

Audibax Missouri 2500 A

Audibax Missouri 2500 A Wireless Microphone System User Manual

Model: Missouri 2500 A

1. INTRODUCTION

The Audibax Missouri 2500 A is a professional VHF dual wireless microphone system designed for clear and reliable audio transmission. This system includes a receiver unit and two bodypack transmitters, compatible with both headset and lavalier microphones. It is ideal for public speaking, presentations, live performances, karaoke, and singing, offering a stable connection with a range of up to 80 meters.

Key features include a high signal-to-noise ratio of 103 dB, reception frequencies of 179.300 MHz and 188.100 MHz, and a frequency response of 40 Hz to 18 kHz. The system's dynamic cardioid microphone capsules are optimized for frontal sound capture, minimizing ambient noise.

2. SAFETY INFORMATION

- Do not expose the unit to rain or moisture to prevent fire or electric shock.
- Do not open the casing. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Use only the specified power adapter.
- Ensure proper ventilation around the receiver unit.
- Dispose of batteries responsibly according to local regulations.
- Keep the system away from strong electromagnetic fields.

3. PACKAGE CONTENTS

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

- 1x Audibax Missouri 2500 A Receiver Unit
- 2x Bodypack Transmitters
- 2x Headset Microphones
- 2x Lavalier Microphones
- 1x Power Adapter for Receiver
- 1x Audio Output Cable (XLR to 1/4" Jack)
- 1x User Manual

4. PRODUCT OVERVIEW

4.1. System Components



Figure 4.1: Complete Audibax Missouri 2500 A Wireless Microphone System.

4.2. Receiver Unit



Figure 4.2: Front Panel of the Receiver Unit.

- **Power Switch:** Turns the receiver ON/OFF.
- **Display:** Shows current channel frequencies (179.30 MHz / 188.10 MHz).
- **RF/AF Indicators:** RF (Radio Frequency) indicates signal reception from the transmitter. AF (Audio Frequency) indicates audio signal presence.
- **Volume Knobs:** Independent volume control for each microphone channel (A and B).



Figure 4.3: Rear Panel of the Receiver Unit.

- **Antenna Connectors (ANT A, ANT B):** For connecting the included antennas.
- **Balanced XLR Output:** Professional audio output for connecting to mixers or amplifiers.
- **Mixed Auxiliary Output (1/4" Jack):** Standard audio output for connecting to various audio equipment.
- **Power Input (220V-50Hz):** For connecting the power adapter.

4.3. Bodypack Transmitters





Figure 4.4: Front View of a Bodypack Transmitter.







Figure 4.5: Rear View of a Bodypack Transmitter.

- **ON/OFF/MUTE Switch:** Controls power and mutes the microphone.
- **Microphone Input Jack:** For connecting headset or lavalier microphones.
- **Battery Compartment:** Holds AA batteries (not included).
- **Belt Clip:** For attaching the transmitter to clothing.

4.4. Microphones



Figure 4.6: Headset Microphones.



Figure 4.7: Lavalier Microphones.

- **Headset Microphones:** Worn over the head, providing hands-free operation.
- **Lavalier Microphones:** Small, clip-on microphones for discreet placement on clothing.
- Both types feature dynamic cardioid capsules for focused sound pickup.

5. SETUP INSTRUCTIONS

1. **Unpack Components:** Carefully remove all items from the packaging.
2. **Connect Antennas:** Screw the two antennas onto the ANT A and ANT B connectors on the rear of the receiver unit. Ensure they are securely tightened and positioned vertically for optimal reception.
3. **Power the Receiver:** Connect the provided power adapter to the receiver's power input (220V-50Hz) and plug it into a suitable power outlet. Do not power on the receiver yet.
4. **Connect to Audio System:** Use the balanced XLR output or the mixed auxiliary (1/4" Jack) output on the receiver's rear panel to connect to your audio mixer, amplifier, or sound system.
5. **Install Batteries in Transmitters:** Open the battery compartment on each bodypack transmitter and insert two AA batteries, observing the correct polarity (+/-). Close the compartment securely.
6. **Connect Microphones to Transmitters:** Plug your chosen headset or lavalier microphone into the microphone input jack on each bodypack transmitter.

