

XTUGA RW2080

XTUGA RW2080 Wireless In-Ear Monitor System User Manual

Model: RW2080 | Brand: XTUGA

INTRODUCTION

The XTUGA RW2080 Wireless In-Ear Monitor System is designed to provide reliable and high-quality audio monitoring for musicians, performers, and presenters. Utilizing UHF band circuitry, this system offers stable signal transmission and clear sound, making it ideal for stage performances, studio recordings, and various live sound applications. This manual provides comprehensive instructions for setting up, operating, and maintaining your RW2080 system.



Figure 1: XTUGA RW2080 Wireless In-Ear Monitor System components, including the main transmitter unit and four bodypack receivers with earphones.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Transmitter Unit
- 4 x Bodypack Receivers
- 2 x Antennas
- 4 x Earphones
- 4 x Cable Lines
- 1 x Power Adapter
- 1 x User Manual (this document)

PRODUCT FEATURES

- **UHF In-Ear Monitor:** Utilizes UHF band circuitry for delay-free operation and stable signal reception, avoiding interference.
- **Wide Coverage:** Offers a wireless range of up to 300 feet (approximately 90 meters) with a frequency range of 572MHz-599Mhz.
- **Reliable Monitoring:** Features 2*40 preset adjustable frequencies for arbitrary switching, supporting interference-free multi-set operation with up to 6+ IEM systems. Built-in Limiter circuitry helps eliminate distortion at excessive input levels.
- **Durable Construction:** The transmitter is constructed from sturdy whole metal, while the bodypack receivers are made from lightweight ABS material, ensuring durability and elegance.
- **Clear Display:** Equipped with a clear LCD display panel on both transmitter and receivers for easy monitoring of system details.
- **Rackmount Kit:** Includes a rackmount kit for professional installation and optimized signal transmission.

ANTI-INTERFERENCE

Excellent stage anti-interference ability, stable signal



Figure 2: The transmitter unit showcasing its anti-interference design with dual antennas for stable signal.

SETUP GUIDE

1. Transmitter Unit Setup

1. **Power Connection:** Connect the provided power adapter to the DC power socket on the rear of the transmitter unit and plug it into a suitable power outlet.
2. **Antenna Installation:** Screw the two antennas securely into the antenna ports on the rear of the transmitter. Ensure they are positioned vertically for optimal signal transmission.
3. **Audio Input:** Connect your audio source (e.g., mixing console, audio interface) to the "AF INPUT" XLR/TRS combo jacks on the rear of the transmitter. The system supports both left and right channel inputs.

WIRELESS TRANSMITTER

UHF Delay-free **2x40** Selectable frequencies **300FT(90m)** Wireless range **550-580Mhz** Frequency range



Figure 3: Detailed view of the wireless transmitter, highlighting its front panel controls (headphone output, volume, set selection, LED screen, power switch) and rear panel connections (channel inputs, DC power socket, antennas, volume control potentiometers).

2. Bodypack Receiver Setup

1. **Battery Installation:** Open the battery compartment on the back of each bodypack receiver. Insert two AA batteries, ensuring correct polarity. The system requires 2 AA batteries.
2. **Earphone Connection:** Plug the included earphones into the 3.5mm headphone output jack on the top of the bodypack receiver.

