Retekess TR603 FM/AM/SW Multiband Radio MP3 Speaker User Manual

1 0-9 number buttons	**11** Previous MP3/channel, rewind	
2 Power switch ON/OFF	**12** Play/Pause/Mute	
3 Volume knob	**13** Next MP3/ channel, fast-forward	
4 Tuning Knob	**14** MP3 / AUX	
5 LED charging jack	**15** Repeat	
6 DC 5V charging indicator	**16** FM	
7 Audio input	**17** AM (MW)	
8 USB port	**18** SW	
9 Earphone output	**19** Auto scan radio channels	
10 TF card slot	**20** Memory radio channels and delete radio channels manually	

Operation Instruction of Each Button

1) **0-9**: In MP3 mode, number buttons 0-9 can be used to select one specific MP3 (For example, continuously press buttons 1+6+8 to select the 168th MP3, but if the total number of the MP3 is not more than 168, will play the current one MP3);
In FM/AM/SW radio mode:
A. Number buttons 0-9 can be used to select one specific channel (For example, continuously press buttons 1+5 to select the 15th channel, but if the total number of the radio channels is not more than 15, will play the current one radio channel);
B. Number button 0-9 can also be used to select one specific channel by radio frequency (For example, in FM radio mode, continuously press button 8+9+8 to select a channel of 89.8MHz);
2) **ON/OFF**: Power switch, turn on or turn off this product;
3) ➖ : Volume knob, volume up to the big side, volume down to the small side;
4) **TUNING**: Tuning knob, used to tune the frequency of radio;
5) **LED charging indicator**: When charging, it is in red color; when fully charged, it is in green color;
6) **DC 5V**: 5V charging jack;
7) **AUX**: Plug in 3.5mm audio cable, then can be used as external speaker with audio input function for mobile phone, computer and so on;
8) **USB**: Plug in USB flash drive with MP3 files inside and then the MP3 files can be played;
9) ⌒ : Earphone output jack, plug in earphone, then the audio will transfer to the earphone, and the speaker will become mute;
10) ⬚ : Plug in TF card with MP3 files inside and then the MP3 files can be played. Please kindly insert the TF card in right direction, if not, may damage the product or the TF card;
11) |◀◀ : In MP3 mode, short press for previous MP3 while long press to rewind; In FM/AM /SW mode, short press for previous channel;
12) ▶|| : In MP3 mode, short press to play or pause; In FM/AM/SW mode, short press to become mute;
13) ▶▶| : In MP3 mode, short press for next MP3 while long press to fast-forward; In FM/ AM/SW mode, short press for next channel;
14) **MP3**: Mode switch among USB/TF/AUX;
15) ⟳ : First press for "ONE", repeating the current one MP3; next press for "ALL", repeating all the Mp3;
16) **FM**: Press to play FM radio;
17) **AM (MW)**: Press to play AM (MW) radio;
18) **SW**: Press to play SW radio;
19) **SCAN**: In radio mode, hold press for 3 seconds to automatically scan and memory channels
20) Memory/Delete : In radio mode, selecting your desired radio frequency by pressing 0-9 number

buttons directly or by turning the "TUNING" knob, and then shortly press this button, the related radio channel can be saved according to the order of frequency; If you want to delete the radio channels which you do not like, hold press this button for 3 seconds and then the radio channels can be deleted (Please refer the detail operations to the NO. (4) point of NO.2 point).

FM/AM/SW Radio

This radio has three bands which are FM, AM, and SW. The detail features and operations are introduced as follows:

(1) FM Radio:
Features: FM radio is also called frequency modulated radio. The radio emission is linear. Because of its high frequencies and short wave, it is very easy to be obstructed by a large building or mountain. This is why in some remote countries, it is hard to receive FM signal well. But it has the advantage that it can have clear sound and is not easy to be interfered by electromagnetic waves that come out from household appliances.
FM radio frequency: 87.5-108MHz
Scan FM radio: Completely pull out the radio antenna, press "FM" button to change to the mode of FM radio, then the "FM" icon will light on the top left corner of display screen; Then hold press the button "SCAN" for over 3 seconds and stop, the numbers on the display screen will jump up quickly from 87.5 and stop at 108, which means the FM radio is Auto-scanning channels and during this time you should not do any other operations on this product. When finish scanning, it will automatically turn back to play the first channel.
(2) AM (MW) Radio:
Features: AM (MW) is belong to medium wave, so it is easy to be interfered by electroma-gnetic waves that come out from power charger, light, computer and so on, which may lead to failure to scan AM channels. So you had better move to some places without much interference of electromagnetic waves when you scan the AM radio. In AM radio mode, the bigger noise, the bigger interference. The big interference may lead to failure to scan AM radio. But it has the advantage that it has long wave which can bypass the large building or mountain. This is why in some remote countries, although it is hard to receive FM signal well, it can receive AM signal well.
AM radio frequency: 522 – 1710 KHz
Scan AM radio: Press "AM" button to be the mode of AM, then the "MW (AM)" icon will light on the left middle side of the display screen, hold press the button "SCAN" for over 3 seconds and stop, the numbers on the display screen will jump up quickly from 522 and stop at 1710, which means the AM radio is Auto-scanning channels and during this time you should not do any other operations on this product. When finishes Auto-scanning, it will automatically turn back to play the first channel.
(3) SW Radio:
Features: SW is called short wave, its frequency is 2300-21950KHZ, which is between FM frequency and AM frequency. SW signal depend most on the weather. If in sunny day, the

