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Retekess TE201 Hearing Aids User Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Retekess TE201 Hearing Aids. Please read this manual thoroughly before using the device and retain it for future reference.

2. SAFETY INFORMATION

Please strictly follow the instructions provided in this manual to ensure safe operation and prevent damage to the device or personal injury. Consult a healthcare professional if you have any concerns about your hearing or the use of this device.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Retekess TE201 Hearing Aids (1 pair)
- Charging Case (1)
- Ear Tips (multiple sizes)
- Charging Cable (1)
- Storage Bag (1)
- Multi-function Brush (1)
- Instruction Manual (1)

Package Includes



Charging base*1



Ear tips*1



Storage case*1



Cleaning tools*1



User manual*1



Multi-size ear tips:
3 Pairs



Charging cable*1



Anti-lost lanyard*1

Image: The package includes two hearing aids, a charging case, a charging cable, a storage bag, cleaning tools, a user manual, and multiple pairs of ear tips.

4. PRODUCT OVERVIEW

The Retekess TE201 Hearing Aids feature a discreet, behind-the-ear (RIC) design. Each hearing aid is equipped with controls for volume and mode selection, and they are charged via a dedicated charging case with an LED display.

Product Details



Image: Detailed view of the hearing aid and charging case, labeling Microphone 1, Microphone 2, Mode Key, Volume +/-, Ear Tube, Ear Tip, Magnetic Charging Connection Point, Left/Right Charging Port, and Digital Display Screen.

Video: An introduction to the related parts of the Retekess TE201 Hearing Aids, demonstrating the location of buttons and charging points.

5. SETUP AND FIRST USE

5.1 Initial Charging

Before first use, ensure the hearing aids are fully charged. Place them into the charging case. The LED display on the case will show the battery level. A full charge typically takes 1-2 hours and provides up to 8 hours of runtime on a single charge, with the case offering 4 additional charges for a total of up to 40 hours.

Lithium Battery Charging Base



Can be charged 4 times



LED display shows power level



Magnetic charging base design



Battery capacity: 500mAh



Long standby time: 40 hours

Image: The Retekess TE201 Hearing Aids in their magnetic charging base, displaying '100%' charge. The image highlights features like 4 additional charges, LED display, magnetic charging, 500mAh battery capacity, and 40 hours total standby time.

5.2 Ear Tip Selection and Replacement

Select the ear tips that provide the most comfortable and secure fit for your ear canal. The package includes three pairs (large/medium/small) of soft silicone ear tips to accommodate different ear shapes and minimize feedback whistling.

Video: Demonstrates how to correctly replace the earplugs (ear tips) of the Retekess TE201 Hearing Aids.

5.3 Wearing the Hearing Aids

The hearing aids are designed for a lightweight, behind-the-ear (RIC) fit. Ensure you wear the correct aid for each ear (L for left, R for right). When removed from the charging case, the hearing aids will automatically power on within 5 seconds. Wear them correctly within this timeframe to prevent whistling.



Image: A visual guide demonstrating the steps to correctly wear the hearing aids, including removing from the charging dock, choosing ear tips, distinguishing left/right, charging, adjusting volume, and selecting modes.

