XTUGA RW2080

XTUGA RW2080 Wireless In-Ear Monitor System User Manual

Model: RW2080

1. INTRODUCTION

The XTUGA RW2080 Wireless In-Ear Monitor System is designed to provide reliable and high-quality audio monitoring for musicians, performers, and audio professionals. Utilizing UHF band circuitry, this system offers stable signal transmission with a wide coverage range, making it suitable for various applications including stage performances, studio recordings, and lectures. This manual provides detailed instructions for setting up, operating, and maintaining your RW2080 system.

2. PACKAGE CONTENTS

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

- Transmitter x 1
- Bodypack Receiver x 2
- Antenna x 2
- Earphone x 2
- Cable Line x 4
- Power Adapter x 1
- User Manual x 1

3. PRODUCT OVERVIEW

3.1 System Components

This image displays the complete XTUGA RW2080 Wireless In-Ear Monitor System, featuring the main rack-mountable transmitter unit and two portable bodypack receivers, each with an antenna and in-ear monitors. This setup allows for dual-channel monitoring.

3.2 Wireless Transmitter (Rack Unit)

WIRELESS TRANSMITTER

UHF
Delay-free

2x40
Selectable frequencies

300FT(90m)
Wireless range

550-580Mhz
Frequency range

Headphone volume adjustment
6.35mm headphone output
Power switch

Set selection
Led screen
Selection down

Antenna
DC power socket
The right channel input

Left volume control
Right volume control
The left channel input

The transmitter unit features a clear LCD screen displaying frequency and channel information. Key controls include headphone volume adjustment, set selection buttons, and a power switch on the front. The rear panel provides antenna connections, DC power input, and left/right channel audio inputs with corresponding volume controls.

3.3 RW2080 Bodypack Receiver

RW2080 RECEIVER

MONO
Beginner-friendly

In-Ear Monitoring

AA batteries

Individual adjustment

Antenna

Led screen

LOW BATT
ON
RF
AF
RF

Up/down selection

Headphone output

Switch and volume adjustment

PHONES
ON OFF MAX VOLUME

XTUGA
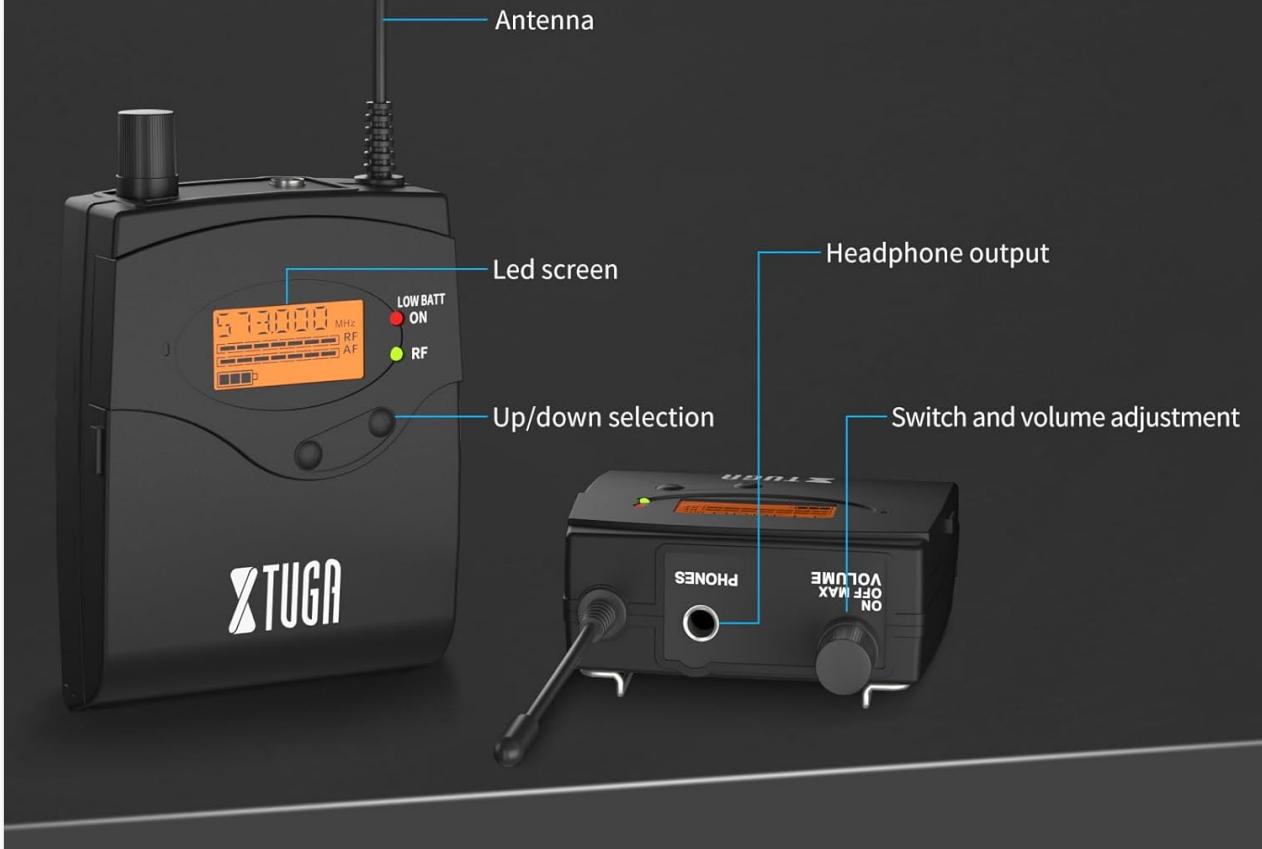
The compact bodypack receiver includes an antenna, an LCD screen showing battery status and RF signal, and up/down selection buttons. A headphone output jack and a combined switch/volume adjustment knob are located on the top and side for easy access during use.

