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› Retekess T130 Tour Guide System User Manual

## Retekess FF9443D-N9424DX2

# Retekess T130 Tour Guide System User Manual

Model: FF9443D-N9424DX2

## 1. INTRODUCTION

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The Retekess T130 Tour Guide System is a versatile wireless communication solution designed for various applications such as guided tours, simultaneous interpretation, assistive listening, and employee training. This system provides clear, high-fidelity sound transmission over a significant range, ensuring effective communication in diverse environments. It features easy setup, long battery life, and multiple channels to prevent interference.



Figure 1.1: Overview of the Reteless T130 Tour Guide System components.

## 2. PACKAGE CONTENTS

Upon unboxing, please verify that all the following items are included in your Reteless T130 Tour Guide System package:

- 2 x T130 Transmitters
- 30 x T130 Receivers
- 1 x 32-slot Charging Base
- 2 x Lavalier Microphones
- 30 x Earhook Headphones
- 2 x Wireless Headset Microphones
- 32 x Lanyards
- 32 x USB Cables
- 1 x Warranty Card

# Package Details

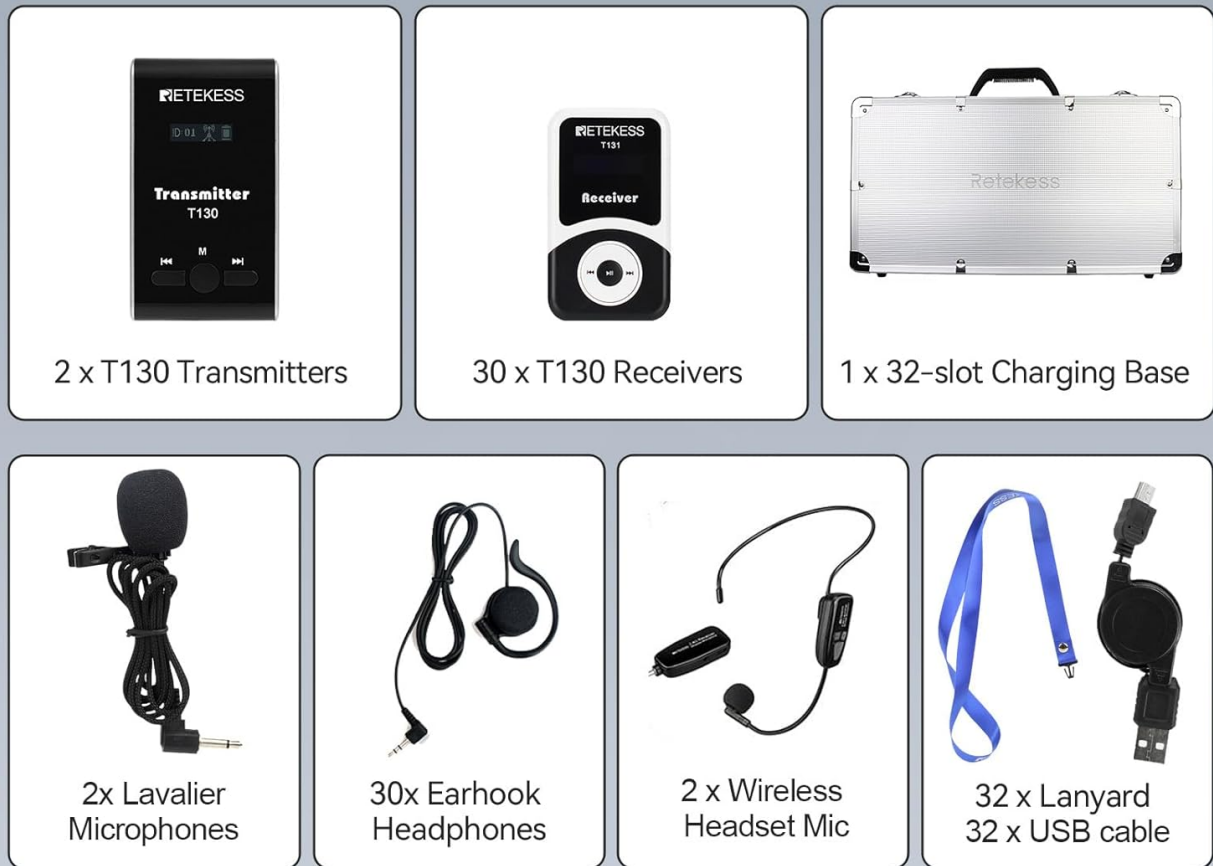


Figure 2.1: Detailed view of the Reteless T130 Tour Guide System package contents.

