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## Retekess TT105

# Retekess TT105 Two Way Tour Guide System

## INSTRUCTION MANUAL

## Introduction

The Retekess TT105 is a 2.4GHz two-way wireless tour guide system designed for effective communication in various environments such as tours, church translations, assistive listening, and training sessions. This system allows for two-way communication between two transmitters and one-way communication to multiple receivers, ensuring clear and stable audio transmission over a long range.

## What's in the Box

Please verify that all items are present in your package:

- 1 x Main Transmitter
- 1 x Vice Transmitter
- 10 x Receivers
- 10 x Single Earphones
- 2 x Headset Microphones
- 12 x Charging Cables
- 12 x Lanyards
- 1 x English Manual



# PACKAGE CONTENT



1 x Main transmitter



1 x Vice transmitter



10 x Receiver



10 x Single earphone



2 x Headset mic



12 x Charging cable



12 x Lanyard

The complete package contents of the Retekess TT105 system.

## Product Features

- FCC Certified:** The system is FCC certified with ID: 2AAR8TT105.
- Expandable System:** A single TT105 main transmitter can pair with numerous TT105 receivers. Note: Only one main transmitter can be paired with one vice transmitter for two-way conversation.
- One-Key Channel Synchronization:** Easily synchronize all transmitters and receivers to the same channel with a single step from the main transmitter, saving time during setup.
- 2.4GHz Wireless Transmission:** Utilizes 2.4G global public use signal for stable and private communication.
- 50 Selectable Channels:** Offers 50 channels, allowing for multiple groups or additional language speakers. An LCD screen facilitates channel selection.
- Long Working Time:** Transmitters and receivers provide 10-12 hours of continuous operation.
- Extended Operating Range:** Achieves an operating range of up to 492 feet (150 meters) in open areas, suitable for large venues.

## Setup

### Component Overview



## BUTTON DESCRIPTION



Detailed diagram of the Retekess TT105 Main Transmitter buttons and ports.



## DETAILS



Power ON/OFF

Microphone jack

(Mic port can be used as AUX port)

Side view of the Retekess TT105 Main Transmitter, showing the Power ON/OFF switch and Microphone/AUX jack.

### Connecting Headsets and Earphones

Connect the headset microphone to the transmitter's microphone jack. For receivers, insert the single earphone into the headphone jack. Ensure connections are secure.



# HEADSET MIC

Flexible Gooseneck Design

Connector  
3.5mm jack

Earphone

Long Cable

High Sensitivity Mic Head

Detailed view of the headset microphone.

## Powering On/Off

The operation for switching the transmitter and receiver on and off is the same. Locate the power switch on the side of the unit and slide it to the 'ON' or 'OFF' position.

Your browser does not support the video tag.

Video demonstrating how to use the Retekess TT105 tour guide system, including basic operations and setup.

## Operating Instructions

### Volume Adjustment

Adjust the volume on both transmitters and receivers using the 'VOL-' and 'VOL+' buttons. The main transmitter's volume range is 0-4, while the receiver's volume range is 0-9.

### Channel Adjustment and Synchronization

To adjust the channel on a transmitter, press the 'SET' key. The screen will display 'set' flashing. Then, use the volume keys to increase or decrease the channel number. To stop the FM function, press the 'CONF' button; the

'SET' display will stop flashing.

For quick synchronization of all receivers to the main transmitter's channel, long-press the 'CONF' button on the main transmitter for 3-5 seconds. The channels of all receivers will then match the transmitter's channel.

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Video tutorial on the operational procedures of the Retekess TT105, covering various functions and settings.

## Two-Way Communication

The TT105 system supports two-way communication between the main and vice transmitters, allowing for interactive discussions. Both transmitters can communicate with an unlimited number of receivers. The range for speaker-to-speaker communication is up to 80 meters, and speaker-to-visitor communication is up to 150 meters.



A worker in a warehouse, wearing a hard hat and an orange vest, is using a Retekess TT105 two-way communication system. The worker is holding a tablet and wearing a main transmitter with a microphone. Another worker in the background is wearing a receiver. The system allows for two-way communication between speakers and one-way to visitors.

**Case of 2 Transmitters and 10 Receivers**

**2.4GHz signal transmission + 492ft long range + 50 channel + One-key channel synchronization + Transmitter two-way communication**

Communication Model: Two-way communication between speakers and one-way to visitors.

Your browser does not support the video tag.

Video highlighting the two-person dialogue capability of the Retekess TT105 system.

## Maintenance

### Charging

The devices are powered by Lithium Metal batteries (included). Use the provided charging cables to recharge the units when the battery indicator shows low power. A full charge provides 10-12 hours of working time.



## SUPER BATTERY LIFE



Battery life illustration for the Retekess TT105 units.

### Cleaning and Storage

Wipe the devices with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners. Store the system in a cool, dry place away from direct sunlight and extreme temperatures.

### Troubleshooting

- No Sound:** Ensure all units are powered on, volume is adjusted, and earphones/microphones are securely connected. Check that transmitters and receivers are on the same channel.
- Poor Sound Quality:** Verify that the microphone is positioned correctly (3-4cm from mouth). Check for interference from other 2.4GHz devices. Try changing the channel.
- Limited Range:** Ensure there are no major obstructions between the transmitter and receivers. The stated range is for open areas; walls and other structures can reduce effective range.
- Units Not Pairing:** Perform a one-key channel synchronization from the main transmitter to ensure all units are on the same channel.

If you encounter persistent issues, please refer to the warranty and support section for assistance.

## Specifications

|                              |  |
|------------------------------|--|
| <b>Item Weight</b>           | 3.08 pounds                                    |
| <b>Product Dimensions</b>    | 8.66 x 8.66 x 4.33 inches                      |
| <b>Item Model Number</b>     | FF9468C  |
| <b>Batteries</b>             | 12 Lithium Metal batteries required (included) |
| <b>Brand</b>                 | Retekess                                       |
| <b>Color</b>                 | Black  |
| <b>Number of Channels</b>    | 50   |
| <b>Special Feature</b>       | Lightweight, Microphone Included               |
| <b>Talking Range Maximum</b> | 150 Meter (492 feet)                           |
| <b>Battery Life</b>          | 12 Hours                                       |

## Warranty and Support

Retekess provides lifetime customer support for the TT105 system. The product comes with a 3-year warranty and a 30-day no-reason return policy. For any inquiries or issues, please contact Retekess customer service on Amazon. They aim to reply within 12 hours.

## Frequently Asked Questions (FAQs)

- **What makes Retekess products unique?** Retekess products offer a three-year service for worry-free use, a variety of accessories to meet individual needs, and support customization for exclusive solutions.
- **Why does Retekess focus on wireless communication?** Retekess aims to leverage wireless technologies to enhance communication and make daily life more comfortable in the digital age.