

ROCKVILLE

RWM-66

6-Mic Adjustable Frequency Wireless
UHF Microphone System

OWNER'S MANUAL

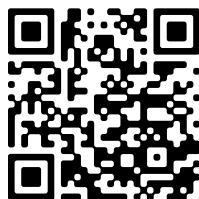
ATTENTION:
WATCH THIS VIDEO BEFORE FIRST USE!

Who reads manuals?

Scan the **QR code** or go to **rockvillesupport.com/rwm66** to access how-to video(s), the owner's manual, and other important information you may need to get the most out of your item.

If you prefer written instructions, please read ahead!

With Rockville you get many options.



Missing items? If you ordered a bundle that includes more than one product and you are missing part of your bundle then it just means your order shipped from two different warehouses. You will receive the remaining items very soon. If you have any concerns or inquiries, feel free to call our customer support center at 1-646-758-0144, 24 hours a day/7 days a week.



Thank you for purchasing this Rockville RWM-66 Wireless Microphone System. Please read this owner's manual carefully for proper use of your wireless microphone system. Should you need assistance, please call our technical help line at 1-646-758-0144, 24 hours a day/7 days a week.

INCLUDES

- Full metal rack mount receiver with LCD display
- (6) Handheld metal microphones with digital display
- (3) antennas
- (12) AA batteries
- 6 foot ¼" to ¼" cable (connects mic receiver to mixer or speaker)
- 5 foot power adapter
- manual
- warranty card

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Specs

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

Channel: 8 x 6 channel selection

Frequency Range: 500MHz – 599MHz

Frequency Stability: $\pm 0.005\%$

Modulation Mode: UHF

Frequency Response: 50Hz – 20kHz ($\pm 3\text{dB}$)

Dynamic Range: 96dB

S/N: 92dB

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

Delay: $< 3.0\text{ms}$

Transmitter Power: 10mW

Receiver Sensitivity: -96dB

Audio Outputs: XLR balanced + $\frac{1}{4}$ " unbalanced

Power Voltage: AC110V – 240V 50/60Hz

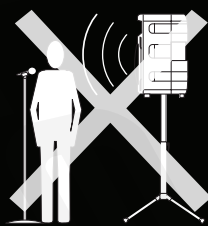
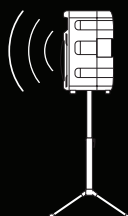
Operating Temperature: 14°F – 122°F

Mic Battery Operating Time: up to 10 hours

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

Tip:

To minimize feed-back, avoid operating the microphones in close proximity of or in front of speakers.



Receiver (Front)

- a. Antennas
- b. Channel 1 LCD display
- c. Channel 1 volume control knob
- d. Channel 2 LCD display
- e. Channel 2 volume control knob
- f. Channel 3 LCD display
- g. Channel 3 volume control knob
- h. Channel 4 LCD display
- i. Channel 4 volume control knob
- j. Channel 5 LCD display
- k. Channel 5 volume control knob
- l. Channel 6 LCD display
- m. Channel 6 volume control knob



Receiver (Back)

- a. Power switch
- b. DC 12V power input
- c. Channel 5 & 6 antenna port
- d. Unbalanced 1/4" mix out: outputs mix of all mic channels
- e. Balanced XLR mix out: outputs mix of all mic channels
- f. Channel 6 balanced XLR output
- g. Channel 5 balanced XLR output
- h. Channel 3 & 4 antenna port
- i. Channel 4 balanced XLR output
- j. Channel 3 balanced XLR output
- k. Channel 2 balanced XLR output
- l. Channel 1 balanced XLR output
- m. Channel 1 & 2 antenna port



Microphone

- a. Microphone windscreen
- b. Digital screen: displays channel frequency and battery level
- c. Power on/off button: Press and hold for 2 seconds to power on or off. While the mic is powered on, press quickly to mute or unmute.
- 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.



LCD Displays

- a. Mic Group ID
- b. Channel number
- c. Radio frequency (RF): Shows the strength of the signal between the mic and the receiver.
- d. Audio frequency (AF): Shows the audio level output of the mic.
- e. Mic frequency
- f. Mic battery level
- g. Mic frequency

Receiver Display



Mic Display



Setup and Operation

- Plug in the power supply and turn on the receiver.
- The receiver should be at least 3' off the ground for optimal transmission.
- Connect the antennas.
- The antennas should extend vertically.
- Depending on your setup, connect the appropriate outputs.
- Make sure the microphone battery is properly inserted and the base is secure.
- Turn on the microphone. It should automatically connect to the receiver.
- Adjust channel volume as necessary.

| 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"> • Verify your mics are turned on. • Make sure the mic is not muted. • Make sure the batteries are installed correctly. • Change the battery if necessary. |
| | <ul style="list-style-type: none"> • Make sure AC adapter is securely connected to the unit and to the electrical outlet. • Make sure receiver is powered on. |
| Audio artifacts or dropouts | <ul style="list-style-type: none"> • Change receiver and mic to a different frequency. • Identify nearby sources of interference (cell phones, Wi-Fi access points, signal processor, etc.) and shutdown or remove source. • Change the microphones' batteries. • System must be set up within recommended range and receiver kept away from metallic surfaces. • Microphone must be used in receiver's line of sight for optimal sound. |
| Distortion | <ul style="list-style-type: none"> • Reduce microphone channel volume. • Reduce mixer's input gain and 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 RWM-66 UHF 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 to 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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RockvilleAudio.com