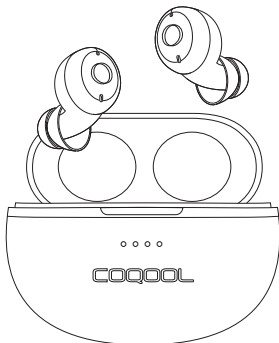


USER MANUAL

TC1600-11J



Thank you very much for choosing our TC1600-11J hearing aid.
To have a great experience, please read this manual carefully before use.
If you have any problem during wearing,
please contact us mekocharlie123@gmail.com , we will help you asap.

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1- PRODUCT INTRODUCTION

1.1 Product Parameters

Product Name	In-ear Hearing Aid
Model	TC1600-11J
Scope Of Application	Experience distribution, compensatory hearing for patients with air-induced hearing loss
Product Structure	The product consists of microphone, signal processor amplifier circuit, receiver, battery, housing and embedded software (version V1.0)
Hearing Aids Size	0.58 x 0.9 x 0.98 inch
Charging Case Size	2.48 x 1.1 x 1.96 inch

1.2 Product Performance Parameters

	In-ear Hearing Aid	TC1600-11J
Output Sound Pressure Value	Maximum (dB)	$\leq 110\text{dB} \pm 4\text{dB}$
	High Frequency Mean(dB)	$103 \pm 4\text{dB SPL}$
Maximum Noise Gain at Full Range(dB)		$28 \pm 3\text{dB}$
Full Range Sound Gain (average high frequency)(dB)		$26 \pm 3\text{dB}$
Frequency Response Range		$\leq 300\text{ Hz} \sim \geq 5500\text{ Hz}$
Working Time		5-6h (25h - Include the Charging box)
Charging Time		2h
Battery Capacity		Earphone: 35mAh Charging Case: 420mAh
Charging Base Charging Cycle Time		4 times
Input Voltage / Current		5V / 1A

* Specification data are based on laboratory test result.

2- PRODUCT DIAGRAM

2.1 Charging Case Diagram



- ① Indicator Light
- ② Type-C Port
- ③ Program Button

01. Short press the button

Display the battery level of the charging compartment
(not applicable when charging)

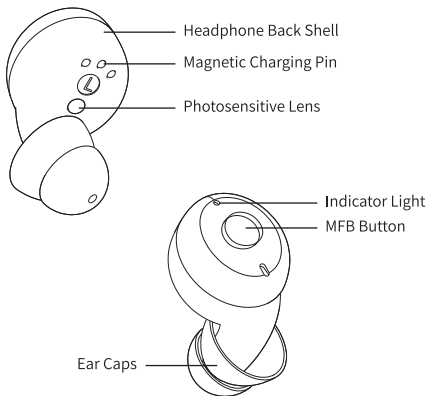
02. Press and hold for 5s when the cover is opened

Restore the factory settings and make the two earphones in
the compartment team up

03. Double-click the button when the cover is closed

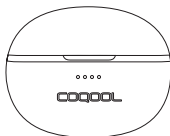
Turn on/off the UV lamp

2.1 Hearing Aids Diagram



⚠ Remove the insulation sticker before use.

3- PRODUCT LIST



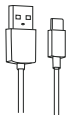
Recharging Case*1



Earphone*2



Ear Cap *3 (S,M ,L)



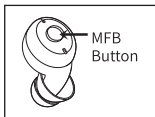
Type-C Cable*1

* The specific product accessories shall be subject to the actual situation.

4- OPERATION GUIDE

4.1 Turn on / off

The earbuds turn on automatically when it is taken out of the charging case and turn off automatically when they are put into the charging case. Long press the MFB button of the earbuds for 3s to turn on manually, and long press the button for 6s to turn off manually.

