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LEKATO BKW-12

LEKATO BKW-12 Professional UHF Dual Handheld Wireless Microphone System User Manual

Model: BKW-12

1. Introduction

Thank you for choosing the LEKATO BKW-12 Professional UHF Dual Handheld Wireless Microphone System. This system is designed to provide clear, stable, and high-quality audio transmission for various applications, including singing, public speaking, and performances. This manual provides detailed instructions for proper setup, operation, and maintenance to ensure optimal performance and longevity of your device.



The LEKATO BKW-12 Wireless Microphone System, featuring two handheld microphones and a receiver unit.

2. Package Contents

Please check the package carefully to ensure all items are present:

- 1 x UHF Wireless Receiver

- 2 x Handheld Wireless Microphones
- 1 x Power Adapter for Receiver
- 1 x 6.35mm Audio Cable (TRS)
- 2 x Anti-roll Rings for Microphones
- 1 x User Manual (this document)

3. Product Components

3.1. Receiver Unit

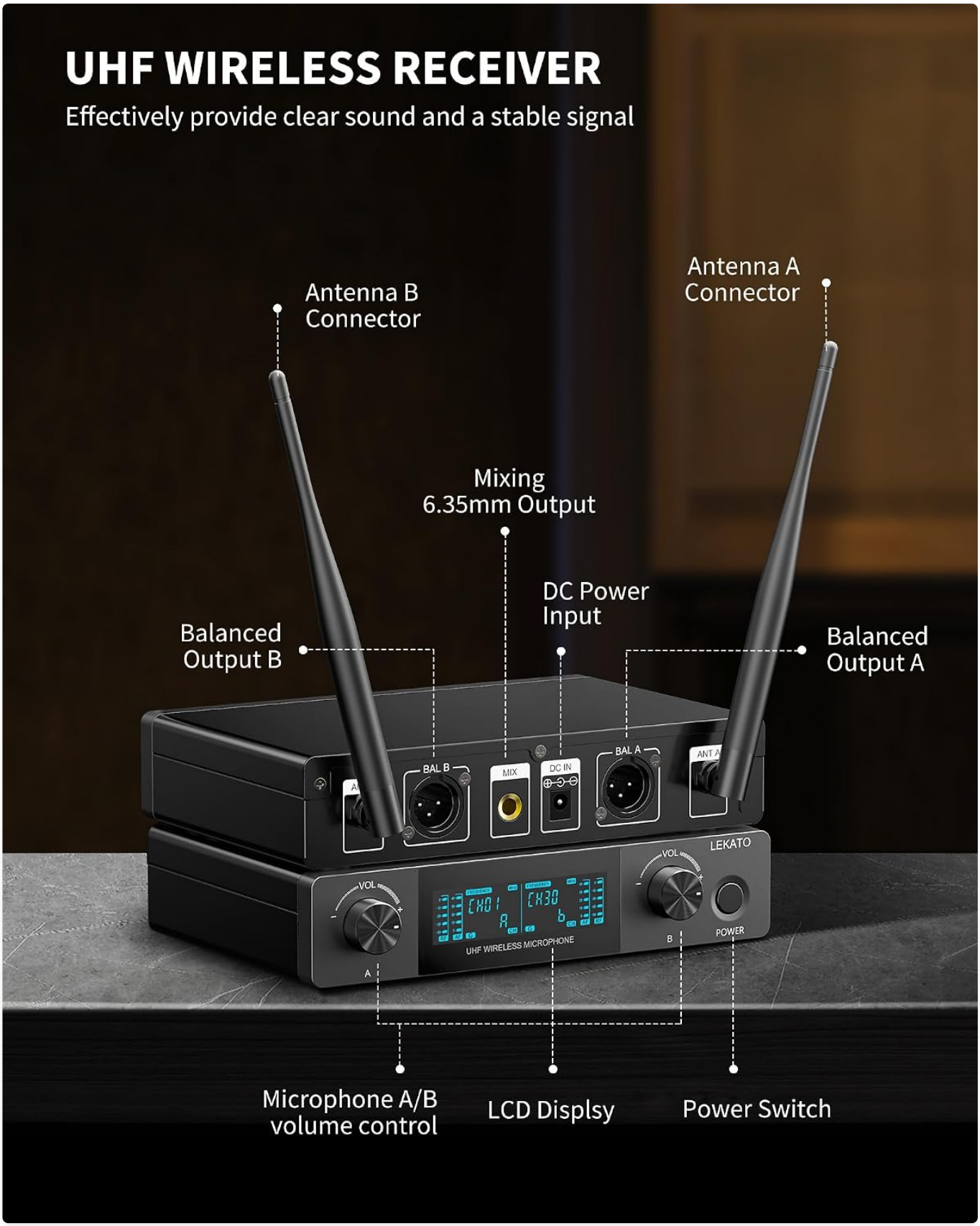
The receiver unit processes the wireless signals from the microphones and outputs the audio. It features controls for each microphone and various connection ports.



Front panel of the receiver unit, showing volume controls, LCD display, and power button.

- **Volume Control Knobs (A/B):** Adjusts the output volume for Microphone A and Microphone B independently.
- **LCD Display:** Shows channel information, frequency, signal strength, and battery level for both microphones.
- **Power Switch:** Turns the receiver unit on or off.

- **Antennas:** Two external antennas for stable signal reception.



Rear panel of the receiver unit, illustrating the various audio output and power input ports.

- **DC Power Input:** Connects to the provided power adapter.
- **6.35mm Mixing Output:** Combines audio from both microphones into a single output.
- **Balanced Output A (XLR):** Dedicated XLR output for Microphone A.
- **Balanced Output B (XLR):** Dedicated XLR output for Microphone B.