Automatic Power On within 5S

Correct wearing to avoid howling in 5s

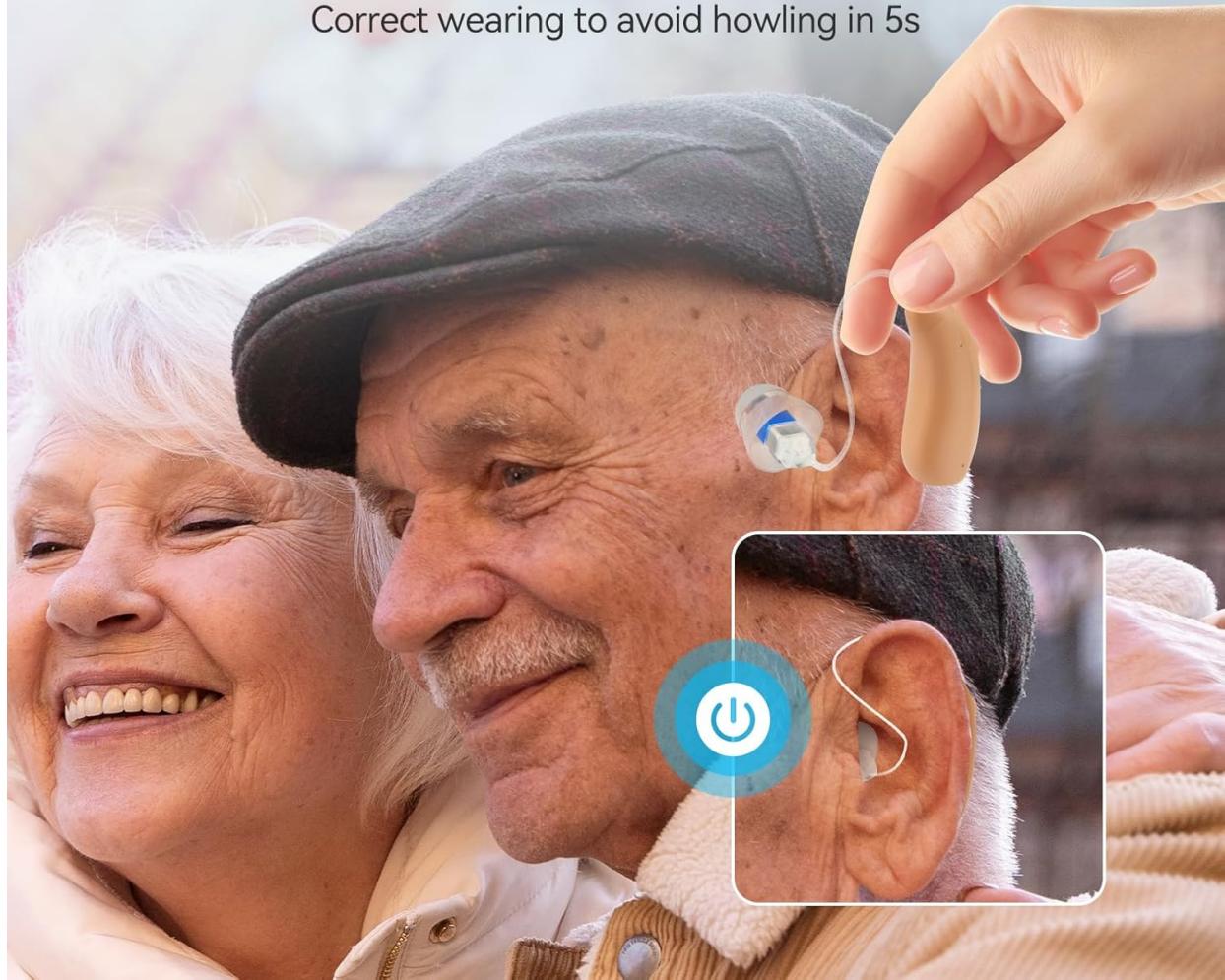


Image: Illustration of the hearing aid automatically powering on within 5 seconds when removed from the charging case, emphasizing correct wearing to avoid howling.

6. OPERATING INSTRUCTIONS

6.1 Volume Adjustment

The TE201 offers six volume levels. Use the '+' and '-' buttons on the hearing aid to adjust the volume to a comfortable level. The default level is 4.

- Volume 1 (DI DI DI Mini)
- Volume 2 (DI-Short drip)
- Volume 3 (DI-Short drip)
- Volume 4 (DI-Short drip)
- Volume 5 (DI-Short drip)
- Volume 6 (DI-Long drip Max)

Video: A demonstration of how to adjust the volume on the Retekess TE201 Hearing Aids using the dedicated buttons.

6.2 Mode Selection

The hearing aids feature four distinct modes to optimize your listening experience in various environments. Press the 'M' button to cycle through the modes:

- **Family Mode (1 beep):** Enhances conversation clarity, making communication easier in quiet settings.
- **Restaurant Mode (2 beeps):** Suppresses background noise and focuses on the voice of the person in front of you.
- **Outdoor Mode (3 beeps):** Balances ambient sound to ensure safe and comfortable travel.
- **Movie Mode (4 beeps):** Enhances audio signals for an immersive audio-visual experience.

