

# RETEKESS

## TA100 5.8G WIRELESS AUDIO TRANSMISSION OPERATION MANUAL

### PRECAUTIONS

#### Location

Using the product in the following locations could result in a malfunction:

- Locations of extreme temperature or humidity
- Excessively dusty or dirty locations
- Locations of excessive vibration
- Locations near to magnetic

#### Power supply

Be sure to turn power OFF when the product is not in use. Charge the product when the low battery indicator alarms. When the product is not used for a long period, please charge the product every six months to extend the battery's cycling life.

#### Interference with other electrical devices

Keep certain distance with other wireless devices using the same frequency.

#### Handling

To avoid breakage, please do not apply excessive force to the switch buttons or other controls.

#### Care

If the exterior becomes dirty, wipe it with a clean and dry cloth. Do not apply liquid cleansers such as: benzene, diluter, or other cleansers that contain flammable compounds.

#### Keep other things out of your product

Do not set any container with liquid in it close to this machine. If liquid gets into the machine, it may cause a breakdown, fire, or electrical shock. Be careful not to let metal objects get into the equipment.

#### Keep this owner's manual

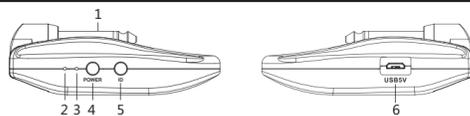
After reading this manual, please keep it for later reference.

### MAIN FEATURES

Wireless audio transmission system consists of two parts including Transmitter and Receiver, using 5.8G frequency.

1. Suitable for guitar, bass and all instruments with 6.35mm audio jack.
2. Transmitter and Receiver are with 6.35mm mono audio plug, 120° rotatable, compatible for all different audio jack positions.
3. Transmitter and Receiver have built-in lithium batteries.
4. Four built-in channels, with four color indicators to indicate each channel.
5. Delay time less than 5.6 ms.

### PARTS AND FUNCTIONS



#### Transmitter (black color)

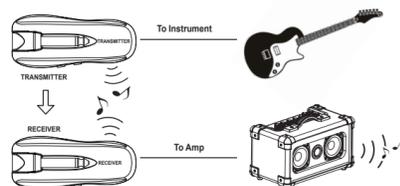
1. 6.35mm gauge audio connector, connecting to instruments or other devices with same gauge audio output jack.
2. Indicator (orange)
3. Channel and power indicator
4. Power button
5. ID button
6. Micro USB power recharging jack

#### Receiver (white color)

1. Audio output connector, connecting to amp or any other products with same gauge audio input jack. (all the other parts and functions are the same as Transmitter).

### HOW TO USE

1. Press and hold POWER buttons on Transmitter and Receiver to turn On.
2. If that both ID indicators show a same colour and orange lights Off, which means that Transmitter and Receiver are paired successfully and ready to use.
3. If that the orange indicator flashes, press and hold both Transmitter and Receiver ID button for 5 - 7 seconds to turn the ID lights a same colour and orange indicators Off.
4. Connect the Transmitter to your instrument, and Receiver to your amps or pedals. Play and enjoy the freedom!



#### NOTICE:

1. In case of failure pairing, press Transmitter POWER button first (back to factory preset), and then operate following step 2 above.
2. In case of unexpected influence happened to the wireless connection, just only press Transmitter ID button to change to another channel, and the Receiver changes to the same automatically.
3. ID indicators 4 colours - red, green, blue and purple refer to 4 different channels.

### LED Indicator Work Situation

Battery condition	TA100 TRANSMITTER	TA100 RECEIVER
Power ON / Power level upper 30%	Power indicator ON	
Power level less 30%	Power indicator flashes slowly	
Power level less 10%	Power indicator flashes rapidly	
Power level less 5%	Power indicator flashes in 5 seconds, and automatically turns off	
Pairing	Orange light flashes	
Paired	Orange light off	
Power recharging	Green lights breath	
Recharging finished	Green lights On	

#### ▲Reminder:

1. Do not use the transmitter or the receiver when recharging.
2. Receiver turns Off automatically in 30 minutes in case no signal connected from Transmitter.

### SPECIFICATIONS

	TA100 TRANSMITTER	TA100 RECEIVER
Power	Rechargeable 3.7V/450mAh Li battery	Rechargeable 3.7V/360mAh Li battery
Audio interface	6.35mm gauge mono audio plug, 120° rotatable	6.35mm gauge mono audio plug, 120° rotatable
Channel	4 channels	
Frequency	5.729~5.820GHz	
Transmission power	> 7dBm	--
Receiver sensitivity	--	< -81dBm
Signal noise ratio	140dB	
Sound quality	24bt 48KHz	
Delay	5.6ms	
Distortion	-100dB	
Max. input signal amplitude	500mV	--
Max. transmission distance	35m (no obstacles)	
Work hour after full recharged	4H	
Recharging time	< 2H	

### OTHER SPECS

#### WEIGHT & DIMENSION

TA100 Transmitter  
Weight : 37g Dimension : 83×35×28mm  
TA100 Receiver  
Weight : 37g Dimension : 83×35×28mm

#### PACKAGE LIST

Transmitter x1, Receiver x 1,  
Cloth bag x1, Manual x1  
USB cable x 1

### 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.

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](http://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.

#### 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.

#### Protect your hearing:



- 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.

#### Protect your hearing:



- 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.

#### Protect your hearing:



- 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>

## 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 replacement 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.



MADE IN CHINA



Henan Eshow Electronic Commerce Co., Ltd  
Add: 7/F, Sanjiang Building, No.170 Nanyang Road, Huji District, Zhengzhou, Henan, China  
EU Importer: Germany Retevis Technology GmbH  
Address: Uetzenacker 29, 38176 wendenburg  
Facebook: facebook.com/RetekeSSWirelessSystem  
E-mail: support@retekeSS.com  
Web: www.retekeSS.com