RW2080 RECEIVER

MONO

Beginner-friendly



In-Ear Monitoring



AA batteries



Individual adjustment

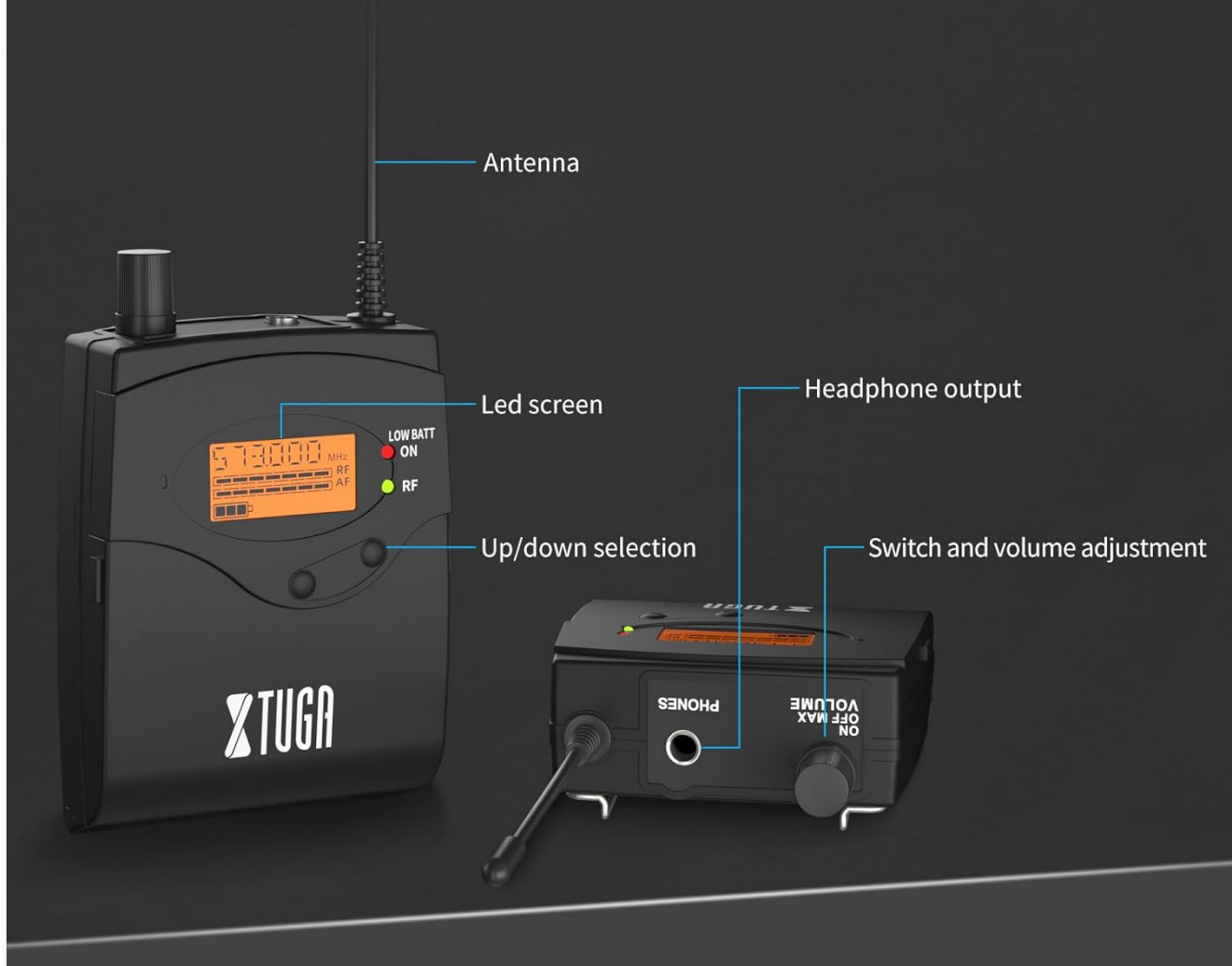


Figure 4: Detailed view of the RW2080 receiver, showing the antenna, LED screen, up/down selection buttons, headphone output, and switch/volume adjustment knob.

IN-EAR HEADPHONES

It adopts an ergonomically inclined angle design to fit the ear canal, which is comfortable and effectively prevents sound leakage.



Figure 5: The included in-ear headphones feature an ergonomically inclined angle design for comfortable fit and effective sound isolation.

OPERATING INSTRUCTIONS

1. Powering On and Volume Adjustment

1. **Transmitter:** Press the power button on the front panel of the transmitter to turn it on.
2. **Bodypack Receiver:** Turn the "ON/OFF MAX VOLUME" knob on the bodypack receiver clockwise to power it on and adjust the volume. Start with a low volume and gradually increase it to a comfortable listening level.

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Video 1: An official product video demonstrating the setup and basic operation of the XTUGA RW2080 Wireless In-Ear Monitor System, including powering on and connecting components.

2. Frequency Selection

The RW2080 system offers both automatic and manual frequency selection to ensure clear, interference-free operation.

- **Automatic Frequency Scan:** Press the "SET" button on the transmitter to automatically scan for and select an interference-free frequency. The bodypack receivers will automatically sync to the selected frequency.

- **Manual Frequency Adjustment:** Use the "UP/DOWN" selection buttons on the bodypack receiver to manually adjust the frequency if needed. Ensure the bodypack's frequency matches the transmitter's frequency for proper operation.



Figure 6: Illustration of the frequency selection process, demonstrating both the automatic "SET" button function and manual adjustment using the left/right controls.

3. Real-time Monitoring

The transmitter unit includes a 6.35mm monitor connector for real-time monitoring of the audio signal being sent to the bodypacks. This allows for direct audio verification without needing a bodypack receiver.

REAL-TIME MONITOR

6.5mm monitor connector.



