EXMAX EX-100

EXMAX® EX-100 Wireless Tour Guide System User Manual

Comprehensive instructions for setup, operation, and maintenance of your EXMAX EX-100 Wireless Tour Guide System.

INTRODUCTION

The EXMAX® EX-100 Wireless Tour Guide System is designed for clear and efficient audio transmission in various group settings. This system facilitates one-way communication from a speaker (transmitter) to multiple listeners (receivers), making it ideal for tour guiding, simultaneous interpretation, silent lectures, factory visits, and more. This manual provides detailed instructions to help you set up, operate, and maintain your system effectively.

SETUP GUIDE

1. Package Contents

Before beginning, please verify that all components are present in your package:

- EXMAX® EX-100 Transmitter
- EXMAX® EX-100 Receivers (quantity as per purchased kit)
- Lapel Microphone for Transmitter
- Earphones for Receivers
- USB Charging Cables
- Charging Base (16-port)
- Lanyards

Image: Overview of the EXMAX EX-100 Wireless Tour Guide System components.

2. Charging the Devices

Both the transmitter and receivers are equipped with built-in 900mAh lithium batteries. For optimal performance, fully charge all devices before first use.

- Connect the USB charging cables to the mini USB charge port on each device.
- Insert the other end of the USB cables into the 16-port charging base.
- Connect the charging base to a power outlet using the provided power adapter.
- A full charge typically takes approximately 4 hours and provides over 18 hours of working time.

EXMAX® ATG-100T(72-76MHz)
1 Transmitter 5 Receivers with 16-port Charger

Image: Multiple receivers connected to the 16-port charging base.

Image: Close-up of the 16-port USB charging base.

3. Connecting Microphone and Earphones

- For the transmitter, plug the lapel microphone into the 3.5mm microphone jack.
- For each receiver, plug the earphone into the 3.5mm earphone jack.
- **Important:** The wire of the microphone and earphone acts as an antenna. Please unfold the wire completely to enhance voice signal transmission and reception.

4. Powering On and ID Setting (Pairing)

To ensure proper communication, the transmitter and all receivers in a group must be set to the same frequency Channel ID. The system supports 40 frequency channels, allowing at least 10 groups to work simultaneously without interference.

1. **Turn On/Off:** Keep pressing the "Middle" button (play/pause button) on both the transmitter and receivers for 2 seconds to turn them on or off.
2. **Setting Channel ID for Transmitter:**

   - With the transmitter turned on, keep pressing the "Right" button (fast forward) and "M" button (mode) simultaneously for 2 seconds.
   - When you see the "ID number" flashing on the screen, release the "M" button.