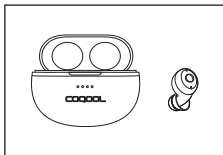


4.2 Wearing

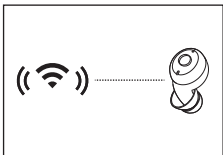
1. Choose a ear cap with suitable size to fit over the ear canal;
2. Hold the earphone with your indexer and thumb and push the head side of the eardrum into the ear canal;
3. Gently pull the earlobe down and push the earphone to the best position with your index finger.



4.3 Wireless Pairing



Take the earbud out of the charging case and wear them.



Turn on your phone's Bt search device.



⚠ When the earbud is paired with the mobile phone for the first time, there is a prompt tone of "pair". Bt will automatically connect the next time you pair near the device.



Select "TC1600-11J" for pairing

4.4 Hearing Aid Mode

It will automatically enter the Hearing Aid mode, Click the MFB button to increase and decrease the hearing aid volume in a cycle. click the button 2 times to switch to the next Hearing Aid program, The program selection is shown in the following table:

Program Mode	Legend	Prompt
Program 1	Indoor	Indoor
Program 2	Outdoor	Outdoor
Program 3	Strong Noise Reduction	The Noise Reduction

4.5 Telephone Mode (Bluetooth is paired)

- **Answer A Call:** When a call comes in, click the MFB button on the headset
- **Rejecting A Call:** During a call, click the MFB button on the headset
- **Hang Up A Call:** When a call comes in, press and hold the MFB button for 3 seconds on the headset and release it

4.6 Music Mode

When Bluetooth is paired, please adjust the music volume through the mobile phone music APP.

4.7 Bluetooth Mode

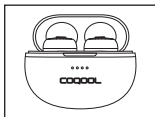
The hearing aid function and the Bluetooth function can be used at the same time, the two programs are automatically switched, and there is no need to turn off the Bluetooth when using the hearing aid function.

4.8 Restore Factory Settings

Turn off and then long press the power button for 8 S, When hear "du" twice, and both the blue and green indicator lightflash 1 times, it indicates that the earbuds is restored to factory settings successfully.

5- CHARGING THE HEARING AID

1. If the hearing aid indicator is steady white, the hearing aid is charging.
2. The hearing amplifiers have been full-charged if the indicator is green.
3. It takes about 1.5 hours to charge the hearing amplifier fully.



Status	Legend	Headphone Indicator Light
Charging	White	White Light Is Always On
Full Charged	Green	White Light Off, Green Light Off After 60 S

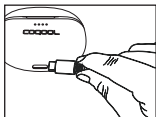
⚠ Regularly clean and wipe the charging contacts of headphones and charging case.

When the headset is low power, you will hear the "low power" prompt tone automatically when wearing it. It can be used for at least half an hour.

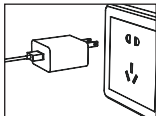
After charging for 15 minutes, it can be used for another 2 hours.

6- CHARGING THE CHARGING CASE

1. Insert one end of the small head of the data cable into the charging interface on the charging box and the other end into the adapter.



2. Connect the adapter to the power supply:
Charging: green indicator light on,
Full-charged: white indicator light on



3. The fully charged case can charge the earbuds 4 times.

Status	Legend	Indicator Light
Charging	White	White Light Flashing
Full Charged	White	All White Lights are on

 The specific product accessories are subject to the actual situation. If you have any questions, please contact the customer service in time.

7- PROBLEM AND SOLUTION

When problems occur in the use of your equipment, please refer to the following table for simple treatment:

If the problem persists, please contact us for advice and assistance.

