

ROCKVILLE



RWM90U

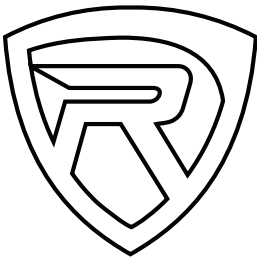
High Performance Quad Wireless Microphone System

OWNER'S MANUAL

ROCKVILLE

Thank you for purchasing this Rockville RWM90U UHF Quad Wireless Microphone System.

Please read this owner's manual carefully for proper use of your Rockville RWM90U UHF Quad Wireless Microphone System. Should you need technical assistance please call our technical help line at 1-646-758-0144, Monday through Friday, 9am to 5pm EST.



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FEATURES

- High performance wireless microphone system
- Includes transmitter with 4 high sensitivity, unidirectional, wireless, handheld cardioid microphones
- High sensitivity, unidirectional, wireless cardioid microphones
- Color coded microphones
- Featuring a dual filter design to limit feedback and interference
- Ultra signal stability eliminates unwanted distortion
- Professional receiver with a multifunction display shows frequency, signal synch, and audio input
- Transmitter automatically links to receiver for ease of use
- Individual microphone volume controls
- Rugged metal housing
- Comfortable ergonomic composite microphone construction
- Low power consumption for longer battery life

SPECIFICATIONS

Operating Range: 300' – 400' (indoor), 250' – 350' (outdoor)

Channels: 4

Operating Frequency: 467.9MHz – 490.7MHz

Frequency Response: 50Hz – 15KHz (± 3 dB)

Frequency Stability: $\pm 0.005\%$

Dynamic Range: 105dB

Signal-to-Noise Ratio: 100dB

T.H.D.: $< 0.5\%$ (1KHz)

RF Output Power: 10mW

Output Level: 0 – 300mV

Modulation Mode: UHF

Oscillation Mode: Quartz crystal

Audio Outputs: (4) XLR balanced & (1) 1/4" mixed

Mic Battery Operating Time: Up to 10 hours

Operating Temperature: 3°F – 130°F

Power Voltage: AC 110/220V – 50/60Hz

Receiver (Front)

- a. Antenna A: MIC A
- b. Antenna B: MIC B
- c. Antenna C: MIC C
- d. Antenna D: MIC D
- e. MIC A Volume adjustment knob
- f. MIC B Volume adjustment knob
- g. RF signal LED indicator
- h. LCD Display: shows AF/RF signal strength, frequency, and channel
- i. AF signal LED indicator
- j. MIC C Volume adjustment knob
- k. MIC D Volume adjustment knob
- l. Power button



Receiver (Back)

- a. Antenna A: MIC A
- b. Antenna B: MIC B
- c. Antenna C: MIC C
- d. Antenna D: MIC D
- e. MIC A XLR Balanced audio out
- f. MIC B XLR Balanced audio out/squelch control (to reduce background noise)
- g. Power input
- h. MIC C XLR Balanced audio out/squelch control (to reduce background noise)
- i. 1/4" TRS Mix out
- j. MIC D XLR Balanced audio out/squelch control (to reduce background noise)



Microphones

- a. Microphone windscreen
- b. Power LED indicator
- c. Power on/off switch
- d. Battery compartment



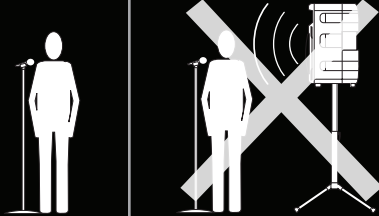
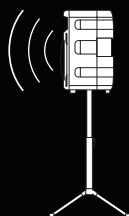
Setup and Operation

For best performance of the wireless microphone system you should make sure that you run the cable from the receiver output (XLR or 1/4" output) into a microphone input on a powered speaker or mixing board. If you run it right into a line level input then the audio volume level output of the microphone(s) will drop significantly. Most mixers and powered speakers have both a Microphone input and a line level input.

- The receiver should be placed in an area that is stable and least likely to shake the unit.
- The receiver should be at least 3' off the ground for optimal transmission.
- Connect the antenna, balanced cable AF line, and power supply provided.
- The antenna should extend vertically.
- Switch on the receiver.
- While the receiver is in stand-by, switch on the microphones.
- Adjust volume as necessary.

Tip:

To minimize feedback avoid operating the microphones in close proximity of or in front of speakers.



Problem	Solution
No sound or faint sound	<ul style="list-style-type: none">• Verify all sound system connections or adjust channel volume as needed.• Verify that the receiver is connected to the mixer/ amplifier.
	<ul style="list-style-type: none">• Turn on microphone.• Make sure the batteries are installed correctly.• Charge or change battery.
	<ul style="list-style-type: none">• Make sure AC adapter is securely plugged into electrical outlet.• Make sure receiver is powered on.
Audio artifacts or dropouts	<ul style="list-style-type: none">• Identify nearby sources of interference (cell phones, Wi-Fi access points, signal processor, etc...) and shutdown or remove source.• Change microphone battery.• System must be set up within recommended range and receiver kept away from metallic surfaces.• Microphone must be used in line of sight from receiver for optimal sound.
Distortion	Reduce microphone channel volume.
Sound level variations when switching to different sources	Adjust microphone volume as necessary.

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

Address: 600 Bayview Ave,
Entrance A,
Inwood, NY 11096

Hereby declares that the product Rockville RWM90U UHF quad wireless microphone kit complies with FCC rules as mentioned in the following paragraph:

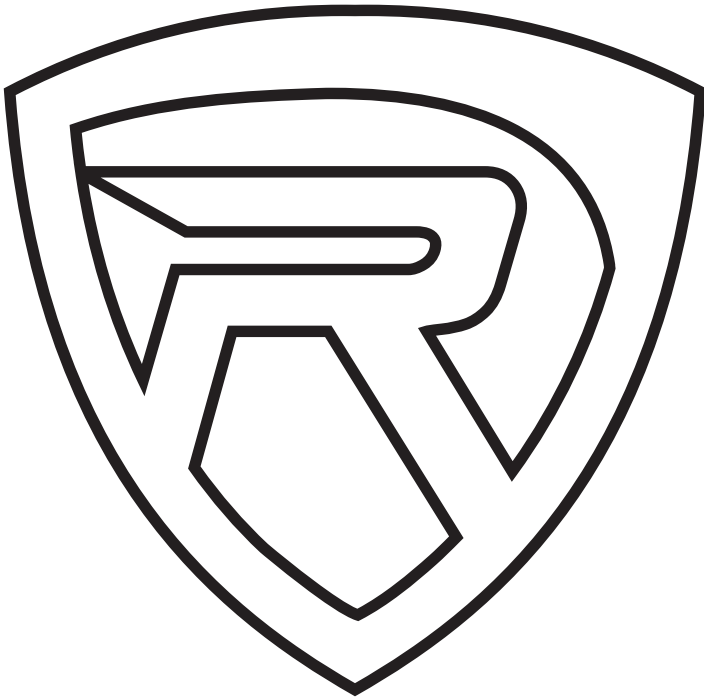
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: 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.

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