- Click the "Right" button or "Left" button (rewind) to change the ID number.
- After selecting the desired ID number, click the "M" button to confirm it. The transmitter will automatically enter the wireless transmitting status of ID matching (the antenna icon will be flashing, along with the ID number and battery icon).
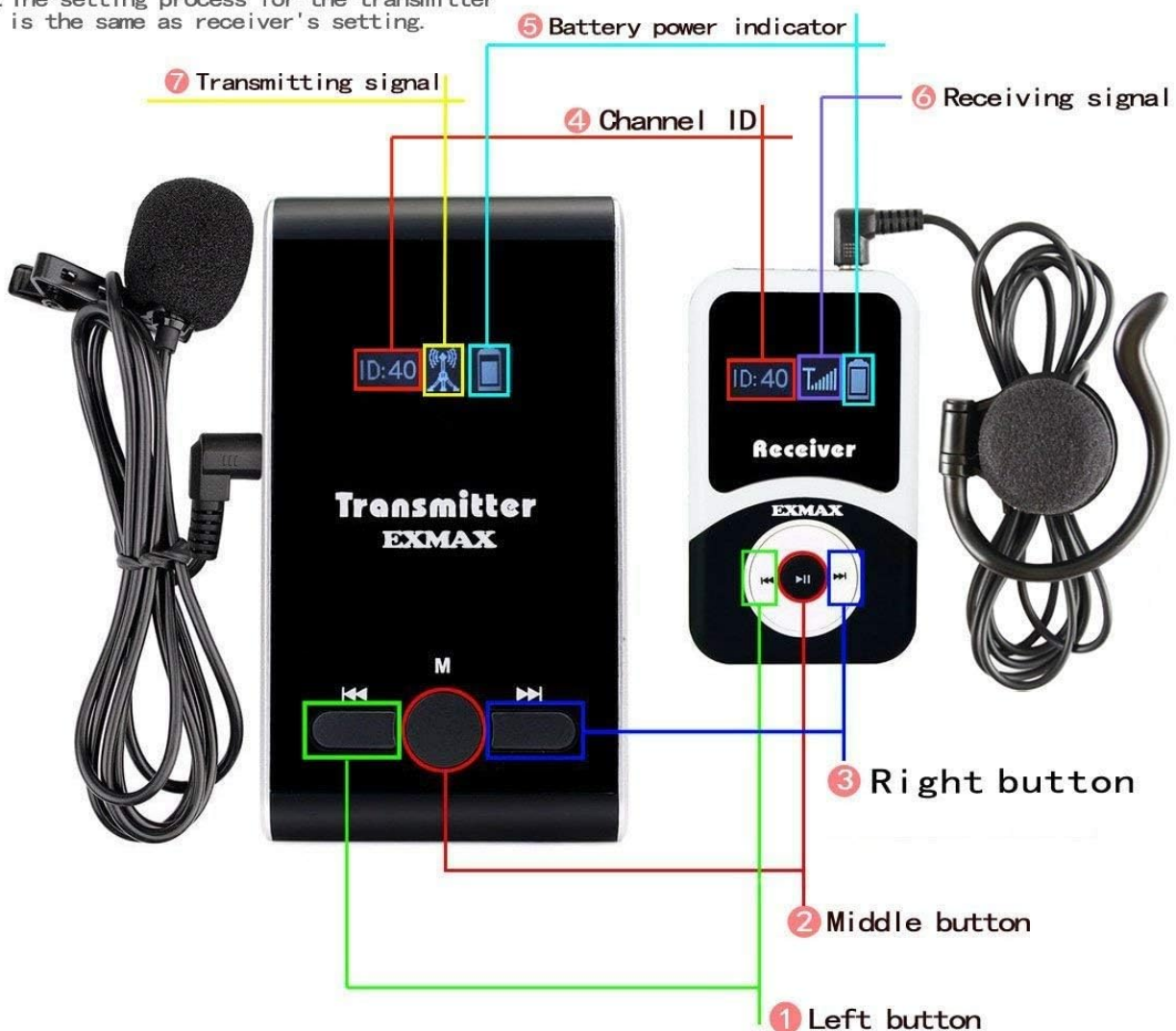
3. **Setting Channel ID for Receivers:**

   - While the transmitter is in ID matching mode (antenna icon flashing), take a receiver.
   - Keep pressing the "Left" button (rewind) and "Middle" button (play/pause) simultaneously for 2 seconds.
   - When you see the "EXMAX" icon on the screen, just release the "Middle" button. You will then see "00" ID number.
   - The receiver has now entered the wireless ID receiving mode and automatically matched the transmitter's ID. The antenna icon on the receiver will also be flashing.
   - Repeat this process for all other receivers in the same group.

4. **Finalizing Setup:** After all devices for a group are set to the same ID, turn off all of them by pressing the "Middle" button for 2 seconds. Then, turn them back on using the same method. They should now be paired and ready for use.

* Turn on & Turn off: Keep pressing button ❷ for 2 seconds to turn on or off.
* Receiver volume adjustment: When get signal from transmitter,
* Just click ❶ or ❸ to turn up or down volume for receiver.