## 3. PRODUCT FEATURES

The Reteless T130 system incorporates several features designed for optimal performance and user convenience:

- **FCC Certified:** Ensures compliance with regulatory standards for wireless devices.
- **Quick and Easy Device Pairing:** Supports both auto and manual pairing functions. Auto-pairing allows all receivers to sync to the transmitter's channel within 5 seconds.
- **Extended Working Time:** Transmitters offer 12 hours of operation, and receivers provide 18 hours, ensuring prolonged use.
- **99 Channels:** Allows multiple groups to operate simultaneously in the same area without cross-talk or interference.
- **Dual Wireless Microphones:** Includes both a general headset microphone and a removable head-worn bracket for use as a handheld microphone, offering high signal stability and clear sound.
- **Long Working Range:** Achieves a range of 50-60 meters (164-197 feet), suitable for various indoor and outdoor environments.

- **PLL Technology:** Utilizes Phase-Locked Loop technology to automatically avoid interference, providing stable signals and clear sound quality.
- **Expandable System:** One transmitter can be paired with an unlimited number of receivers on the same channel, allowing for system expansion as needed.
- **Standard 3.5mm Jack:** Compatible with standard 3.5mm headphones or microphones, offering flexibility for personal audio preferences.
- **Portable Charging Case:** A 32-slot charge case is included for convenient storage and simultaneous charging of multiple units.