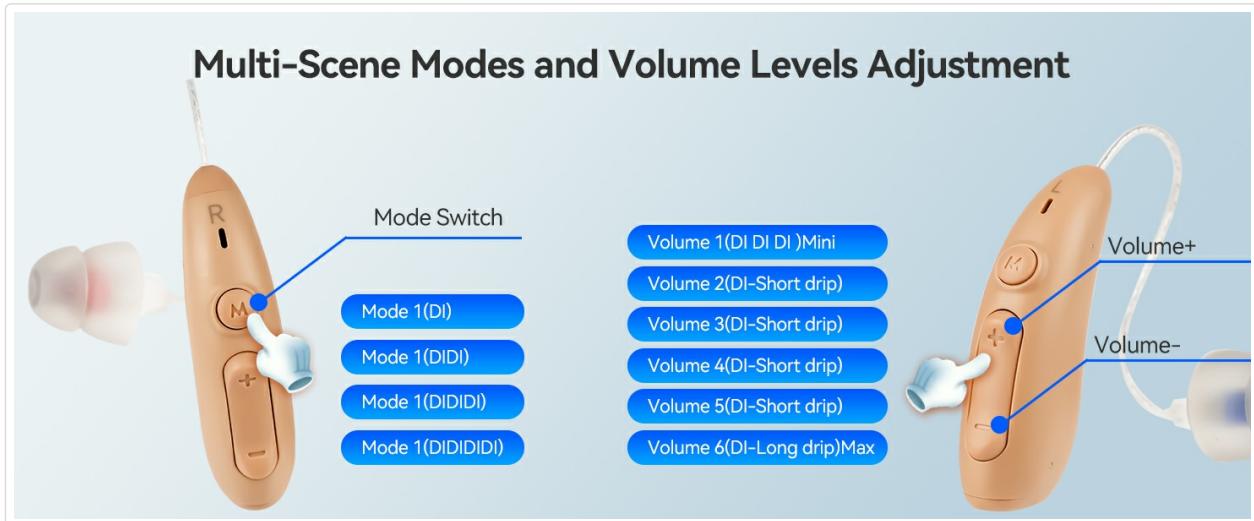


Image: A visual representation of the mode switch and volume controls, detailing the four modes (Mode 1-4) and six volume levels with corresponding sound indicators.

Video: Explains and demonstrates the four different modes of adjustment available on the Retekess TE201 Hearing Aids.

6.3 Gradual Adaptation

Adapting to hearing aids takes time and patience. Follow these stages for optimal adjustment:

1. **Phase 1: Select the Perfect Fit.** Try various ear tip sizes to ensure comfort and prevent whistling.
2. **Phase 2: Wear for 1-3 Hours Daily.** For the first two weeks, wear them in a quiet environment at home to identify sounds.
3. **Phase 3: Wear for 3-6 Hours Daily.** From weeks 3-4, engage in TV viewing and conversations to adapt.
4. **Phase 4: Wear All Day (Except for Sleep and Showers).** By week 5, begin to go outdoors to enhance your hearing experience in various settings.

16-Channel Digital Chip

The TE201 features a 16-channel digital chip for precise sound adjustment, offering a personalized hearing experience.



Image: A visual guide outlining the four phases of getting used to the TE201 Hearing Amplifier, emphasizing gradual adaptation for comfort and effectiveness.

7. KEY FEATURES

- 16-Channel Processing Technology:** The hearing aid employs 16-channel WDRC (Wide Dynamic Range Compression) to intelligently amplify soft sounds while compressing loud noises, ensuring clear sound amplification without pops or noise. This prevents secondary damage to hearing.
- Intelligent Noise Reduction:** Noise reduction technology filters background noise, enhancing speech clarity and recognition. This feature is suitable for individuals with moderate hearing loss (hearing loss range: 35-50 dB).