7.1 Hearing Aids Troubleshooting Guide

Problem	Possible Reason	Solution
No Sound	Volume too low	Increase volume
	Hearing aids are out of power	Charge the hearing aids until the light turns white
	The microphone is blocked	Clear debris from the mic hole
	The tips of the earmuffs are clogged	Use the cleaning brush to remove debris from the ear cups area
	Battery fully discharged	Connect the hearing aids to the charging case for charging
Low/Weak/Indistinct Voice	Low Power	Put the hearing aids in the charging case for at least 2 hours
	Volume too low	Increase volume
	Ear cups are too loose	Replace ear cups with the correct size
	Earwax on ear cups	Clean the ear cups with a cleaning tool or rubbing alcohol
When the hearing aids light is off	Poor contact between hearing aids and charging case	Reinsert the hearing aids into the charging case
	The hearing aids is not inserted correctly into the charging case	Insert the hearing aids correctly into the charging case

Hearing amplifier in charging insert	The charging case is not connected to a power source	Connect the charging case to an external power source
	Battery fully discharged	Wait 5 hours after putting the hearing amplifier in the charging case, regardless of the LED performance
Hearing aids light is dim or dimmed	Battery fully discharged	Connect the USB cable to the charging case
	Dirty charging contacts	Cleaning the contacts of hearing aids and chargers

7.2 Charging Case Fault Self-Check Table

Problem	Possible Reason	Solution
The speaker in the charging case beeps	Charger battery dead	Make sure the USB cable connected to the charging case is plugged into a power source. Case power status light will show a solid blue to indicate charging
	Wrong direction	Reposition your hearing aids in their slots, making sure the contacts touch the charging points in the case.
Not Charged	The hearing aids is not inserted correctly into the charging case	Insert the hearing aids correctly into the charging case
Put the hearing aids into the charging case, it not charge after putting it in	Poor contact between hearing aids and charging case	Reinsert the hearing aids into the charging case
Charging case light is off	Hearing aids Reverse	Check that the hearing aids is reversed and place the hearing amplifier in the correct direction

8- THE NAME AND CONTENT OF THE HAZARDOUS SUBSTANCE IN THE PRODUCT

	Part name			
Harmful Substances	Circuit board (including LCD)	Battery	Shell	Packaging
Lead (Pb)	☐	☐	☐	☐
Cadmium (Cd)	☐	☐	☐	☐
Pump (Hg)	☐	☐	☐	☐
Hexavalent Chromium(Cr6+)	☐	☐	☐	☐
Polybrominated Biphenyls (PBB)	☐	☐	☐	☐
Polybrominated Diphenylethers (PBDE)	☐	☐	☐	☐

This form is based on SJ/T11364.

- ☐ Indicates that the content of the hazardous substance in all homogeneous materials of the part is below the limit requirement specified in GB/T 26572.
- ☒ It Indicates that the hazardous substance exceeds the limit requirements specified in GB/T 26572 in at least one homogeneous material of the part.

Note: The label of the product (as shown in the right picture) meets the requirements of china SJ/ T11 3 6 4 , and indicates Green service life (Under normal use).





The "hazardous substances" shown in this table will not cause any harm to human body and the environment under the normal use of the product.



The "hazardous substances" and the components present in the form provide information to consumers and recycling practitioners about the presence of the relevant substances and facilitate the proper disposal of products when they are discarded.



"Waste Electrical appliances and electronic Recycling and Treatment Regulations" suggestive description.

The company advocates environmental protection and low carbon consumption experience, Suggestions have of the company products user when no longer need this product recycling and disposal of waste electric and electronic products shall keep countries related laws and regulations and hand it over to the local manufacturers with recycling qualification approved by the state for recycling, reduce resource waste, protect the earth's natural environment.

9- ENVIRONMENTAL CONDITIONS

9.1 Normal Working Conditions

The environment Temperature	10°C - 40°C
Relative Humidity	≤80%
Atmospheric Pressure	86Kpa - 106Kpa
Power Supply	1.2V - 3.7V

9.2 Transportation and Storage Conditions

Transport

The packaged hearing aid can be transported by general cargo transportation, but should be protected from exposure, rain, snow, direct contact or mechanical collision. Transportation environment conditions should be: temperature 0- 38°C , relative humidity not more than 80%.