sunshine will absorb the SW signal, which will lead to hard to receive SW signal in day. This is why it is better to receive SW signal at night.
SW radio frequency: 2300-21950KHZ
Scan SW radio: Press "SW" button to change to the mode of SW radio, then the "SW" icon will light on the bottom left side of the display screen; then hold press the button "SCAN" for over 3 seconds and stop, the numbers on the display screen will jump up quickly from 2300 and stop at 21950, which means the SW radio is Auto-scanning channels and during this time you should not do any other operations on this product. When finish scanning, it will automatically turn back to play the first channel.
In FM/AM/SW radio mode, when finish scanning, you can press "|◀◀ " or "▶▶|" to choose the previous or the next radio channel. Or you can use number buttons 0-9 can be to select one specific channel (For example, in FM radio mode, if total FM channels is 50, then you can continuously press buttons 3+5 to select the 35th radio channel. If can not scan out or only scan out very few radio channels, please try to Auto-Scan one more time to see if it will be better.
(4)Memory radio channels and delete radio channels manually
A. Memory radio channels manually:
In usual life, everyone has different usage habits, and some people want to save more radio channels, but when Auto scan the radio, the radio can only catch those radio channels with strong signal, can not catch those radio channels with weak signal. If your desired radio channel is with weak signal and you want to save it and at this situation, you need to memory channels manually.
Detail operations are as follows:
a. If you know the frequency of your desired radio channel, you can save the radio channel by press the "0-9" number buttons. For example, for FM radio frequency "1062MHz",you can press number buttons "1, 0, 6, 2"and then shortly press the button " Memory/Delete ", the display screen will appear the word "SAVE", which means the radio channel has been saved in its related position. You can press " |◀◀ " or " ▶▶| " to choose the radio channel or press the "0-9" number buttons to choose the radio channel. For example, if one of your desired radio channel is saved as NO.1 channel, then you can press number button "1" to choose to play this radio channel.
b. If you do not know the frequency of the radio channels, you can turn the "TUNING" knob to find out the radio channels you want to save, and then shortly press the button " Memory/Delete " to save them.
B. Delete radio channels manually:
It is waste of time to choose your desired channels if the radio has saved many channels and at this time you can delete the channels you do not like as follows:
Press " |◀◀ " or " ▶▶| " to choose the radio channels you do not like or the fake channels (Fake channels means the channels with noise but no signal), hold press " Memory/Delete " for 3 seconds, the display screen will appear the word "DEL", which means the radio channel has been deleted.

The Battery Charging Method

1) When reading USB/TF intermittently or display screen flashing, indicates that the battery voltage is not enough and you need to charge the battery by using the USB charging cable: plug the big end into the USB jack of computer or USB power adapter, and plug the small end into the DC5V charging jack of this unit. When charging, the LED charging indicator will light in red color. Otherwise, means failure to charge.
2) Charging time is 3-5 hours, and the charging indicator will turn green color when it is fully charged;

Precautions

1) Please charge this product under safe environment, do not charge under unstable voltage or near dangerous goods;
2) Please do not use this product near water or put it into liquid;
3) Please do not use this product near the environment over 40 degrees Celsius;
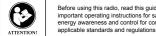4) Please do not throw this product into fire, may have risk to cause explosion.

Specifications

1) Radio frequency:
FM: 87.5-108MHz
AW: 522 – 1710 KHz
SW: 2300 – 21950 KHz
2) Decoding: 8-320KBPS
3) S/N: 87dB
4) Speaker: 40mm 3ohms 5w
5) Charging voltage: DC 5V ⎓ 500mA
6) Output power: 3W (Max)
7) Dimension: 128*29*83mm

Packing Accessories

• USB charging cable*1
• Audio cable*1
• BL-5C lithium battery*1
• User manual*1

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.

ATTENTION!

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 Retekess 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 Retekess 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:
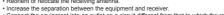(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to 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.

CE
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.retekess.com

IC ID

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) This device may not cause interference, and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
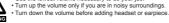In terms of measuring RF energy for compliance with these exposure guidelines, your radio generates measurable RF energy only while it is transmitting (during talking), not when it is receiving (listening) or in standby mode.
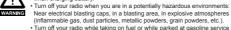
Avoid Choking Hazard

 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.

WARNING

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 (inflammable 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

WARNING

Medical Devices) may be using equipment 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

 WARNING
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

 WARNING
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.