How to set Channel ID:

1. Before setting, plug earphone to receiver and insert the microphone to transmitter.
2. Turn off the receiver or transmitter (Just click the button ❷ to turn on or turn off).
3. Keep pressing button ❸ (Long press), and then click button ❷ for 1 or 2 seconds. You will see Channel ID flashing, it is at the ID setting mode, just click button ❶ or button ❸ to set the Channel ID and click the button ❷ to confirm.
4. Then you have to turn off and turn on it again to finish the setting process.
5. The setting process for the transmitter is the same as receiver's setting.

❺ Battery power indicator

❼ Transmitting signal

❻ Receiving signal

❹ Channel ID

ID:40

Transmitter
EXMAX

ID:40

Receiver

EXMAX

M

❸ Right button

❷ Middle button

❶ Left button

Image: Visual guide to button functions and display indicators for ID setting.

Video Tutorial: How to Use ATG-100T Wireless Tour Guide System

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Video: A comprehensive guide demonstrating the setup and operation of the EXMAX ATG-100T Wireless Tour Guide System, including connecting components, powering on, and setting channel IDs.

OPERATING INSTRUCTIONS

1. Volume Adjustment

On the receiver, use the "Left" button (rewind) or "Right" button (fast forward) to adjust the volume up or down. Ensure the volume is at a comfortable listening level.

2. Wearing the Devices

Both the transmitter and receivers are lightweight and designed for comfortable wear.

- Attach the lanyard to the designated connector on the top of the device.
- Wear the transmitter around your neck with the lapel microphone clipped to your collar for clear voice pickup.
- Listeners wear the receivers around their necks, with the earphone comfortably placed in one ear.

3.5mm earphone jack

Mini usb charge port

Lanyard connector

(42mm)
1.65in

ID: 02

Receiver

EXMAX

2.83in
(72mm)

(12mm)
0.47in

Lanyard waering

Earphone wearing

Net weight:46g
Charge time:4 hours
Working time:20 hours

Image: Receiver dimensions and wearing instructions.

Image: Transmitter dimensions and wearing instructions.

3. System Operation Principles

- The system operates on a frequency band of 72-76MHz.
- One transmitter can pair with countless receivers as long as they are on the same frequency Channel ID.
- Different groups should use different frequency Channel IDs to avoid interference when operating simultaneously. The 40 available channels allow for at least 10 simultaneous groups.
- The transmission distance is approximately 20-30 meters (65-100 feet).
- The system is designed to avoid interference automatically, ensuring clear audio without murmuring.

EXMAX®
Charger for tour guide system
MODEL: ATG-C16
INPUT:100-240V ~50/60HZ
USB OUTPUT 5V—7A

70cm/27.56in
115cm/45in
96cm/38in
46cm/18.11in

Frequency Range:72MHz–76MHz

Power Supply:110V–240V

Frequency Response:50–18000Hz

S/N Ratio:≧90dB(Typical)

Working Time:20 hours

Talk range:20–30 meters
(65ft–100ft)

Battery capacity: 900mAh

Charging time: 4 hours

Net weight:46g

Image: Illustration of the system's one-way communication flow.

4. Applicable Scenarios

The EXMAX EX-100 system is versatile and suitable for a wide range of applications:

- Tour guiding (city tours, factory tours, museum tours, bus tours, walking tours)
- Simultaneous interpreting (church translation, international conferences, sermon interpretation)
- Silent lectures and meetings
- Exhibition live explanation
- Corporate hospitality and events
- Audio visual laboratories
- Assistive listening for elders
- Work-study programs
- Any group setting requiring clear one-way communication.

Image: Examples of suitable environments for the EXMAX Wireless Tour Guide System.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your EXMAX EX-100 system.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the transmitter and receivers. Do not use liquid cleaners or solvents.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures. When not in use for extended periods, ensure batteries are partially charged (around 50%) to preserve battery health.
- **Battery Care:** Avoid fully discharging the batteries frequently. Recharge them regularly, even if not in constant use, to maintain battery capacity.
- **Cable Management:** Handle all cables and connectors with care to prevent damage. Avoid sharp bends or excessive pulling.

