

## XTUGA A1

# XTUGA A1 UHF Dual Wireless Headset and Lavalier Microphone System User Manual

Model: A1

## 1. INTRODUCTION

The XTUGA A1 UHF Dual Wireless Microphone System provides clear and stable audio transmission for various applications, including public speaking, performances, and recording. This system features UHF technology for reliable signal, rechargeable bodypacks, and includes both headset and lavalier microphone options for versatile use.

### Key Features:

- UHF Technology: Ensures clear, crystal-clear sound with reduced interference.
- Extended Range: Up to 50 meters (160 feet) signal reception distance.
- Multiple Channels: 25 selectable channels to avoid signal interference.
- Rechargeable Design: USB charging for convenience, eliminating the need for AA batteries.
- Dual Microphone Options: Includes two headset microphones and two lavalier microphones.
- Durable Construction: Metal bodypack casing for enhanced durability.



Image 1.1: Overview of the XTUGA A1 UHF Dual Wireless Microphone System, showing two bodypack transmitters with headset microphones, two lavalier microphones, and a receiver with a 6.35mm jack.

## 2. PACKAGE CONTENTS

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Please verify that all items are present in your package:

- 2 x Bodypack Transmitters
- 2 x Headset Microphones
- 2 x Lavalier Microphones
- 1 x Receiver (with 6.35mm Jack)
- 1 x USB Charging Cable (not explicitly listed but implied by 'USB charging')

## 3. COMPONENT IDENTIFICATION

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Image 3.1: Detailed view of the bodypack transmitter and receiver. The bodypack features a display screen, volume up/down buttons, power button, microphone input, and antenna. The receiver includes a power button, low battery indicator, antenna, USB 5V charging port, charge status LED, and signal indicator.

### Bodypack Transmitter:

- **Display Screen:** Shows frequency and battery status.
- **Volume Buttons:** Adjusts microphone volume (Up/Down).
- **Power Button:** Turns the transmitter on/off.
- **Mic Input:** Connects headset or lavalier microphone.
- **Antenna:** For wireless signal transmission.
- **USB 5V Port:** For charging the internal battery.

### Receiver:

- **Power Button:** Turns the receiver on/off.
- **BAT LOW Indicator:** Lights up when battery is low.
- **Antenna:** For wireless signal reception.
- **USB 5V Port:** For charging the internal battery.

- **CHG LED:** Indicates charging status.
- **RF/AF Indicator:** Shows signal and audio presence.
- **Output Jack:** 6.35mm (1/4 inch) audio output for connecting to audio devices.

## 4. SETUP INSTRUCTIONS

### 4.1 Charging the Devices

Before first use, fully charge both the bodypack transmitters and the receiver. Use the provided USB charging cable to connect the devices to a 5V USB power source (e.g., wall adapter, power bank, computer USB port).

- **Charging Time:** Approximately 1 hour for a full charge.
- **Operating Time:** Up to 5 hours for one transmitter, up to 3 hours for two transmitters.



Image 4.1: Illustration of the receiver's charging port and estimated battery life for one or two transmitters.

### 4.2 Connecting Microphones to Transmitters



1. Select either a headset microphone or a lavalier microphone.
2. Insert the 3.5mm jack of the chosen microphone into the 'MIC' input port on the bodypack transmitter. Ensure it is securely connected.



Image 4.2: A person demonstrating the use of the headset microphone.



Image 4.3: A person demonstrating the use of the lavalier microphone, clipped to clothing.

### 4.3 Connecting the Receiver to an Audio Device

The receiver features a 6.35mm (1/4 inch) output jack. Connect this to an audio input on your desired device.



Image 4.4: Diagram illustrating various compatible audio devices for the receiver, including power amplifiers, mixers, desktop computers, soundbars, audio buses, and speakers. The receiver has both 6.35mm and 3.5mm output options (though the main receiver shown has 6.35mm).

Compatible devices include:

- Power Amplifiers
- Audio Mixers
- Karaoke Machines
- PA Systems
- Speakers (Note: Not recommended for small speakers under 15 watts)
- Computers (with appropriate input)
- Audio Interfaces

## 5. OPERATING INSTRUCTIONS

### 5.1 Powering On/Off

1. **Transmitter:** Press and hold the 'POWER' button on the bodypack until the display screen illuminates.
2. **Receiver:** Press and hold the 'POWER' button on the receiver until its indicators light up.

3. To power off, press and hold the 'POWER' button on each device until the indicators turn off.

## 5.2 Automatic Pairing

The XTUGA A1 system is designed for automatic pairing. Once both the transmitter(s) and receiver are powered on, they should automatically connect. The 'RF/AF' indicator on the receiver will confirm a successful connection.

## 5.3 Adjusting Frequency Channels

The system offers 25 adjustable frequency points per channel to minimize interference.



Image 5.1: Illustration showing the bodypack display with frequency information and instructions to press two keys simultaneously to change the frequency.