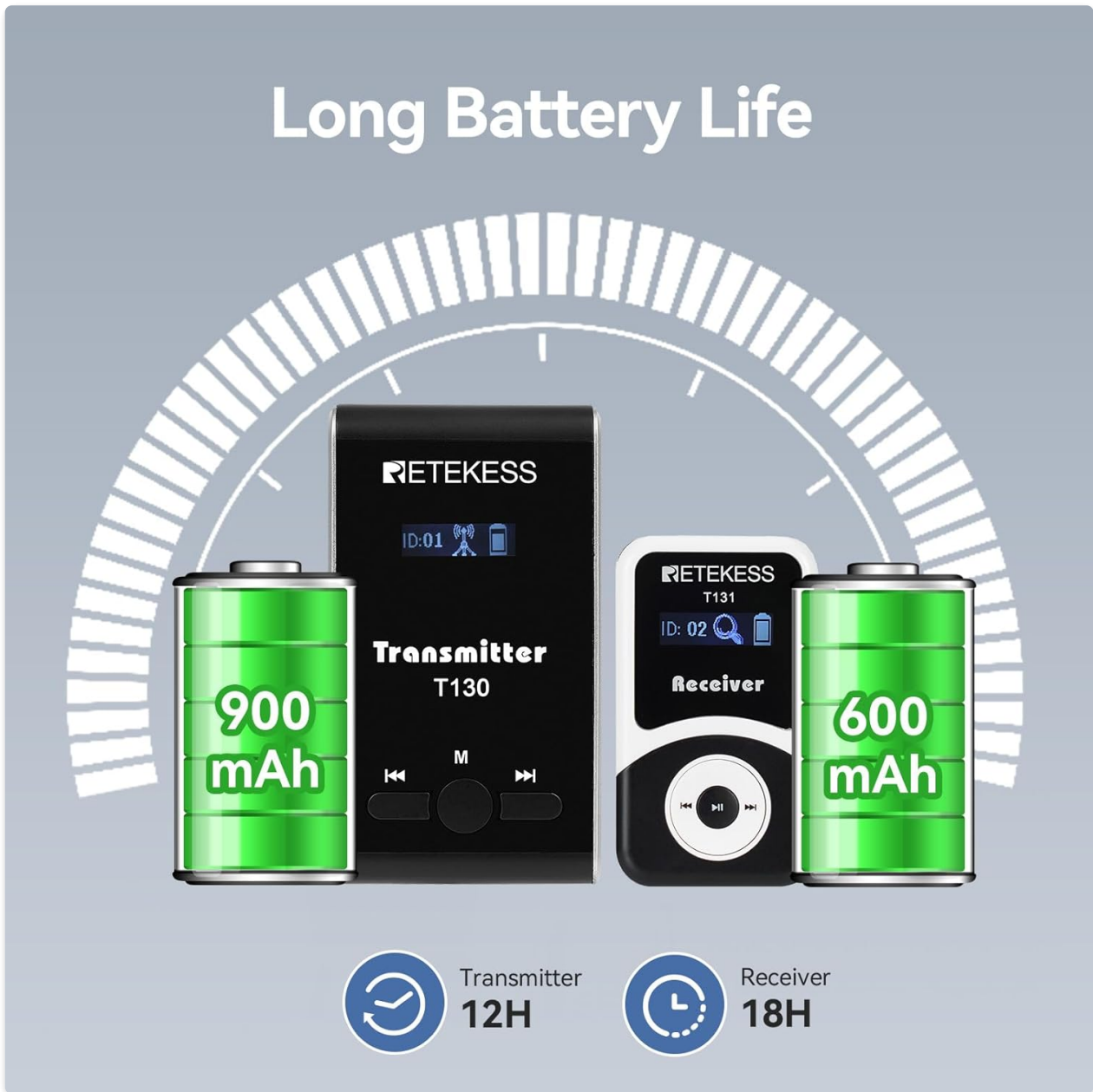


Figure 3.1: Battery life of the T130 Transmitter and Receiver.

# Long working range



Figure 3.2: Effective working range of the Reteless T130 system.

# External audio input



(Included)



**MIC = AUX**

(3.5 mm standard jack)

Figure 3.3: External audio input capability of the T130 Transmitter.

# Compact and Portable



Figure 3.4: Compact and portable design of the T130 units.

# 99 Channels

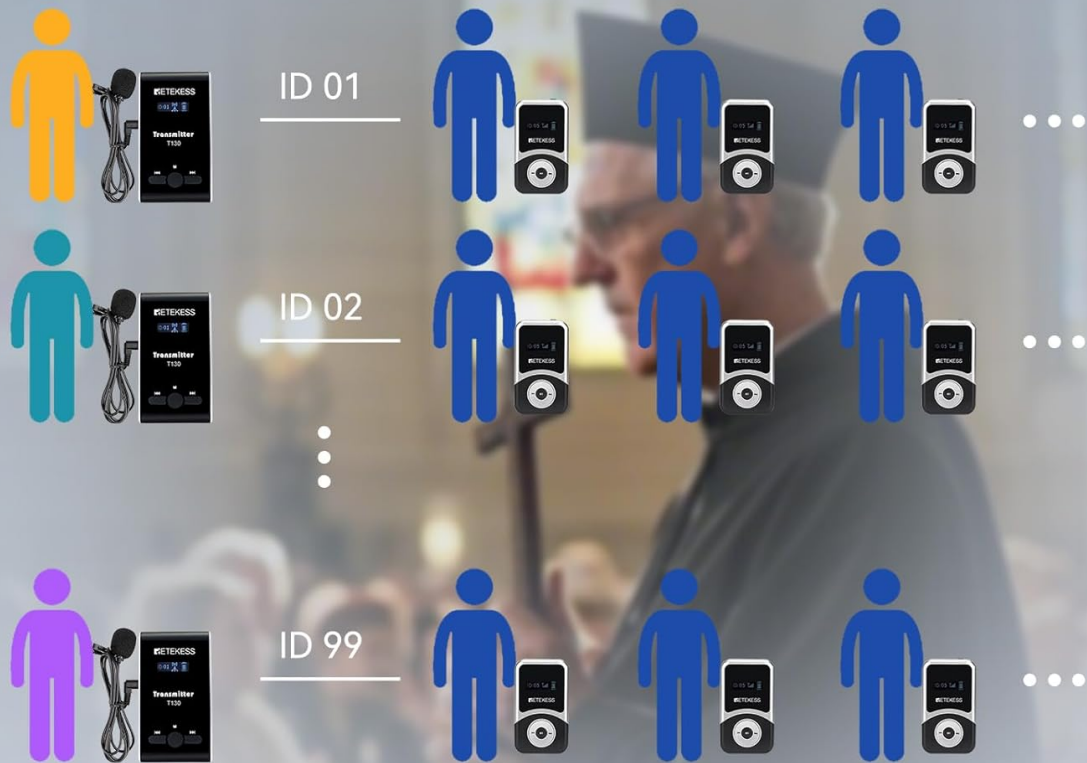


Figure 3.5: The 99-channel capability of the system.

# Clear Sound Quality



Figure 3.6: Clear sound quality achieved through PLL Technology.

## 4. SETUP

Follow these steps to set up your Retekess T130 Tour Guide System:

1. **Initial Charging:** Before first use, ensure all transmitters and receivers are fully charged. Place them into the 32-slot charging case. **Important:** Remove the white sponge from the charging slots before placing devices for charging.
2. **Power On:** Press and hold the power button on both the transmitter(s) and receiver(s) until the display illuminates.
3. **Channel Selection (Transmitter):** Use the channel selection buttons on the transmitter to choose a desired channel (from 1 to 99).
4. **Pairing Receivers:**
  - **Auto Pairing:** With the transmitter powered on and set to the desired channel, activate the auto-pairing function (refer to the device's specific button combination, usually a long press of a dedicated pairing button or a combination of volume/menu buttons). All receivers within range will automatically sync to the transmitter's channel within approximately 5 seconds.

