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› Retekess TC103 Wireless Microphone System User Manual

## Retekess F9643A

# Retekess TC103 Wireless Microphone System User Manual

Model: F9643A

## INTRODUCTION

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This user manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Retekess TC103 Wireless Microphone System. Please read this manual thoroughly before using the product to ensure proper function and longevity.

### What's in the Box:

- 1x Retekess TC103 receiver
- 2x Retekess TC103 Wireless microphones
- 1x Adaptor (12V 1A)
- 1x Instruction manual

# MULTI-FUNCTION DISPLAY SCREEN



Signal strength



Audio dynamics



Electronic volume



Working frequency



Figure 1: Package Contents of the Reteless TC103 Wireless Microphone System.

## PRODUCT OVERVIEW

The Reteless TC103 is a dual wireless handheld microphone system designed for various applications including meetings, parties, church events, DJ performances, weddings, and home KTV setups. It features Bluetooth 5.0 and 2.4GHz technology for low latency and broad coverage, along with advanced functions like auto-scan and automatic tuning.



Figure 2: Reteless TC103 Wireless Microphone System.

### Microphone Components:

- **Battery Compartment:** Located at the bottom of the microphone for AA batteries.
- **Frequency Window:** Displays the current operating frequency.
- **Metal Mesh:** Protective grille for the microphone capsule.
- **Pickup Hole:** Area where sound is primarily captured.
- **Power Switch:** Controls the microphone's power.



Figure 3: Key Components of the Reteless TC103 Handheld Microphone.

## SETUP

### 1. Connect the Receiver:

Connect the power adapter to the receiver and plug it into a power outlet. Attach the antennas to the receiver's designated ports.

### 2. Install Microphone Batteries:

Unscrew the bottom part of each microphone to access the battery compartment. Insert two AA batteries into each microphone, ensuring correct polarity. Replace the cover securely.

### 3. Power On:

Press the power button on the receiver and each microphone to turn them on. The display screens should illuminate.

### 4. Automatic Pairing:

The TC103 system features automatic pairing. Turn on the microphone and point its infrared port (IR) directly at the receiver's IR PORT. The system will automatically scan and pair the microphone to an available channel.

# AUTOMATIC PAIRING

Turn on the microphone, point the microphone infrared port (IR) directly at the receiver's IR PORT



Figure 4: Automatic Pairing Process.

## 5. Automatic Frequency Search and Tracking:

The system can accurately scan the surrounding environment to identify the frequency with the least interference. It also has an ACT function (lock function) to automatically search for the right frequency and lock it, preventing accidental changes.

# AUTOMATICALLY TUNE



Figure 5: Automatic Frequency Search and Channel Tracking.

## OPERATING INSTRUCTIONS

### Volume Control:

The receiver offers independent volume and channel adjustment buttons for each microphone (CH-A and CH-B). Use the "VOL+" and "VOL-" buttons to adjust the output volume of each microphone.

### Bluetooth Connectivity:

The Reteless TC103 supports Bluetooth 5.0 for seamless connection to your mobile devices. This allows you to stream music or audio directly to the receiver.

Your browser does not support the video tag.

Video 1: Instructions on how to pair the Reteless TC103 receiver with a mobile phone via Bluetooth.

### Channel Lock Function:

To prevent accidental frequency changes, the receiver has a channel lock function. Long press the "Up" and "Down" keys

simultaneously for the respective channel to lock or unlock it. The display will indicate the lock status.

### Automatic Mute:

When the handheld microphone is placed down, it automatically enters a sleep mode and mutes, conserving battery and preventing unwanted noise.

### Real-time Battery Display:

The microphone and receiver displays show the real-time battery power, reminding you to charge or replace batteries when needed.

### Noise Filtering:

The handheld microphone is designed to pick up sound sources directly in front of it, effectively filtering out environmental noise for clearer audio.