TROUBLESHOOTING

If you encounter issues with your EXMAX EX-100 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from receiver.	Receiver is off or low battery. Volume is too low. Transmitter is off or not transmitting. Receiver and transmitter are on different Channel IDs. Earphone not properly connected.	Ensure receiver is on and charged. Increase receiver volume. Ensure transmitter is on and transmitting (check flashing antenna icon). Re-do the ID setting process to match transmitter and receiver Channel IDs. Check earphone connection.
Interference or poor sound quality.	Other wireless devices on the same frequency. Microphone/earphone wires not unfolded. Obstacles between transmitter and receiver. Distance too far.	Change the Channel ID to an unused frequency. Ensure microphone and earphone wires are fully unfolded. Reduce obstacles or move closer to the transmitter. Stay within the recommended transmission range (20-30 meters).
Short transmission range.	Microphone/earphone wires not unfolded. Environmental interference. Low battery on transmitter or receiver.	Ensure wires are fully unfolded. Move to an area with less wireless interference. Charge devices fully.

TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	EX-100
Frequency Range	72-76MHz
Transmission Distance	20-30 meters (65-100 feet)
Number of Channels	40 (allowing at least 10 simultaneous groups)
Battery Type	Built-in 900mAh Lithium Polymer
Working Time	Over 18 hours (Transmitter), 20 hours (Receiver)
Charge Time	Approx. 4 hours
Transmitter Weight	56g

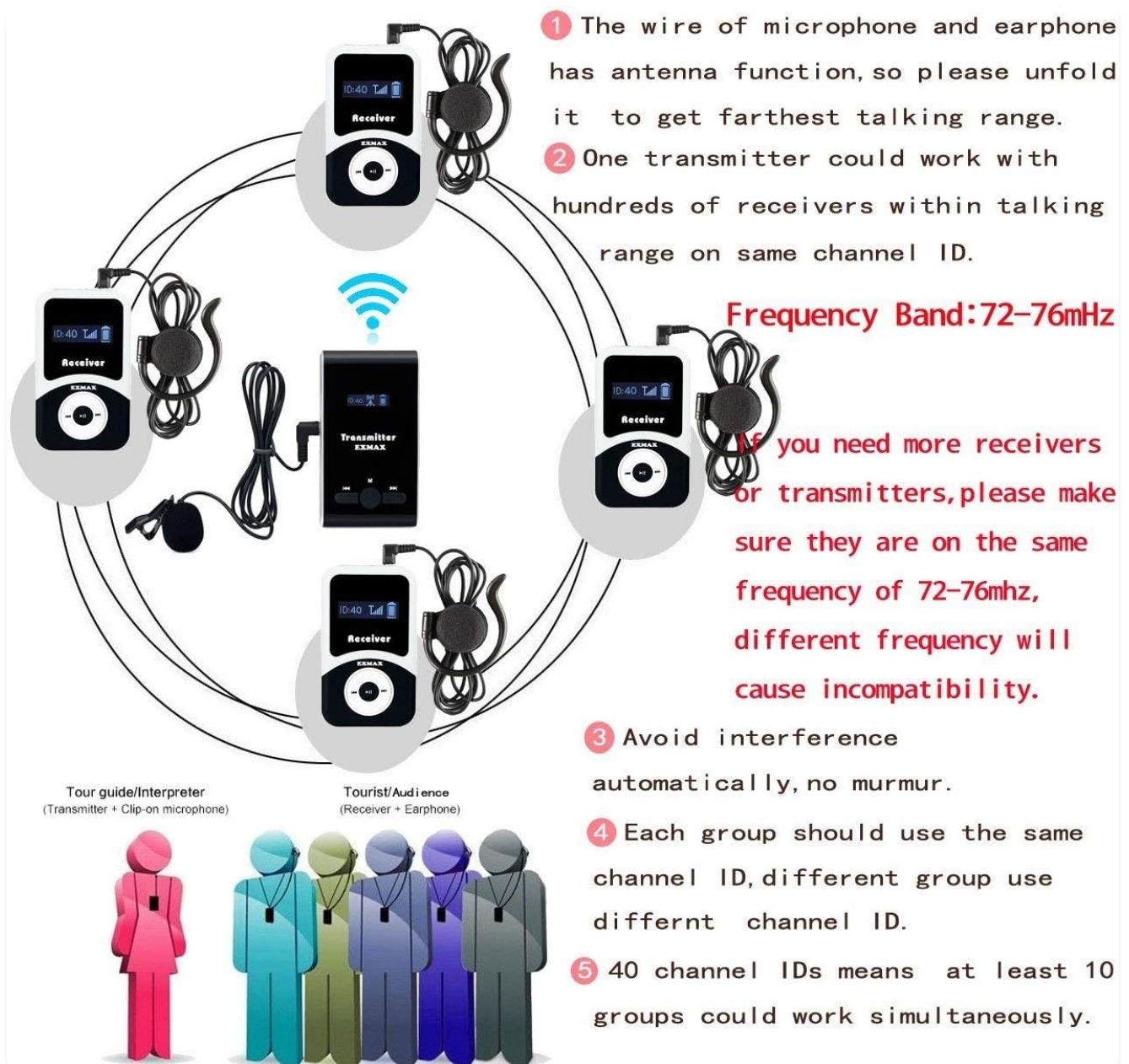| Feature	Detail
Receiver Weight	46g
Product Dimensions (Transmitter)	99mm (3.89 in) x 55mm (2.16 in) x 15mm (0.59 in)
Product Dimensions (Receiver)	72mm (2.83 in) x 42mm (1.65 in) x 12mm (0.47 in)
S/N Ratio	≥90dB
Power Supply	110-240V (Charging Base Input)
USB Output (Charging Base)	5V 7A

