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> XTUGA UF4600 4 Channel UHF Wireless Microphone System User Manual

XTUGA UF4600

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Model: UF4600

1. INTRODUCTION

The XTUGA UF4600 is a 4-channel UHF wireless microphone system designed for clear and robust vocal reproduction. This system is suitable for various applications including karaoke, church services, weddings, DJ setups, and stage performances. It features a fixed UHF frequency design, stable transmission, automatic synchronization, and durable metal construction for reliable use.



U-F4600
WIRELESS MICROPHONE



UHF SIGNAL



FIXED FREQUENCY



AUTO PAIRING



LONG DISTANCE



LIGHTWEIGHT

2. WHAT'S IN THE BOX

Verify that all components are present in the package:

- 1 x Mini Receiver
- 4 x Wireless Handheld Microphones
- 1 x Power Adapter
- 1 x User Manual
- 1 x Cannon Cable (XLR to 1/4" TS)
- 1 x Audio Cable (1/4" TS to 1/4" TS)
- 1 x USB Line (for power)
- Antiskid Rings (for microphones)

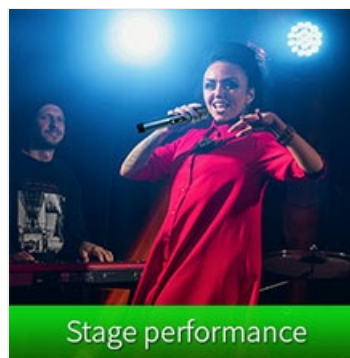


Figure 2: All components included in the XTUGA UF4600 package.

3. SETUP INSTRUCTIONS

Follow these steps to set up your XTUGA UF4600 wireless microphone system:

1. **Power Connection:** Connect the provided power adapter to the mini receiver and plug it into a power outlet. Alternatively, the receiver supports power supply from a power bank via the USB line for portable use.
2. **Receiver Power On:** Turn on the power switch on the receiver. The LED indicators for each channel (RF A, RF B, RF C, RF D) will illuminate.
3. **Microphone Power On & Pairing:** Insert 2 AA batteries (not included) into each handheld microphone. Turn on each microphone. The microphones will automatically synchronize to their assigned receiver channels. The corresponding LED indicator on the receiver will change color (e.g., from red to green) to confirm a successful connection.
4. **Audio Output Connection:** Connect the receiver's audio output (MIX OUT) to your amplifier, powered mixer, or PA system using the appropriate audio cable (Cannon cable for XLR input or 1/4" TS cable for 1/4" input).

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Video 1: Demonstrates the setup and connection process for the UF4600 wireless microphone system, including powering on the receiver, automatic microphone pairing, and connecting to an audio system.



Figure 3: The receiver can be powered by a portable power bank for convenience.

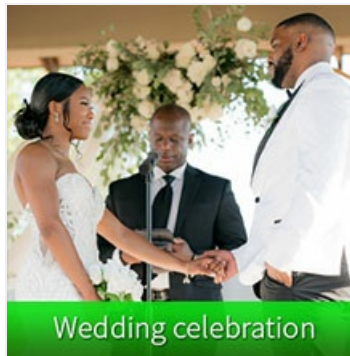


Figure 4: Automatic pairing of microphones with the receiver upon power-on.

4. OPERATING INSTRUCTIONS

4.1 Microphone Operation

- Each microphone features an LCD screen displaying channel information and battery status.
- The power switch on the microphone also controls its volume.
- The microphones utilize a cardioid pickup pattern to reduce background noise and accurately capture vocal sound.



Figure 5: Introduction to the microphone's features, including metal mesh cover, LCD screen, and battery compartment.



Figure 6: Illustration of the cardioid pickup pattern for effective sound capture and noise reduction.

4.2 Receiver Operation

- The mini receiver is compact and lightweight, making it easy to transport and set up.
- Dual rear-mounted antennas enhance signal acquisition, ensuring stable and accurate high-frequency transmission.
- The system provides a stable transmission range of up to 164 feet (50 meters) in open spaces.



Figure 7: Panel introduction showing the receiver's antennas, power indicator, signal indicators, volume/power switch, audio output, and USB power supply port.



Figure 8: The receiver's light and compact design, weighing approximately 120g.

164FT USAGE DISTANCE

Provide stronger and stable signal reception

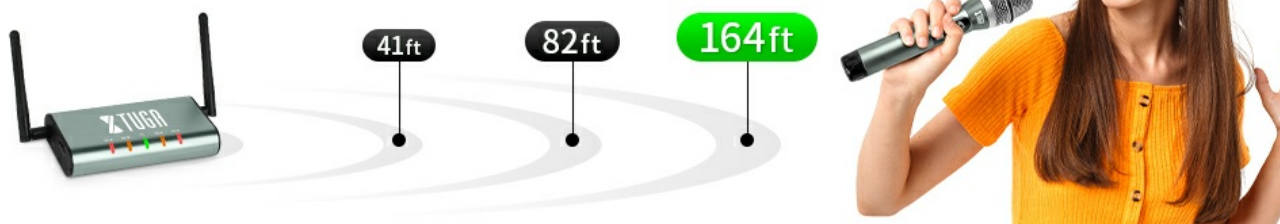


Figure 9: The system offers a stable usage distance of up to 164 feet.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphones. Avoid using liquid cleaners or solvents.
- **Storage:** When not in use for extended periods, remove batteries from the microphones to prevent leakage. Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Replacement:** Replace microphone batteries when the LCD screen indicates low power to ensure optimal performance.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Receiver not powered on; Microphones not powered on; Cables incorrectly connected; Volume too low; Receiver not paired with microphones.	Ensure receiver and microphones are powered on. Check all cable connections. Increase volume on receiver, mixer, or amplifier. Verify microphones are paired (check receiver LED indicators).
Intermittent sound or dropouts	Microphones too far from receiver; Obstructions between microphones and receiver; Low microphone battery; Interference from other wireless devices.	Reduce distance between microphones and receiver (within 164ft/50m line-of-sight). Ensure clear line of sight. Replace microphone batteries. Minimize other wireless device usage in the area.
Poor sound quality or static	Interference; Microphone not positioned correctly; Damaged cable.	Check for sources of interference. Ensure microphone is held correctly. Try a different audio cable.
Microphone not pairing	Microphone not powered on; Receiver not powered on; Battery issue.	Ensure both microphone and receiver are powered on. Replace microphone batteries. The system features auto-sync, so manual pairing is generally not required if both are on.

7. SPECIFICATIONS

- **Brand:** XTUGA
- **Model Name:** UF4600
- **Connectivity Technology:** Wireless (UHF)
- **Number of Channels:** 4

- **UHF Frequencies:** 523.80MHz, 555.80MHz, 561.40MHz, 579.30MHz (Fixed)
- **Transmission Range:** Up to 164ft (50m) line-of-sight
- **Microphone Form Factor:** Handheld
- **Polar Pattern:** Unidirectional (Cardioid)
- **Microphone Power Source:** Battery Powered (2x AA batteries per mic, not included)
- **Receiver Material:** Metal
- **Compatible Devices:** Amplifier, Powered Mixer, PA System
- **Special Features:** Lightweight, Wireless, Auto-Sync Setup

8. WARRANTY AND SUPPORT

The XTUGA UF4600 Wireless Microphone System comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. For technical support, troubleshooting assistance, or warranty claims, please contact XTUGA customer service through your retailer or the official XTUGA website. Please retain your proof of purchase for warranty validation.