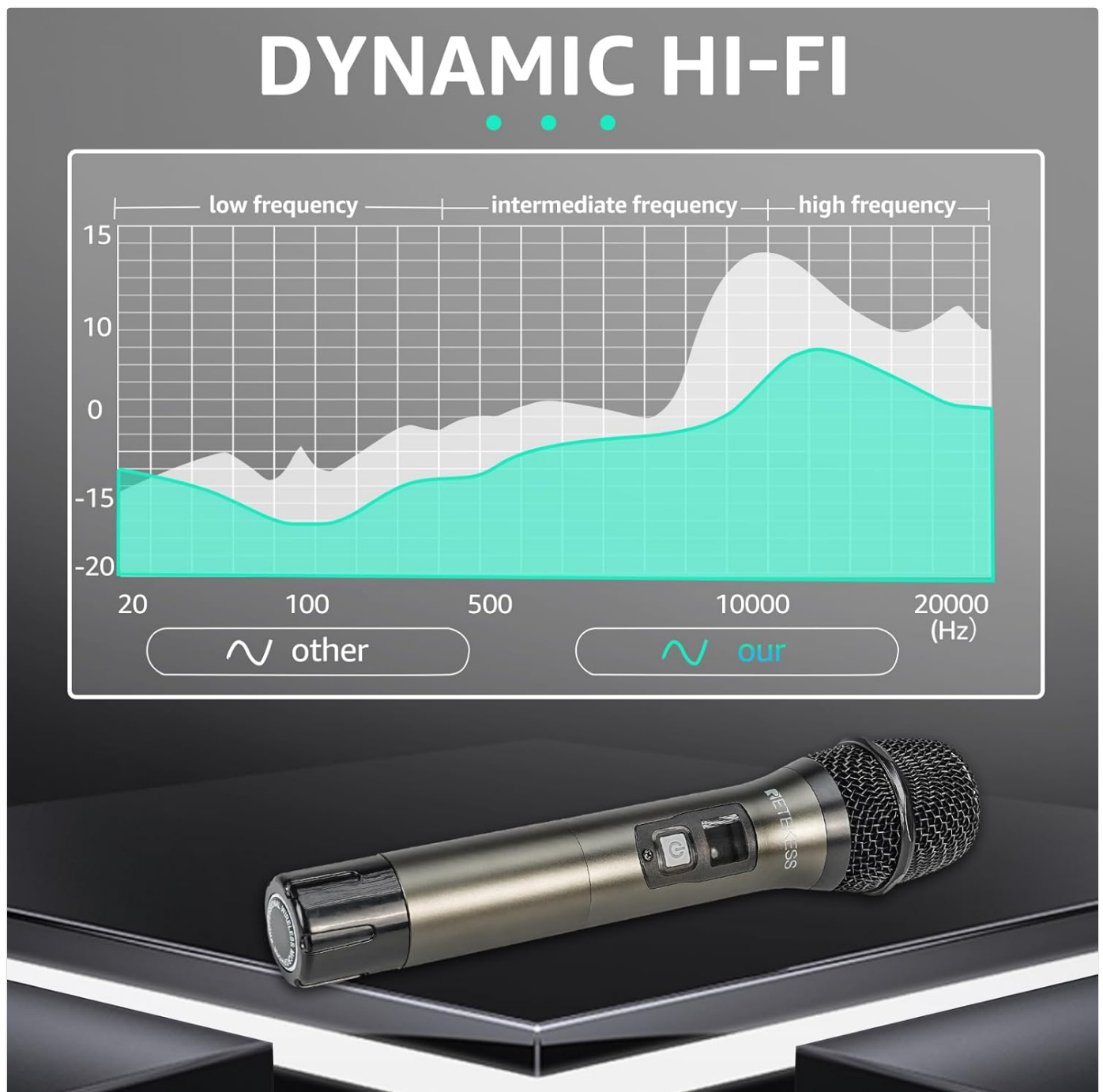


Figure 6: Dynamic Hi-Fi Sound Quality.



Figure 7: Multi-function Display Screen.

## MAINTENANCE

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- **Cleaning:**

Wipe the receiver and microphones with a soft, dry cloth. Do not use abrasive cleaners or solvents. For the microphone grille, a soft brush can be used to remove debris.

- **Battery Care:**

Remove batteries from the microphones if they will not be used for an extended period to prevent leakage. Use high-quality AA batteries for optimal performance.

- **Storage:**

Store the system in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. Keep it in its original packaging or a protective case when not in use.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
No sound from microphone	Microphone not powered on; low batteries; not paired; receiver volume too low.	Ensure microphone is on; replace batteries; re-pair microphone with receiver (refer to Automatic Pairing section); increase receiver volume.
Interference or poor sound quality	Other wireless devices nearby; operating too far from receiver; frequency interference.	Move away from other electronic devices; ensure line of sight to receiver; use the auto-scan function to find a clear frequency (refer to Setup section).
Bluetooth pairing issues	Bluetooth not enabled on device; incorrect device selected; receiver not in pairing mode.	Ensure Bluetooth is on and discoverable on your device; select "TC103" from the list; restart receiver and try again.
Microphone display is blank	Microphone is off; batteries are dead or incorrectly inserted.	Turn on microphone; replace batteries, ensuring correct polarity.

## SPECIFICATIONS

Feature	Detail
Model Name	F9643A
Brand	Retekess
Microphone Form Factor	Handheld
Connectivity Technology	XLR, Bluetooth 5.0, 2.4GHz
Number of Channels	2 (2x100 Frequency channels)
Frequency Range	510-560MHZ
Audio Sensitivity	94 dB
Signal-to-Noise Ratio	96 dB
Noise Level	96 dB
Polar Pattern	Unidirectional
Power Source	Battery Powered (2 AA batteries per mic)
Item Dimensions (L x W x H)	16.8 x 11.5 x 2.4 inches
Item Weight	4.54 pounds
Material	Alloy Steel
Special Features	Battery Indicator Light, Mute Function, Auto Scan, Automatic Tuning
Recommended Uses	Indoor/Outdoor
Operating Distance	Up to 295ft (90m)

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official Reteless website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

You can also visit the [Reteless Store on Amazon](#) for more information and support resources.