1. To change the frequency on a bodypack transmitter, press both the 'Volume Up' and 'Volume Down' buttons simultaneously.
2. The receiver will automatically synchronize with the new frequency.



## 5.4 Adjusting Volume

Use the 'Volume Up' and 'Volume Down' buttons on the bodypack transmitter to adjust the microphone's output volume. Further volume adjustments can be made on your connected audio device (e.g., mixer, amplifier).

## 6. MAINTENANCE AND CARE

- **Charging:** Regularly charge the devices using the provided USB cable to maintain optimal battery performance. Avoid overcharging.
- **Cleaning:** Use a soft, dry cloth to clean the devices. Do not use liquid cleaners or solvents.
- **Storage:** Store the microphone system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** The bodypack transmitters have a metal casing for durability, but they contain electronic components. Avoid dropping them from high places to prevent internal damage.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none"><li>• Transmitter or receiver not powered on.</li><li>• Low battery.</li><li>• Microphone not connected to transmitter.</li><li>• Receiver not connected to audio device.</li><li>• Volume too low.</li><li>• Incorrect frequency.</li></ul>	<ul style="list-style-type: none"><li>• Ensure both devices are powered on.</li><li>• Charge devices fully.</li><li>• Verify microphone is securely plugged into transmitter.</li><li>• Check receiver's connection to the audio device.</li><li>• Increase volume on transmitter and audio device.</li><li>• Change frequency on transmitter (press both volume buttons simultaneously).</li></ul>
Interference or static noise	<ul style="list-style-type: none"><li>• Other wireless devices operating on similar frequencies.</li><li>• Operating beyond the 50-meter range.</li><li>• Obstructions between transmitter and receiver.</li></ul>	<ul style="list-style-type: none"><li>• Change the frequency channel on the transmitter.</li><li>• Ensure line of sight between transmitter and receiver.</li><li>• Reduce distance between transmitter and receiver.</li><li>• Turn off other interfering wireless devices.</li></ul>
Short battery life	<ul style="list-style-type: none"><li>• Devices not fully charged.</li><li>• Aging battery.</li></ul>	<ul style="list-style-type: none"><li>• Ensure devices are fully charged before use.</li><li>• If battery life significantly degrades, contact customer support.</li></ul>

Problem	Possible Cause	Solution
Receiver not connecting to transmitter	<ul style="list-style-type: none"><li>• Transmitter or receiver not powered on.</li><li>• Out of range.</li><li>• Frequency mismatch.</li></ul>	<ul style="list-style-type: none"><li>• Ensure both devices are powered on.</li><li>• Bring devices closer together.</li><li>• Change frequency on transmitter to re-sync.</li></ul>

## 8. SPECIFICATIONS

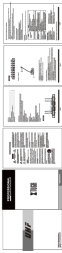

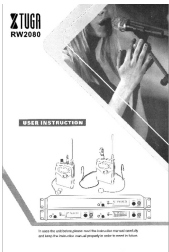

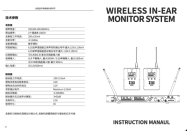

Feature	Specification
Model	A1
Brand	XTUGA
Connectivity Technology	UHF
Frequency Response	600 MHz
Number of Channels	25
Wireless Range	Up to 50 meters (160 feet)
Microphone Form Factor	Headset, Lavalier (Lapel)
Polar Pattern	Unidirectional
Impedance	600 Ohm
Connector Type	3.5 mm Jack (microphone input), 6.35 mm Jack (receiver output)
Power Source	Rechargeable Battery (USB 5V charging)
Material	Metal
Dimensions (Package)	24.6 x 23.4 x 5.9 cm
Weight (Package)	450 g
Recommended Uses	Singing, Karaoke, Videoconference, Video Games

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact XTUGA customer service directly. Keep your purchase receipt for any warranty claims.



Related Documents - A1

	<p><a href="#">XTUGA Professional Wireless Microphone System User Manual</a></p> <p>User manual for the XTUGA Professional Wireless Microphone System, detailing setup, operation, troubleshooting, and specifications for the UHF wireless microphone receiver and transmitter.</p>
	<p><a href="#">XTUGA RW2080 Wireless Ear-Monitor System User Instruction Manual</a></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><a href="#">Xtuga RW2080 Wireless Ear-Monitor System User Manual</a></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><a href="#">XTUGA SF-1 Operation Instructions: Wired to Wireless Microphone Converter</a></p> <p>Learn how to set up and operate the XTUGA SF-1 Wired to Wireless Microphone Converter. This guide covers technical parameters, signal receiver and transmitter functions, matching instructions, and FCC compliance for the SF-1 audio adapter.</p>
	<p><a href="#">XTUGA SEM200 Wireless In-Ear Monitor System User Manual</a></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><a href="#">XTUGA IEM1200 Wireless In-Ear Monitor System User Manual</a></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>