6. OPERATING INSTRUCTIONS

1. **Power On:** First, turn on your audio mixer/amplifier. Then, press the power switch on the receiver unit to turn it on. Finally, slide the ON/OFF/MUTE switch on each bodypack transmitter to the 'ON' position.
2. **Check Indicators:** Observe the RF (Radio Frequency) indicators on the receiver's front panel. They should illuminate, indicating that the receiver is receiving a signal from the transmitters.
3. **Adjust Volume:** Speak into the microphones. The AF (Audio Frequency) indicators on the receiver should light up, indicating audio signal presence. Adjust the independent volume knobs for Channel A and Channel B on the receiver to achieve the desired output level.
4. **Using the Mute Function:** To temporarily silence a microphone without turning off the transmitter, slide the ON/OFF/MUTE switch on the bodypack transmitter to the 'MUTE' position. Slide it back to 'ON' to resume audio transmission.
5. **Optimal Placement:** For headset microphones, position the boom mic approximately 2-3 cm from the corner of your mouth. For lavalier microphones, clip them to your clothing about 15-20 cm below your chin.
6. **Operating Range:** The system has an effective operating range of up to 80 meters in open, unobstructed environments. Walls, large metal objects, and other wireless devices may reduce this range.
7. **Power Off:** When finished, first slide the transmitter switches to 'OFF', then turn off the receiver, and finally turn off your audio mixer/amplifier.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the receiver and transmitters. Do not use liquid cleaners or solvents, as they may damage the finish or internal components.
- **Battery Replacement:** Replace batteries in the bodypack transmitters when the audio quality degrades or the transmitter indicator light (if present) signals low battery. Always use fresh AA batteries.
- **Storage:** When not in use for extended periods, remove batteries from the transmitters and store the system in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Antenna Care:** Handle antennas carefully to avoid bending or breaking.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Receiver not powered on Transmitter not powered on Microphone not connected to transmitter Low or dead batteries in transmitter Receiver volume too low Audio cable disconnected	Ensure receiver is plugged in and powered on Turn on transmitter (slide switch to ON) Connect microphone securely to transmitter Replace batteries in transmitter Increase receiver volume Check and secure all audio cable connections
Poor sound quality / Interference	Too far from receiver Obstacles between transmitter and receiver Interference from other wireless devices Antennas not properly positioned Low batteries	Reduce distance between transmitter and receiver Ensure clear line of sight Move away from other wireless devices (Wi-Fi, Bluetooth) Adjust antennas vertically Replace batteries
RF indicator not lighting up	Transmitter off or out of range Transmitter batteries dead	Turn on transmitter and move closer to receiver Replace transmitter batteries
AF indicator not lighting up	Microphone muted or disconnected No sound input to microphone	Check transmitter mute switch and microphone connection Ensure sound source is present and microphone is picking it up

9. SPECIFICATIONS

Feature	Specification
Model Name	Missouri 2500 A
Manufacturer	Audibax
Microphone Form Factor	Lavalier, Headset
Polar Pattern	Unidirectional (Cardioid)
Connectivity Technology	Auxiliary, XLR (Wireless VHF)
Receiver Frequencies	179.300 MHz / 188.100 MHz
Frequency Response	40 Hz - 18 KHz
Audio Sensitivity	105 dB
Signal/Noise Ratio	103 dB





Feature	Specification
Impedance	3000 ohms
Power Source	Battery Powered (AA for transmitters)
Dimensions (L x W x H)	39 x 30 x 8 cm (Receiver)
UPC	656272950385
Special Features	Diversified antennas, Dynamic cardioid microphone capsule system
Recommended Uses	Public speaking, Presentations, Live performances, Karaoke, Singing

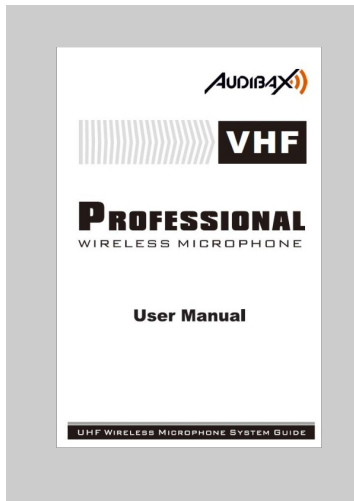
10. WARRANTY AND SUPPORT

Audibax products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official Audibax website. Keep your proof of purchase for any warranty claims.



Related Documents

	802 FX / 1002 FX Professional Mixer User Manual User manual for the 802 FX / 1002 FX Professional Mixer, detailing controls, connections, specifications, and applications for live sound and studio recording.
	Audibax Denver 12/15 PA Active Speaker User Manual Comprehensive user manual for the Audibax Denver 12 and Denver 15 portable PA active speakers, detailing features, specifications, safety instructions, panel controls, and disposal information.
	Audibax DSP Series Professional Active Speakers User Manual Comprehensive user manual for Audibax DSP8, DSP10, DSP12, and DSP15 professional active speakers with DSP and Bluetooth. Covers safety instructions, product description, functions, DSP operation, balanced XLR connections, and disposal guidelines.
	Audibax Event 18 RGBWAUV LED Battery Par Light User Manual Comprehensive user manual for the Audibax Event 18, a 3x 6W RGBWAUV LED battery-powered par light. Features include DMX512 control, wireless DMX, RF remote control, sound-active mode, and rechargeable battery operation.



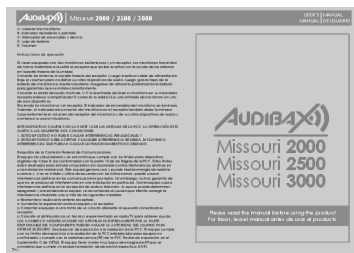
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Laura Villar Manual instrucciones Audibax Missouri 2500 B Micrófono inalámbrico Profesional

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Instrucciones de uso El producto está equipado con dos micrófonos inalámbricos y un receptor. Los micrófonos transmiten la señal inalámbrica al receptor, que la recibe gracias a las antenas con las que está equipada la unidad. Conecte las antenas a la parte posterior del receptor e inserte el cable de cor...

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Missouri 2000 / 2500 / 3000 A: cabezal de micrófono B: indicador de batería o pantalla

C: Interruptor de encendido y silencio D: caja de batería E: Volumen Instrucciones de operación El viene equipado con dos micrófonos inalámbricos y un receptor. Los micrófonos transmiten de forma inalámbrica la señal al re...

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