

# ROCKVILLE

## RWM23UA

UHF WIRELESS PRO RACK MOUNT DUAL  
MICROPHONE SYSTEM/20 CHANNEL

### OWNER'S MANUAL

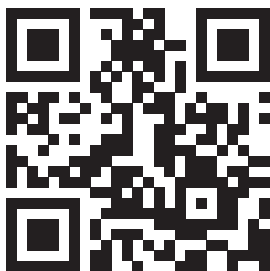
**ATTENTION:**  
**WATCH THIS VIDEO BEFORE FIRST USE!**

#### *Who reads manuals?*

Scan the **QR code** or go to **rockvillesupport.com/rwm23ua** 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 RWM23UA 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**

- (2) microphones
- Full metal rack mount receiver with rack ears
- 1/4" to 1/4" cable (connects mic receiver to mixer or speaker)
- AC power adapter (w/5 ft. cord)
- (4) AA batteries
- (2) antennas
- manual
- warranty card

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## Specs

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

**Channel:** 20 x 2 channel selection

**Frequency Range:** 500MHz – 599MHz

**Frequency Stability:**  $\pm 0.005\%$

**Modulation Mode:** UHF

**Frequency Response:** 50Hz – 20kHz ( $\pm 3$  dB)

**Dynamic Range:** 96dB

**S/N:** 92dB

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

**Audio Output:** XLR balanced + 1/4" unbalanced

**Power Voltage:** AC110V/240V~50/60Hz

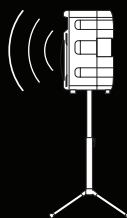
**Operating Temperature:** 14°F – 122°F

**Mic Battery Operating Time:** up to 10 hours

**Includes:** RWM23UA transmitter with (2) hand held microphones, power cable, user manual, and warranty card

### Tip:

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



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

## Receiver (Front)

- a. Antenna
- b. Channel A LCD display
- c. Channel A volume control knob
- d. Channel B LCD display
- e. Channel B volume control knob
- f. Power on/off



## Receiver (Back)

- a. Antenna ports
- b. DC 12V Power input
- c. 1/4" Mix out: outputs a mix of both channels
- d. XLR Mix out: outputs a mix of both channels
- e. Channel B Balanced XLR output
- f. Channel A Balanced XLR output



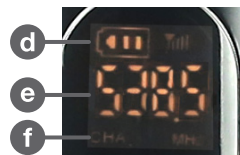
## Microphone

- a. Microphone windscreen
- b. LCD screen displays channel frequency and battery level
- c. Frequency button: Press this button to switch the mic's frequency
- d. Power on/off button: Press and hold for 2 – 3 seconds to power on or off.
- e. Battery compartment



## LCD Displays

- a. Radio frequency (RF) strength
- b. Audio frequency (AF) strength
- c. Channel frequency
- d. Mic battery level indicator
- e. Mic frequency
- f. Mic channel



## 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 set-up, 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.
- If necessary, use the frequency button on the mic to change its frequency.
- Adjust channel volume as necessary.

**If you are using two or more sets of this unit, follow these steps.**

- Plug in the power supply of the receiver. Turn on the receiver and the handhelds.
- Remove the batteries from the handheld and then reload the batteries.
- Press and hold the SET button for 3-4 seconds until the handheld's LCD flickers (you can do this on all handhelds at the same time)
- Unplug the receiver's AC power adapter (do not press the POWER button to turn off the unit.) Immediately plug the power adapter back.
- The receiver's LCD will read PAIRED. Now, press the handheld's SET button once (do not hold the SET button down) The handheld's LCD will stop flickering. The mic is now PAIRED with the receiver.
- Press the power button on the handheld to turn it off and then turn it back on again. This action will lock the unit's current configuration.
- Repeat these steps for all the other units being used.

Problem	Solution
No sound or faint sound	<ul style="list-style-type: none"> <li>• Verify all sound system connections or adjust channel volume as needed.</li> <li>• Verify that the receiver is connected to the mixer/amplifier.</li> </ul>
	<ul style="list-style-type: none"> <li>• Verify your mics are turned on.</li> <li>• Check the mics frequency and adjust if necessary (see page 3).</li> <li>• Make sure the batteries are installed correctly.</li> <li>• Change the battery if necessary.</li> </ul>
	<ul style="list-style-type: none"> <li>• Make sure AC adapter is securely connected to the unit and to the electrical outlet.</li> <li>• Make sure receiver is powered on.</li> </ul>
Audio artifacts or dropouts	<ul style="list-style-type: none"> <li>• Change receiver and mic to a different channel.</li> <li>• Identify nearby sources of interference (cell phones, Wi-Fi access points, signal processor, etc...) and shutdown or remove source.</li> <li>• Change the microphones' batteries.</li> <li>• System must be set up within recommended range and receiver kept away from metallic surfaces.</li> <li>• Microphone must be used in line of sight from receiver for optimal sound.</li> </ul>
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. Please turn it on.

## FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

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

Hereby declares that the product Rockville RWM23UA 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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