

## XTUGA RW2080

# XTUGA RW2080 Wireless In-Ear Monitor System

## User Manual

### 1. INTRODUCTION

The XTUGA RW2080 is a professional whole metal wireless in-ear monitor system designed for stage performances, studio monitoring, and other audio applications. It provides reliable, high-quality audio monitoring with two channels and two bodypack receivers, ensuring performers can hear themselves clearly in any environment.

### 2. WHAT'S IN THE BOX

- RW2080 Wireless Transmitter Unit
- 2 x RW2080 Bodypack Receivers
- 2 x In-Ear Earphones
- Power Adapter
- Antennas
- Audio Cables
- User Manual (this document)

### 3. PRODUCT OVERVIEW

#### 3.1 Wireless Transmitter

The transmitter unit is the central component, sending audio signals wirelessly to the bodypack receivers. It features controls for headphone monitoring, frequency selection, and input level adjustments.



**Figure 1:** XTUGA RW2080 Wireless Transmitter Front and Rear Panel. This image illustrates the front panel controls including headphone volume adjustment, set selection, LED screen, selection down button, 6.35mm headphone output, and power switch. The rear panel shows the antenna connections, DC power socket, right channel input, and left channel input.

### 3.2 RW2080 Receiver

The bodypack receiver is a compact, portable unit that receives the audio signal from the transmitter. It is powered by AA batteries and includes a headphone output and volume control.

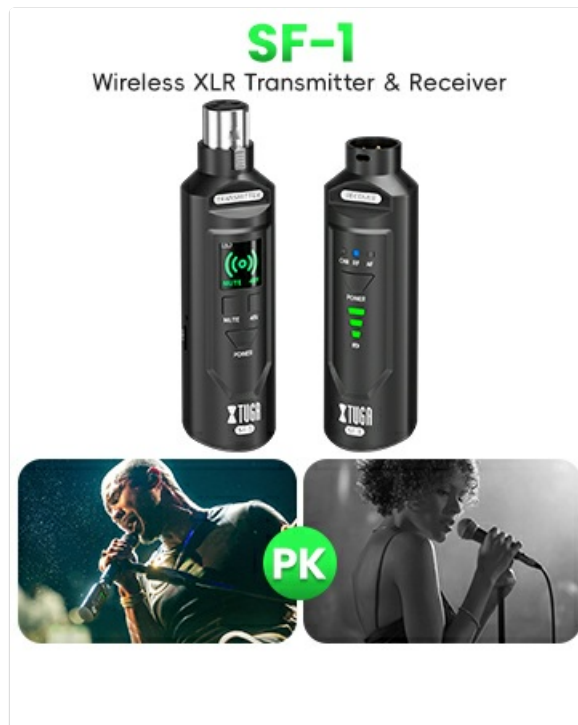


**Figure 2:** XTUGA RW2080 Bodypack Receiver. This diagram highlights the antenna, LED screen, low battery indicator, RF signal indicator, up/down selection buttons, headphone output, and the combined power switch and volume adjustment knob.

## 4. SETUP

1. **Connect Transmitter:** Connect the power adapter to the transmitter unit and plug it into a power outlet.

Attach the antennas to the rear panel.

2. **Audio Input:** Connect your audio source (e.g., mixing console, audio interface) to the 'LEFT' and 'RIGHT' channel inputs on the rear of the transmitter using appropriate audio cables.
3. **Insert Batteries (Receiver):** Open the battery compartment on each bodypack receiver and insert two AA batteries, ensuring correct polarity.
4. **Connect Earphones:** Plug the in-ear earphones into the 'PHONES' output jack on each bodypack receiver.
5. **Power On:** Turn on the transmitter unit using its power switch. Turn on each bodypack receiver by rotating the volume knob clockwise.

## 5. OPERATING INSTRUCTIONS

### 5.1 Frequency Selection

The RW2080 system offers both automatic and manual frequency selection to avoid interference.