3.4 Frequency Adjustment

AUTO CHOOSE
Multi-channel free switching

set▶
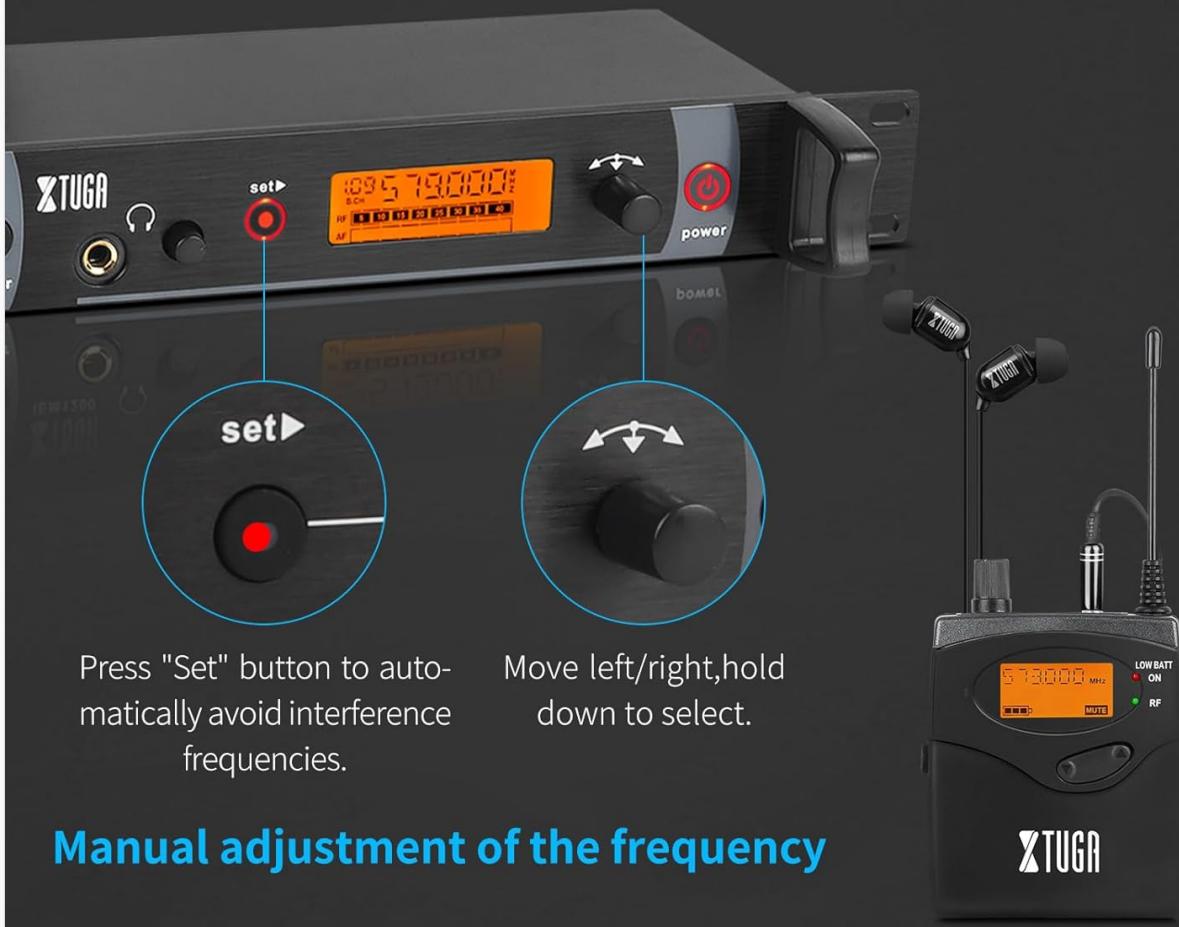
Press "Set" button to auto-matically avoid interference frequencies.