Intelligent Noise Reduction

45±5 dB Hearing Aid Gain Effect
16-channel intelligent noise reduction chip



Image: Illustrates the intelligent noise reduction feature with a 16-channel intelligent noise reduction chip, showing its effectiveness for moderate hearing loss (35-50 dB).

Long-lasting Battery Life

Say Goodbye to the Hassle of Constant Charging

	Charging: 1-2 hours		Up to 8 hours runtime on a single charge		Total runtime: 40 hours
	Provides 4 recharges		Magnetic charging base		Digital display screen



Image: Explains that noise reduction technology filters background noise, enhancing speech clarity and recognition, suitable for people with moderate hearing loss (35-50 dB).

- **45±5 dB Hearing Aid Gain Effect:** This gain effect ensures clear and natural sound, enabling users to clearly hear low-volume sounds, especially suitable for users with hearing impairment.

Hearing Loss Classification and Guide to Adult Hearing Experience

Hearing loss classification (average air conduction hearing loss)		Most adults experience hearing in quiet environments	Most adults' hearing experience in noisy environments
Normal	✓ < 20dB HL	No problem hearing voices	Almost no problem hearing sounds
Mild	✓ 20~ < 35dB HL	No problem talking	May have trouble hearing conversations
Moderate	✓ 35~ < 50dB HL	May have difficulty hearing conversations	Difficulties in conversations
Severe	50~ < 80dB HL	Difficulty in conversation, most of the conversation was inaudible	Most conversations are difficult
Extremely severe	80~ < 95dB HL	Extreme difficulty in hearing voices	Can't hear the conversation.

Image: Explains the 45 ± 5 dB gain effect, which ensures clear and natural sound, allowing users to hear low-volume sounds, especially beneficial for those with hearing impairment.

- Long-lasting Battery Life:** Rechargeable with a Type-C interface charging case that provides 4 additional charges, bringing the total battery life to up to 40 hours. The LED display shows the remaining power.

Specifications

Channels	16-channel WDRC	Saturation sound pressure level (OSPL90)	MAX: 110dB
Signal processing	Digital signal processing	Maximum output power (OSPL90)	$\leq 115\text{dB} + 3\text{dB}$
Conduction method	Air conduction	Equivalent input noise level	$\leq 20\text{dB} \pm 3\text{dB}$
Microphone type	360° omnidirectional microphone	Total harmonic distortion	<5%
Dual-microphone pickup	Available	Response frequency range (not less than)	300Hz - 5000Hz
Wide dynamic range compression (WDRC)	Available	Operating temperature	0°C - 40°C



Image: Highlights the long-lasting battery life with 1-2 hours charging time, up to 8 hours runtime on a single charge, 4 additional charges from the case, and a total runtime of 40 hours, all displayed on a digital screen.

- Comfortable and Discreet Fit:** Features a lightweight behind-the-ear (RIC) design, weighing only 4 grams per ear. The compact design matches skin tones and sits low behind the ear for privacy and comfort.
- Safe and Reliable:** These OTC hearing aids have been audited by professional institutions and use medical-grade materials. They offer hearing loss compensation up to 50dB, suitable for moderate hearing loss.
- Memory Function:** The device retains your last used settings.
- Dual-Microphone Pickup:** Enhances sound capture.
- Low-Battery Alarm:** Provides timely alerts for recharging.
- IPX2 Protection:** Offers protection against dripping water.

8. MAINTENANCE

To ensure optimal performance and longevity of your Retekess TE201 Hearing Aids, regular cleaning is recommended. Use the provided multi-function brush to gently clean the ear tips and the body of the hearing

aids. Store the hearing aids in their charging case or the provided storage bag when not in use to protect them from dust and damage.

9. TROUBLESHOOTING

If you encounter any issues with your Retekess TE201 Hearing Aids, please refer to the common problems and solutions below:

- **Whistling Sound:** If you experience whistling, ensure the ear tips are correctly sized and securely fitted in your ear canal. The automatic power-on feature within 5 seconds of removal from the charging case is designed to prevent whistling if worn promptly.
- **Sound Too Low or Too High:** Adjust the volume using the '+' and '-' buttons. Experiment with different listening modes (Family, Restaurant, Outdoor, Movie) to find the most suitable setting for your environment.
- **No Sound:** Check if the hearing aids are powered on and fully charged. Ensure they are correctly inserted into your ears.