**Figure 3:** Automatic and Manual Frequency Adjustment. This image shows the 'Set' button for automatic frequency scanning and the left/right buttons for manual frequency selection on the transmitter, along with the receiver's display.

- **Automatic Frequency Scan:** Press the 'Set' button on the transmitter to automatically scan for and select a clear, interference-free frequency. The receiver will automatically sync to this frequency.
- **Manual Frequency Adjustment:** Use the 'Up/Down' selection buttons on the transmitter to manually choose a specific frequency. Ensure the bodypack receiver is set to the same frequency for proper operation.

### 5.2 Volume Control

- **Transmitter Headphone Output:** Adjust the headphone volume potentiometer on the transmitter for monitoring the outgoing audio signal.
- **Bodypack Receiver Volume:** Use the 'ON/OFF MAX VOLUME' knob on the bodypack receiver to adjust the listening volume of your in-ear earphones. Start at a low volume and gradually increase to a comfortable level.

### 5.3 Real-Time Monitoring

The system allows for real-time monitoring through the 6.35mm monitor connector on the transmitter, enabling engineers or other personnel to listen to the mix being sent to the performers.



**Figure 4:** Real-Time Monitoring. This image shows a user monitoring audio via headphones connected to the transmitter's 6.35mm output.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the transmitter and receivers. Avoid using liquid cleaners or solvents.
- **Battery Care:** Remove batteries from the 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.
- **Antennas:** Handle antennas with care to prevent bending or breaking.

## 7. TROUBLESHOOTING

| Problem                | Possible Cause                                                                                                                                                                                                        | Solution                                                                                                                                                                                                                          |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No sound from receiver | <ul style="list-style-type: none"><li>• Receiver not powered on</li><li>• Low/dead batteries</li><li>• Incorrect frequency</li><li>• Transmitter not powered on</li><li>• Audio source not connected/active</li></ul> | <ul style="list-style-type: none"><li>• Turn on receiver</li><li>• Replace batteries</li><li>• Match receiver frequency to transmitter</li><li>• Turn on transmitter</li><li>• Check audio source connection and output</li></ul> |
| Interference/Static    | <ul style="list-style-type: none"><li>• Conflicting wireless signals</li><li>• Too far from transmitter</li><li>• Obstructions</li></ul>                                                                              | <ul style="list-style-type: none"><li>• Perform automatic frequency scan</li><li>• Reduce distance between transmitter and receiver</li><li>• Ensure clear line of sight</li></ul>                                                |
| Low volume             | <ul style="list-style-type: none"><li>• Receiver volume too low</li><li>• Transmitter input level too low</li><li>• Earphones not fully plugged in</li></ul>                                                          | <ul style="list-style-type: none"><li>• Increase receiver volume</li><li>• Adjust input level on transmitter</li><li>• Ensure earphones are securely connected</li></ul>                                                          |

## 8. SPECIFICATIONS

- **Model Name:** RW2080
- **Connectivity Technology:** Wireless (RF)
- **Material:** Metal
- **Control Type:** Volume Control

- **Battery Life:** Approximately 10 Hours (Receiver)
- **Power Source:** 2 AA batteries (Receiver), AC Power (Transmitter)
- **Product Dimensions:** 22.44 x 12.99 x 3.74 inches (Transmitter unit packaging)
- **Item Weight:** 5.59 pounds (Total package)
- **Frequency Range:** 550-580MHz (UHF, 2x40 selectable frequencies)
- **Wireless Range:** Up to 300FT (90m)

## 9. WARRANTY AND SUPPORT

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XTUGA products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your purchase or visit the official XTUGA website. For technical support, troubleshooting assistance, or inquiries about replacement parts, please contact XTUGA customer service through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.

## 10. PRODUCT VIDEO

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**Video 1:** XTUGA RW2080 Wireless In-Ear Monitor System Overview. This video provides a visual demonstration of the XTUGA RW2080 system, showcasing its components, basic setup, and how it functions in a live performance context.