Move left/right,hold down to select.

Manual adjustment of the frequency

The system supports both automatic and manual frequency selection. Pressing the "Set" button on the transmitter allows for automatic scanning to avoid interference frequencies. Manual adjustment is also possible by moving the left/right selection knob and holding it down to confirm.

3.5 Durable Construction

BRUSHED METAL MATERIAL

Made of high-quality brushed metal materials.

The main transmitter unit is constructed from high-quality brushed metal, ensuring durability and a professional appearance suitable for stage and studio environments.

3.6 Real-Time Monitoring

REAL-TIME MONITOR
6.5mm monitor connector.

HEADSET MONITOR

The transmitter unit includes a 6.5mm monitor connector, allowing for real-time audio monitoring directly from the transmitter using standard headphones.

4. SETUP INSTRUCTIONS

1. **Transmitter Placement:** Place the transmitter unit on a stable surface or install it into a standard equipment rack using the provided rackmount kit. Ensure adequate ventilation around the unit.

2. **Antenna Connection:** Screw the two antennas securely into the antenna ports on the rear of the transmitter. Position them vertically for optimal signal reception.

3. **Power Connection:** Connect the power adapter to the DC power socket on the transmitter and plug it into a suitable power outlet.

4. **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 the provided cables.

5. **Bodypack Batteries:** Open the battery compartment on each bodypack receiver and insert two AA batteries, observing correct polarity.

6. **Earphone Connection:** Plug the earphones into the headphone output jack on each bodypack receiver.

7. **Power On:** Turn on the transmitter and then each bodypack receiver.

8. **Frequency Synchronization:**

   - **Automatic Scan:** On the transmitter, press the "Set" button to initiate an automatic frequency scan. The system will select the clearest available frequency.

   - **Manual Selection:** Alternatively, use the left/right selection knob on the transmitter to manually choose a frequency. Hold the knob down to confirm your selection.

   Ensure the bodypack receivers are within range and will automatically synchronize to the selected frequency. Verify the RF indicator on the bodypack is lit.

5. OPERATING INSTRUCTIONS

1. **Adjusting Transmitter Input Level:** Use the Left and Right volume controls on the rear of the transmitter to adjust the input audio level. Monitor the level indicators on the LCD screen to prevent clipping.

