WIRELESS UHF MICROPHONE SYSTEM

Model 3202722

USER MANUAL

Thank you

Thank you for choosing our Radioshack DUAL UHF WIRELESS MICROPHONE SYSTEM 3202722. We hope you enjoy excellent performance and seamless wireless sound experience. Please read this manual carefully to understand the features, operation, and maintenance of your device.

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1. Performance and Features

- Operates in UHF 479.0-508.7MHz with 100 channels
- High anti-interference capability.
- High-performance 24-bit ADC/DAC with 48 kHz sampling rate.
- Automatic frequency search and IR matching for quick setup.
- Self-impact elimination circuit to reduce noise during power cycles.
- LED display on handheld microphone shows current frequency.
- Transmission distance up to 50 meters.
- Simple interface minimizes operational errors.
- Real-time power and voltage detection on transmitter and receiver.
- High sensitivity for clear, natural sound.
- Multiple output options including microphone mix and line out.

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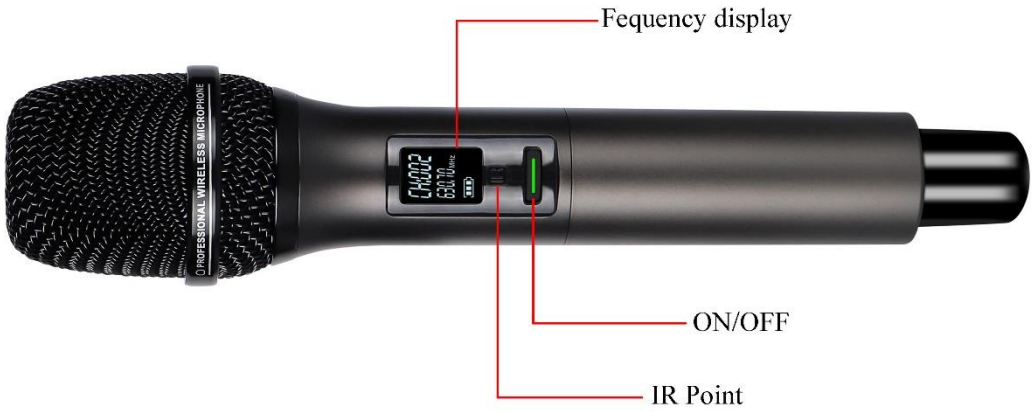
2. Technical Specifications

Transmitter:

- Frequency range: 479.0-508.7MHz
- 50 frequency points per channel.
- Oscillation mode: DSP chip frequency locking.
- Frequency stability: ±10 ppm.
- RF power: 10 dBm.
- Audio response: 40-18000 Hz.
- Distortion: ≤ 0.5%.
- Power source: 1.5V AA battery.



Receiver:

- Frequency range: 479.0-508.7MHz
- 50 frequency points per channel.
- Oscillation mode: DSP chip frequency locking.
- Frequency stability: ±10 ppm.
- RF power: 10 dBm.
- Audio response: 40-18000 Hz.
- Distortion: ≤ 0.5%.
- With the capacity to handle two microphones and offering additional output options.

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3. Operation Instructions

Power On/Off

- To turn on: Long press the power button.
- To turn off: Long press the power button for approximately 2 seconds.

Frequency Matching (Infrared IR)

1. Set desired frequency on receiver using Frequency adjust button.
2. Aligning transmitter's IR point with the receiver's IR point at approximately ≤ 30cm distance.
3. Short press receiver’s SET button to perform IR matching.
4. Successful matching is indicated by the same frequency shown both at transmitter and receiver LED display.

Automatic Interference-free Frequency Search

1. Hold the receiver’s SET button for 2 seconds.
2. The system searches for an interference-free frequency automatically and stops at the optimal point.
3. Follow the above “Frequency matching(Infrared IR)” steps to finalize setup.

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4. Troubleshooting Guide

Simpthom	Possible Cause	Solution
No sound	Battery dead/out of power, incorrect frequency	Replace batteries, re-match frequency, check connections
Interference or noise	Interference on selected channel	Use automatic search or manually select a clear frequency
Transmission distance short	Obstruction or interference	Clear line of sight, reduce obstacles, relocate transmitter/receiver
Device won't turn on	Power failure	Check batteries, ensure power button is functioning

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5. Safety Instructions

- Do not expose the device to water or moisture.
- Avoid dropping or severe impacts.
- Use only specified batteries and dispose of used batteries responsibly.
- Keep away from small children.
- Turn off the device when not in use to conserve battery.

6. FCC Part 15 Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.

Thank you for your trust and support! Enjoy your wireless microphone system.
