

ROCKVILLE



RWM65U

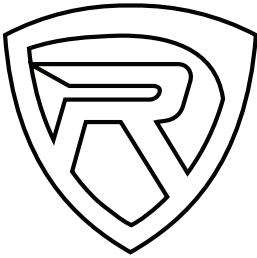
Dual Wireless UHF Microphone System

OWNER'S MANUAL

ROCKVILLE

Thank you for purchasing this Rockville RWM65U Dual Wireless UHF Microphone System.

Please read this owner's manual carefully for proper use of your Rockville Wireless UHF 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.



ROCKVILLE

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Specs

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

Channel: 15 channels x2

Frequency Range: 517MHz – 575MHz

Frequency Stability: $\pm 0.005\%$

Modulation Mode: UHF

Frequency Response: 50Hz – 16KHz(± 3 dB)

Dynamic Range: 100dB

S/N: 90dB

T.H.D: $< 0.1\%$ (1KHz)

Audio Output Impedance: 600 Ω

System Distortion: $\leq 0.5\%$

Sensitivity: $< 2\mu V$

Maximum Deviation Range: ± 25 KHz

Oscillation Mode: Quartz Crystal

Audio Output Jack: (2) XLR balanced & (1) mixed 1/4" TRS

Power Voltage: AC110V-240V 50/60Hz

Operating Temperature: 23°F – 104°F

Mic Battery Operating Time: up to 8 hours

Includes:

- Metal Receiver with LED display
- 2 metal hand-held mics with LED display
- 1/4" to 1/4" Audio output cable
- AC adapter with 5 foot cable
- 2 antennas
- 4 AA batteries
- Owner's manual
- Warranty card

*Operating range is subject to environmental conditions. Results may vary.

Receiver (Front)

- a. Antenna
- b. Volume/Frequency controls
 - Press the SET button. Use the VOL+ and VOL- buttons to set volume.
 - Press the FREQ UP and FREQ DOWN buttons simultaneously to enter the frequency adjustment mode (red key icon will appear on screen). Use the same buttons to adjust the frequencies as needed. At the same time, press the frequency adjustment button on the microphone to match the receiver frequency (see item “e” on the following page). Simultaneously press the FREQ UP and FREQ DOWN buttons to exit the Frequency adjustment mode (red key icon will disappear).
- Please note:** Do not press and hold the FREQ UP and FREQ DOWN buttons simultaneously
- c. LCD Display: shows frequency, channel, signal strength, and mic status.
- d. Power on/off



Receiver (Back)

- a. Antenna B
- b. Mic B XLR out
- c. 1/4" TRS Mix out
- d. Mic A XLR out
- e. Power input
- f. Antenna A



Microphone

- a. Microphone windscreen
- b. LCD Display: shows frequency, channel, and battery status. Battery icon will flash when battery is low.
- c. Power on/off
- d. Battery compartment
- e. Frequency adjustment button: While the receiver is on, press this button to adjust both the microphone's and the receiver's frequency.

Please note: only adjust microphone frequency while the receiver is in frequency adjustment mode.



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.

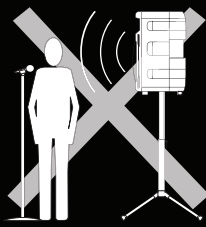
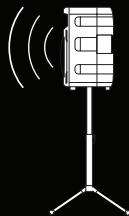
- The receiver should be placed in an area that is stable and least likely to shake the unit.
- The receiver should be at least 3' off the ground for optimal transmission.
- Connect the antenna, balanced cable AF line, and power supply provided.
- The antenna should extend vertically.
- Switch on the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

Please note: while the receiver is on stand-by mode, the **FREQ** icon will be visible on the LCD screen. If you do not see the **FREQ** icon, please perform the following procedure:

1. Turn off the receiver and the microphone.
2. Press and hold the frequency adjustment button.
3. While holding the frequency adjustment button, press and hold the power button. Continue to hold both buttons until the microphone LCD screen flickers.
4. Turn the receiver on and press the frequency adjustment button on the microphone. The **FREQ** icon should reappear on the receiver's LCD screen.

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"> • Change receiver and microphone to a different group and/or channel. • Identify nearby sources of interference (cell phones, Wi-Fi access points, signal processor, etc...) and shutdown or remove source. • Charge or 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.
Transmitter information does not appear on the Receiver LCD	Microphone is off.

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RockvilleAudio.com

Due to constant improvements, these specifications are subject to
change without notice.

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