2. **Adjusting Bodypack Volume:** Use the combined switch/volume adjustment knob on the bodypack receiver to control the listening volume of your earphones.

3. **Monitoring Audio:** Connect headphones to the 6.5mm jack on the front of the transmitter to monitor the audio being sent to the bodypacks. Adjust the headphone volume using the dedicated knob.

4. **Changing Frequencies During Operation:** If interference occurs, you can re-scan for a clear frequency using the "Set" button on the transmitter. The bodypacks will automatically follow the transmitter's frequency change.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from earphones	Bodypack not powered on Low or dead batteries in bodypack Earphones not connected or faulty Transmitter not powered on No audio input to transmitter Frequency mismatch	Ensure bodypack power switch is ON Replace AA batteries in bodypack Check earphone connection; try different earphones Ensure transmitter power switch is ON Verify audio source is connected and sending signal Perform frequency scan on transmitter to re-sync
Interference or static noise	Nearby wireless devices Operating too far from transmitter Weak signal due to obstacles Incorrect frequency selection	Perform an automatic frequency scan to find a clear channel Reduce distance between transmitter and receiver Ensure line of sight; avoid large metal objects Manually select a different frequency
Low volume or distorted audio	Bodypack volume too low Transmitter input level too low or too high Earphones impedance mismatch	Increase volume on bodypack receiver Adjust input level on transmitter; avoid clipping Ensure earphones are compatible (16 Ohm impedance recommended)

Problem	Possible Cause	Solution
Bodypack LCD not displaying	Dead batteries Bodypack not powered on	Replace AA batteries Ensure bodypack power switch is ON

7. SPECIFICATIONS

Feature	Detail
Model Name	RW2080
Brand	XTUGA
Connectivity Technology	Wireless (RF)
Frequency Range	572-599 MHz
Frequency Response	15 KHz
Impedance	16 Ohm
Headphones Jack	3.5 mm Jack (Bodypack), 6.5 mm Jack (Transmitter)
Control Type	Volume Control, Touch (for frequency selection)
Material	Metal (Transmitter), ABS (Bodypack)
Power Source (Bodypack)	2 AA batteries (required)
Product Dimensions	20.47 x 4.72 x 14.17 inches (Transmitter)
Item Weight	5.59 pounds
Wireless Range	Up to 300 feet (approx. 90 meters)
Number of Frequencies	2x40 adjustable frequencies

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the transmitter and bodypack receivers. Do not use liquid cleaners or solvents.
- **Battery Replacement:** Replace bodypack batteries promptly when the low battery indicator appears to ensure uninterrupted performance.
- **Storage:** When not in use for extended periods, store the system in a dry, cool place away from direct sunlight and extreme temperatures. Remove batteries from bodypacks before long-term storage.
- **Antenna Care:** Handle antennas with care to prevent bending or damage. Ensure they are securely attached during operation.

Documents - XTUGA – RW2080
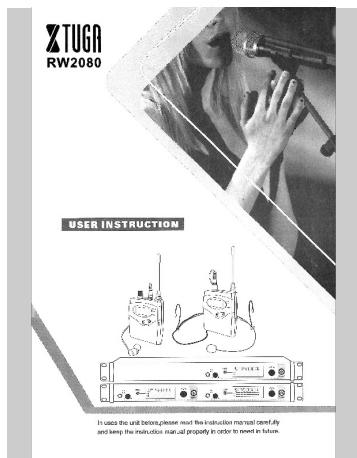
[pdf] User Manual Owner's Manual

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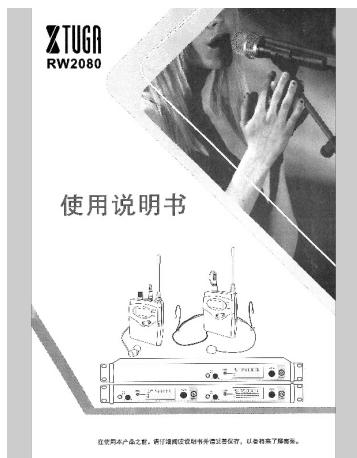
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