- **Manual Pairing:** If auto-pairing is not preferred or fails, manually set each receiver to the same channel as the transmitter using its channel selection buttons.

5. **Connect Microphones/Headphones:** Plug the provided lavalier or headset microphone into the transmitter's 3.5mm MIC/AUX jack. Plug the earhook headphones into the receiver's 3.5mm headphone jack.

## Portable charging case



-  AC110-220V, 50/60Hz
-  DC 5V, 7A
-  Aluminum Alloy
-  3200g / 7lbs

**Note:** please remove the foam in the case before charging!!!

Figure 4.1: The portable charging case and important charging note.

## 5. OPERATING INSTRUCTIONS

Once set up, operating the Reteless T130 system is straightforward:

### 1. Transmitter Operation:

- Ensure the microphone is securely connected.
- Speak clearly into the microphone. The transmitter will broadcast your voice to all paired receivers on the same channel.
- Monitor the transmitter's display for battery level and channel information.
- If using external audio, connect the audio source to the transmitter's 3.5mm AUX input.

## 2. Receiver Operation:

- Ensure headphones are securely connected.
- Adjust the volume on the receiver to a comfortable listening level using the volume buttons.
- The receiver will automatically pick up audio from the transmitter on its paired channel.
- Wear the receiver around the neck using the provided lanyard for hands-free convenience.

## 3. Channel Management:

- If multiple groups are operating in the same vicinity, assign a unique channel to each group's transmitter and corresponding receivers to prevent interference.
- The 99 available channels provide ample options for large-scale deployments.

The system is ideal for applications such as:

- Tourism and guided tours
- Plant tours and industrial training
- Employee training sessions
- Language translation (requires a human translator)
- Auditory assistance in churches or performance venues
- School conferences or teaching
- Exhibition live explanations