Image: Visual representation of key specifications and dimensions.

WARRANTY AND SUPPORT

EXMAX stands behind the quality of its products.

- **Warranty:** The EXMAX EX-100 Wireless Tour Guide System comes with a 2-year warranty. This includes a 24-month replacement warranty.
- **Customer Support:** For any questions or assistance with your wireless tour guide equipment, please contact EXMAX customer support. They provide 24/7 online services. You can typically find contact information by clicking "Sold by EXMAX" and "Ask a question" on the product's purchase page.
- Your feedback and suggestions are valuable for continuous improvement.

Related Documents - EX-100

[EXMAX EX-200E Wireless Tour Guide System User Manual | Operation & Setup Guide](#)
Detailed user manual for the EXMAX EX-200E Wireless Tour Guide Voice Transmission System. Learn how to set up, operate, and troubleshoot the EX-200ET transmitter and EX-200ER receivers for clear group communication.

[EXMAX EX-938T Wireless Acoustic Transmission System User Manual](#)
User manual for the EXMAX EX-938T Wireless Acoustic Transmission System, detailing setup, operation, troubleshooting, and technical specifications for UHF wireless audio transmission.

[MIPRO BC-100 II Multi-Functional Boundary Microphone Base User Guide](#)
This user guide provides comprehensive instructions for the MIPRO BC-100 II Multi-Functional Boundary Microphone Base. It covers part identification, installation of transmitters (bodypack and gooseneck), wired and wireless operation modes, charging procedures, and important notes including FCC and IC compliance statements.

[ElSwitch Installation Guide for CTRLink Industrial Ethernet Switches](#)
Comprehensive installation guide for Contemporary Controls ElSwitch CTRLink Industrial Ethernet Switches, covering specifications, mounting, cabling, power options, operation, and warranty information for models like EIS8-100T and EIS6-100T/FC.

[SILENT Axial Extractor Fans Installation and Operation Manual](#)
This manual provides detailed instructions for the installation, electrical connection, and operation of SILENT axial extractor fans. It covers various models including SILENT CZ, CRZ, CHZ, and CDZ, detailing their features such as timers, humidistats, and presence detectors. The guide includes safety precautions, maintenance tips, and troubleshooting advice.