Storage

If the hearing aid needs to be stored for a long time, it should be stored in the warehouse which with the ambient temperature between 0- 38°C, relative humidity is not more than 80%, has ventilation conditions and no corrosive odors that can affect the performance of hearing aids.

10- ELECTRICAL SAFETY INSTRUCTIONS

10.1 Hearing Aid Class

Device class	Internal power supply
Type of the device	Type B
Equipment operation mode	continuous operation
The device is not an AP or APG	

10.2 Hearing Aid Electromagnetic Compatibility

High-power devices can have electromagnetic interference with hearing AIDS, such as pacemakers. When using similar equipment, Please consult a doctor.

The electromagnetic compatibility of hearing AIDS complies with GB/T25102.13-2010 Electroacoustic hearing AIDS No

Part 13: Electromagnetic Compatibility (EMC) and has passed the EMC test. When the hearing aid complies with the hearing aid immunity specified in GB/T25102.13, the field strength of the RF test signal

	By stander compatibility When in the following field intensity, $IRIL \leq 55dB$ field intensity is expressed as V/m				
Frequency range	0.08 ~ 0.8	0.8 ~ 0.96	0.96 ~ 1.4	1.4 ~ 2.0	2.0 ~ 3.0
Microphone mode	/	3	/	2	/
Pick up coil mode	/	/	/	/	/
Point to microphone mode	○	○	○	○	○

10.3 This section describes key components

The manufacturer undertakes to provide technical data, such as circuit diagram and component list, to the manufacturer if the relevant conditions are met. Testing technicians.

Hearing aid key components include: microphone, receiver, movement.

11- CONTRAINDICATIONS AND PRECAUTIONS

Theoretically, any person with hearing loss may become a hearing aid user. Currently, there is no comprehensive quantitative indicator to measure whether the hearing loss person needs a hearing aid. However, medical attention should be considered first in the following cases, and then the doctor or the fitter should decide whether the hearing aid can be matched according to the needs:

1. Congenital atresia of the external ear or deformity of the external auditory canal, a large number of foreign bodies in the external auditory canal.
2. Sudden deafness, especially within 3 months.
3. Rapid progressive hearing loss.
4. Hearing loss is accompanied by vertigo, headache or earache.
5. Conductive deafness of any cause (external ear, middle ear inflammation, discharge, cerumen or foreign body embolism, etc.) .
6. Patients with acute external otitis, tympanitis, chronic suppurative otitis media (in the purulent infection stage), acute purulent otitis media should not wear this hearing aid.

 A small number of users wearing hearing aids for the first time may have ear blocked, their voice is too loud and other feelings, generally, this situation will be gradually adapted within three months.

12- SAFETY AND PRECAUTIONS

1. The hearing aid should be placed in the charging base when not in use to avoid being lost or damaged.
2. Do not place the hearing aid in an environment with high temperature (such as heat source, exposed re source) and high humidity. Otherwise, the device may fail, catch fire, or explode.
3. Do not immerse the hearing aid in any liquid, the hearing aid should be removed before swimming or washing hair, bath; After swimming or bathing, hearing aids should not be worn until the ear canal is dry.
4. The surface of the hearing aid should be kept clean, and earwax should be cleaned regularly from the sound mouth of the hearing aid. If there is redness or swelling in the area where the skin is in contact with the headset, stop using it immediately and consult a doctor.
5. Do not disassemble the hearing aid by yourself.
6. hearing aid is not resistant to seawater, acid and alkaline solvents, chemical reagents and other corrosive liquids.
7. The equipment and accessories may contain some small parts. Please keep the equipment and accessories out of reach of children.

8. If the product is not used for a long time, please turn it off after fully charging, and put it in a cool and dry place.
9. please charge the device with the attached charging cable, when charging the device with a power adapter, the adapter should meets the corresponding safety standard or certified by CCC.
10. Please do not discard the discarded hearing aids at will. If you need to discard them, please dispose of them in accordance with the relevant national regulations.

FCC COMPLIANCE STATEMENT:

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.

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.

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

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.