	27.2	

Guarantee

Remarks:

- This guarantee card should be kept by the user, no replacement if lost.
- Most new products carry a two-year manufacturer's warranty from the date of purchase. Further details, pls read www.retekess.com
- The user can get warranty and after-sales service as below:
 - Contact the seller where you buy.
 - Products Repaired by Our Local Repair Center.
- For warranty service, you will need to provide a receipt proof of purchase from the actual seller for verification.

Exclusions from Warranty Coverage:

- To any product damaged by accident.
- In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
- If the serial number has been altered, defaced, or removed.

Guarantee	
Model Number:	
Serial Number:	
Purchasing Date:	
Dealer:	
Telephone:	
User's Name:	
Telephone:	
Country:	
Address:	
Post Code:	
Email:	

Warnings



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 the 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 user manual, or separate safety booklet includes information and operating instructions required to control your RF exposure and to satisfy compliance requirements.

Compliance with RF Exposure Standards (If appropriate, Reference to the actual product's Safety Marking)

Your Reteless radio is designed and tested to comply with a number of national and International standards and guidelines (listed below) for human exposure to radio frequency electro-magnetic energy.

FCC ID

The FCC ID means: This radio complies with the IEEE (FCC) and ICNIRP exposure limits for occupational/controlled RF exposure environments at operating duty factors of up to 50% talk-50% listen and is approved for occupational use only.

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.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE

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.



The CE marking means: Hereby, Henan Eshow Electronic Commerce Co.,Ltd. declares that the radio equipment type is in compliance with the 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.tivdio.com

IC ID

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- This device may not cause interference, and
- This device must accept any interference, including interference that may cause undesired operation of the device.

In terms of measuring RF energy for compliance with these exposure guidelines, your radio generates measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.

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.

Turn off your radio power in the following conditions:



- Turn off your radio before removing (installing) a battery or accessory or when charging battery.
- Turn off your radio when you are in a potentially hazardous environments: Near electrical blasting caps, in a blasting area, in explosive atmospheres (flammable gas, dust particles, metallic powders, grain powders, etc.).
- Turn off your radio while taking on fuel or while parked at gasoline service stations.

To avoid electromagnetic interference and/or compatibility conflicts

- Turn off your radio in any facility where posted notices instruct you to do so, hospitals or health care facilities (Pacemakers, Hearing Aids and Other Medical Devices)

- may be using that is sensitive to external RF energy.
- 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.

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 (If appropriate)

- 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 Reteless for assistance regarding repairs and service.

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