Figure 7: A headset connected to the transmitter's 6.35mm output for real-time audio monitoring.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the transmitter and bodypack receivers. Avoid using abrasive cleaners or solvents.
- **Battery Care:** Remove batteries from bodypack receivers if the system will not be used for an extended period to prevent leakage.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Antenna Care:** Handle antennas with care to avoid bending or breaking.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|---------------------------------------|---|---|
| No sound from bodypack receiver. | Bodypack not powered on. Low or dead batteries. Incorrect frequency selected. Earphones not properly connected or faulty. Transmitter not powered on or no audio input. | Turn on the bodypack receiver. Replace batteries. Ensure bodypack and transmitter are on the same frequency. Use auto-scan. Check earphone connection; try different earphones. Verify transmitter power and audio input. |
| Interference or static in audio. | Nearby wireless devices causing interference. Operating outside optimal range. Weak signal. | Perform an automatic frequency scan to find a clear channel. Move closer to the transmitter. Ensure antennas are properly connected and positioned. |
| Audio distortion. | Input level too high. Bodypack volume too high. | Reduce the audio input level to the transmitter. Lower the volume on the bodypack receiver. The system has built-in limiter circuitry to help prevent distortion. |
| Limited bass response or slight hiss. | Characteristic of the system's audio processing (mono output). Quality of earphones. | This system primarily provides a mono output. Consider using higher quality in-ear monitors (IEMs) for improved audio fidelity. |

SPECIFICATIONS

| Feature | Detail |
|----------------------------|--|
| Model Name | RW2080 |
| Connectivity Technology | Wireless (RF) |
| Frequency Range | 572-599MHz |
| Number of Frequencies | 2*40 adjustable frequencies |
| Wireless Range | Up to 300 feet (approx. 90 meters) |
| Noise Control | Sound Isolation |
| Headphones Jack | 3.5 mm Jack (for bodypack) |
| Transmitter Monitor Output | 6.35mm Jack |
| Material | Metal (Transmitter), ABS (Bodypack Receiver) |
| Power Source (Bodypack) | 2 AA batteries (required) |
| Impedance | 16 Ohm (earphones) |
| Product Dimensions | 22.44 x 3.74 x 12.99 inches (Transmitter) |
| Item Weight | 6.07 pounds |

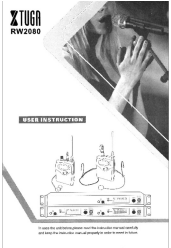
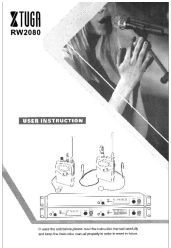
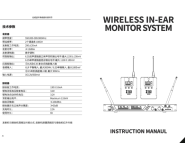





Figure 8: Dimensions of the XTUGA RW2080 transmitter and bodypack receiver, including earphone cable length.

WARRANTY AND SUPPORT

XTUGA is committed to providing high-quality electronic audio products and excellent customer service. For any product-related inquiries, technical support, or warranty claims, please contact XTUGA customer service. Our professional after-sales team aims to resolve any issues within 24 hours.

For more information and support, please visit the official XTUGA store: [XTUGA Store on Amazon](#).

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|  | <p>XTUGA RW2080 Wireless Ear-Monitor System User Instruction Manual</p> <p>This document provides comprehensive user instructions for the XTUGA RW2080 wireless ear-monitor system. It covers product presentation, main features, functions, detailed front and back panel instructions for single and double channel receivers and transmitters, bodypack transmitter and receiver details, usage illustrations, system settings, and technical specifications.</p> |
|  | <p>Xtuga RW2080 Wireless Ear-Monitor System User Manual</p> <p>Comprehensive user manual for the Xtuga RW2080 wireless ear-monitor system, detailing its features, operation, technical specifications, and setup instructions for stage performance and audio monitoring.</p> |
|  | <p>XTUGA SEM200 Wireless In-Ear Monitor System User Manual</p> <p>User manual for the XTUGA SEM200 Wireless In-Ear Monitor System, detailing product introduction, safety tips, transmitter and receiver overviews, main features, system settings, technical specifications, and usage illustrations for stage monitoring and audio broadcasting.</p> |
|  | <p>XTUGA IEM1200 Wireless In-Ear Monitor System User Manual</p> <p>Comprehensive user manual for the XTUGA IEM1200 Wireless In-Ear Monitor System, detailing features, operation, and technical specifications for stage performance and sound broadcast.</p> |
|  | <p>Xtuga SEM200 Wireless In-Ear Monitor System User Manual</p> <p>Comprehensive user manual for the Xtuga SEM200 Wireless In-Ear Monitor System, covering product introduction, safety tips, technical specifications, system settings, and usage instructions.</p> |
|  | <p>Xtuga RW2090 Wireless Monitoring System Operation Instructions</p> <p>Operation instructions for the Xtuga RW2090 Wireless Monitoring System, covering product introduction, signal transmitter and receiver parameters, usage, and safety information.</p> |