Video: Addresses common problems encountered with the hearing aids and provides solutions for resolution.

10. SPECIFICATIONS

Feature	Specification
Channels	16-channel WDRC
Signal Processing	Digital signal processing
Conduction Method	Air conduction
Microphone Type	360° omnidirectional microphone
Dual-Microphone Pickup	Available
Wide Dynamic Range Compression (WDRC)	Available
Saturation Sound Pressure Level (OSPL90)	MAX: 110dB
Maximum Output Power (OSPL90)	≤ 115dB + 3dB
Equivalent Input Noise Level	≤ 20dB + 3dB
Total Harmonic Distortion	<5%
Response Frequency Range (not less than)	300Hz - 5000Hz
Operating Temperature	0°C - 40°C
Product Dimensions	2.1" L x 1.8" W
Item Model Number	TE201
Battery Type	1 A batteries required (included)
Battery Weight	9 Grams

10.1 Hearing Loss Classification Guide

Hearing Loss Classification (Average Air Conduction HL)	Hearing Experience in Quiet Environments	Hearing Experience in Noisy Environments
Normal (<20dB HL)	No problem hearing voices	Almost no problem hearing sounds
Mild (20~<35dB HL)	No problem talking	May have trouble hearing conversations
Moderate (35~<50dB HL)	May have difficulty hearing conversations	Difficulties in conversations
Severe (50~<80dB HL)	Difficulty in conversation, most of the conversation was inaudible	Most conversations are difficult
Extremely Severe (80~<95dB HL)	Extreme difficulty in hearing voices	Can't hear the conversation.

11. WARRANTY AND SUPPORT

Retekess stands behind the quality and performance of the TE201 Hearing Aids for your long-term satisfaction. We are committed to providing clear hearing with confidence.

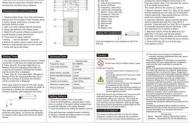
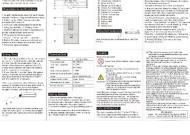
For any questions or assistance, Retekess offers professional after-sales service. Our team provides remote guidance to help you learn how to use your hearing aid, optimize its performance, and ensure the best hearing experience at all times.



Image: A team of customer service representatives ready to provide professional after-sales support and guidance.

Related Documents - TE201

	<p>Retekess TE201 User Manual: Your Guide to Enhanced Hearing</p> <p>Discover the Retekess TE201 hearing amplifier with this user manual. Learn about its features, operation, specifications, troubleshooting, and safety guidelines for optimal audio amplification.</p>
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	<p>Retekess TA005 Wireless Headphones FAQ and Warranty Information</p> <p>Frequently asked questions about the Retekess TA005 wireless TV headphones, covering compatibility, features, battery life, and the Retekess warranty policy.</p>
	<p>Retekess V115 Portable AM/FM/SW Radio with MP3 Player - User Manual</p> <p>Comprehensive user manual for the Retekess V115 portable radio, covering features, operation, safety, troubleshooting, and specifications. Learn how to use its AM/FM/SW radio, MP3 playback, and recording functions.</p>
	<p>Retekess PR13 Portable FM Receiver User Manual - Features, Operation, and Specifications</p> <p>User manual for the Retekess PR13 Portable FM Receiver. Learn about its features, how to operate it, set the time, manage stations, and view technical specifications. Includes safety precautions and FCC compliance information.</p>
	<p>Retekess TD020 Caregiver Pager User Manual</p> <p>Comprehensive user manual for the Retekess TD020 caregiver pager, covering product features, operation instructions, specifications, safety warnings, and approved accessories.</p>
	<p>Retekess PR13 Portable FM Receiver User Manual - Features, Settings, and Specifications</p> <p>User manual for the Retekess PR13 Portable FM Receiver, detailing its features, functions, listening guide, setting time, battery installation, technical specifications, and FCC compliance.</p>