3.2. Handheld Microphones

The system includes two durable metal handheld microphones with integrated displays and adjustable frequencies.



Detailed view of a handheld microphone, highlighting its metal mesh cover, LED display, and robust metal shell.

- **Metal Mesh Cover:** Protects the microphone capsule and reduces handling noise.
- **LED Display Screen:** Shows current channel, frequency, and battery status.
- **Power/Frequency Button:** Press to power on/off, short press to change frequency.

- **Battery Compartment:** Located at the bottom of the microphone, holds two AA batteries.

4. Setup Instructions

Follow these steps to set up your LEKATO BKW-12 wireless microphone system:

1. **Battery Installation for Microphones:**
   Unscrew the bottom part of each handheld microphone to reveal the battery compartment. Insert two AA batteries into each microphone, ensuring correct polarity (+/-). Screw the bottom part back on securely.



Illustration of battery installation in the handheld microphones. Each microphone requires two AA batteries (not included).

2. **Receiver Power Connection:**
   Connect the provided power adapter to the DC Power Input port on the rear of the receiver unit. Plug the power adapter into a standard electrical outlet.

3. **Audio Output Connection:**
   Connect the receiver to your audio system (amplifier, mixer, or speakers) using either the 6.35mm mixed output or the individual XLR balanced outputs.

   - **Using 6.35mm Output:** Connect one end of the 6.35mm audio cable to the "Mixing 6.35mm Output" port on the receiver and the other end to the "MIC IN" or "AUDIO IN" port on your amplifier or speaker. Ensure the cable is fully inserted.



Connection diagram for the 6.35mm mixed output to an audio amplifier and speakers.

   - **Using XLR Outputs:** For professional setups, connect XLR cables (not included) from "Balanced Output A" and "Balanced Output B" on the receiver to the corresponding XLR input channels on your audio mixer.



Connection diagram for individual XLR outputs to an audio mixer and stage speakers.

4. **Power On:**
   Turn on the receiver unit using its power switch. Then, press and hold the power button on each microphone until its display illuminates.

5. **Automatic Pairing:**
   The microphones and receiver are designed for automatic pairing. Once both are powered on, they should connect

wirelessly within a few seconds. The receiver's LCD display will show the active channels and signal strength.

6. **Adjusting Microphone Frequency (if needed):**
   Each microphone offers 15 adjustable UHF channels to avoid interference. If you experience signal issues or interference, you can change the microphone's frequency. With the microphone powered on, short press the power/frequency button to cycle through the available channels. The display will update to show the new channel. The receiver will automatically sync to the new frequency.



The power/frequency button on the microphone, used to cycle through available channels.

5. Operating Instructions

- **Volume Control:**
  Adjust the individual volume knobs (VOL A and VOL B) on the receiver to set the desired output level for each microphone. You may also need to adjust the volume on your connected amplifier or mixer.



The receiver features independent volume controls for Microphone A and Microphone B.

- **Microphone Usage:**
  Hold the microphone approximately 2-6 inches from your mouth for optimal sound pickup. Avoid covering the microphone grille with your hand, as this can affect sound quality and signal reception. The system offers a transmission range of up to 200 feet (60 meters) in open areas.
- **Power Off:**
  After use, press and hold the power button on each microphone to turn them off. Then, turn off the receiver unit

using its power switch. Disconnect the power adapter from the outlet.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the microphones and receiver. Do not use liquid cleaners or abrasive materials.
- **Battery Care:** Remove batteries from the microphones if they will not be used for an extended period to prevent leakage. Replace batteries when the low battery indicator appears on the microphone's display.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the microphones or receiver, as this can cause internal damage.

7. Troubleshooting

If you encounter issues with your LEKATO BKW-12 system, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
No sound output	• Microphone or receiver not powered on. • Low microphone battery. • Incorrect cable connection. • Volume levels too low. • Receiver not connected to audio system.	• Ensure both microphones and receiver are powered on. • Replace microphone batteries. • Check all audio cables are securely connected to the correct ports. • Increase volume on receiver and connected audio system. • Verify the receiver is properly connected to an amplifier or mixer.
Interference or static noise	• Other wireless devices operating on similar frequencies. • Obstacles blocking signal. • Microphone and receiver on different channels.	• Change the microphone's frequency (refer to Section 4.6). • Ensure a clear line of sight between microphones and receiver. • Move away from other electronic devices that may cause interference. • Confirm microphone and receiver are on the same channel (automatic pairing usually handles this).
Short transmission range	• Obstacles blocking signal. • Environmental interference. • Low microphone battery.	• Ensure a clear line of sight between microphones and receiver. • Avoid using the system near large metal objects or thick walls. • Replace microphone batteries.

Problem	Possible Cause	Solution
Microphone display is dim or off	• Low battery. • Microphone not powered on.	• Replace microphone batteries. • Press and hold the power button to turn on the microphone.

8. Specifications

Feature	Specification
Model	BKW-12
Transmission Range	Up to 200 feet (60 meters)
Frequency Band	UHF
Adjustable Channels	15 per microphone (A/B)
Microphone Type	Dynamic
Microphone Power	2 x AA batteries (per microphone, not included)
Receiver Outputs	6.35mm Mixed Output, 2 x XLR Balanced Outputs (A & B)
Item Weight	3.31 pounds (total system)
Product Dimensions	11.42 x 7.87 x 4.53 inches
Date First Available	March 7, 2024

9. Warranty and Support

LEKATO products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your purchase or contact LEKATO customer support directly. If you have any questions or require technical assistance, please reach out to our support team through the official LEKATO website or your retailer. Please retain your proof of purchase for any warranty claims.

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