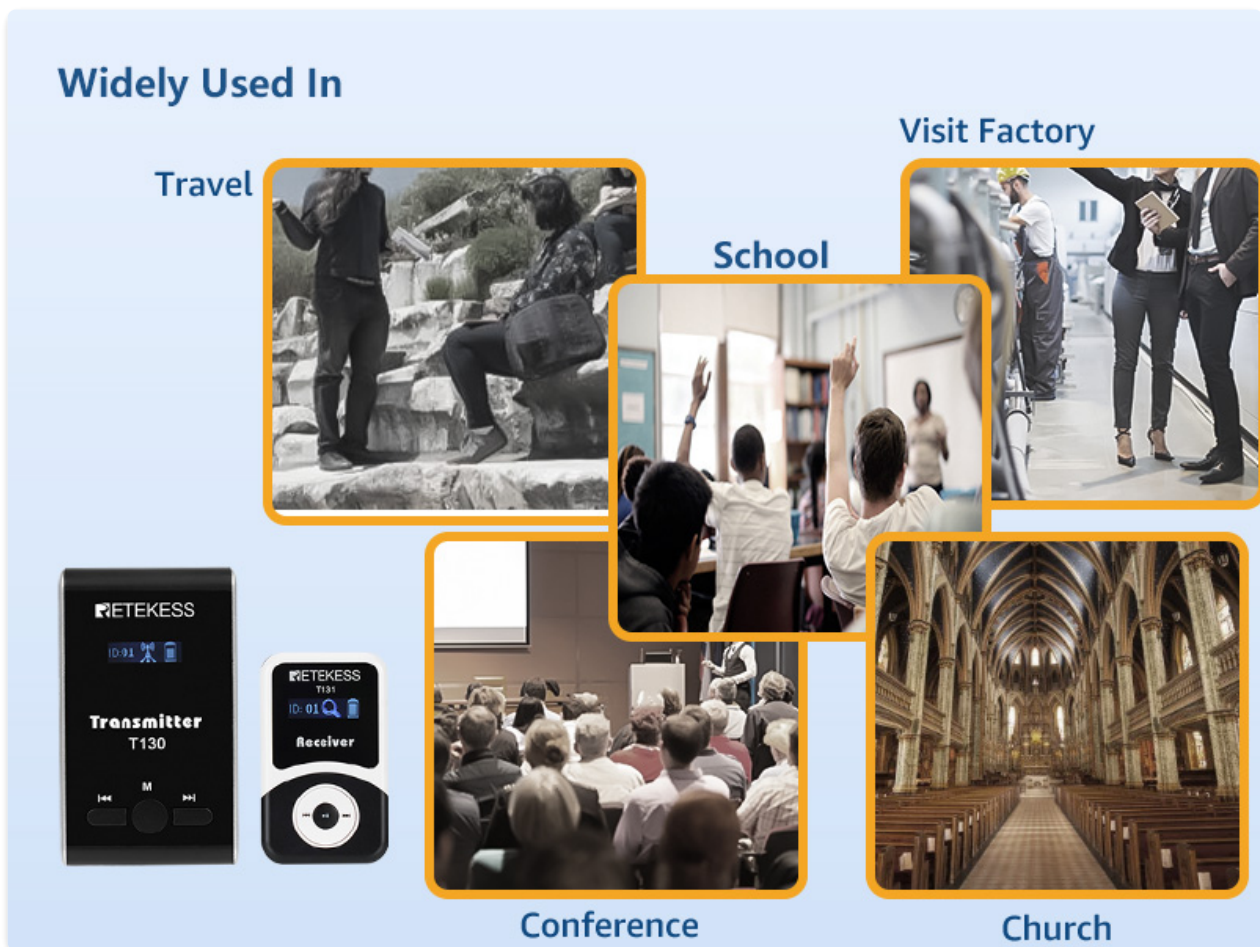


Figure 5.1: Diverse applications of the Retekess T130 Tour Guide System.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Reteless T130 system:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the transmitters, receivers, and charging case. Avoid using abrasive cleaners or solvents.
- **Charging:** Always ensure the white sponge is removed from the charging case slots before inserting devices for charging. Charge units regularly, especially after prolonged periods of non-use, to maintain battery health.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures. Utilize the provided charging case for organized and protected storage.
- **Cable Care:** Handle all cables (USB, microphone, headphone) with care to prevent damage to connectors and wiring.
- **Battery Replacement:** While the batteries are designed for long life, they can be replaced if necessary by a qualified technician.

## 7. TROUBLESHOOTING

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If you encounter issues with your Reteless T130 Tour Guide System, refer to the following common troubleshooting steps:

- **No Sound/Poor Sound Quality:**
  - Ensure both transmitter and receiver are powered on and fully charged.
  - Verify that the transmitter and receiver are set to the same channel.
  - Check microphone and headphone connections. Ensure they are fully plugged into their respective jacks.
  - Adjust volume levels on both the transmitter and receiver.
  - Move closer to the transmitter to ensure you are within the operating range.
  - Change the channel to avoid potential interference from other wireless devices.
- **Interference/Static:**
  - Switch to a different channel. The system has 99 channels to choose from.
  - Ensure there are no large metal objects or other strong electromagnetic interference sources between the transmitter and receivers.
- **Devices Not Charging:**
  - Ensure the charging case is properly connected to a power source.
  - Verify that the white sponge has been removed from the charging slots.
  - Check that the devices are correctly seated in their respective charging slots.
  - Inspect USB cables for any damage if charging individual units.
- **Short Battery Life:**
  - Ensure devices are fully charged before use.
  - Battery performance may degrade over time with extensive use.

For more detailed troubleshooting, please refer to the official [Troubleshooting Guide \(PDF\)](#).

## 8. SPECIFICATIONS

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Attribute	Value
Brand	Retekess
Model Number	FF9443D-N9424DX2
Microphone Form Factor	Microphone System
Item Dimensions (L x W x H)	19.69 x 10.43 x 5.51 inches
Power Source	Battery Powered
Number of Batteries	32 Lithium Ion batteries required (included)
Material	Plastic
Hardware Platform	Laptop, Smartphone, Tablet
Number of Channels	99
Frequency Range	195-230MHz
Frequency Response	16 KHz
Item Weight	15.75 pounds (7.16 Kilograms)
Color	Black
Connectivity Technology	Auxiliary, USB, Wireless
Connector Type	3.5 mm Jack, Micro USB
Polar Pattern	Unidirectional
Recommended Uses	Assisted listening, church translation, events for communities, exhibition live explanation, factory tours, governmental agencies, hajj, museum gallery visit, school conference or teaching, simultaneous interpreting, tourism activities
Special Features	2 wireless mic, Batteries can be replaced, Rugged case, light weight, translation equipment (needs translator) + function for assisted listening

## 9. WARRANTY AND SUPPORT

Retekess provides comprehensive customer support for the T130 Tour Guide System:

- **Warranty:** A 3-year warranty is provided for the product.

- **Returns:** The product is eligible for a 30-day no-reason return policy.
- **Customer Support:** Lifetime customer support is available. For assistance, please contact Retekeess directly or the seller, Retevis Direct, through your purchase platform.