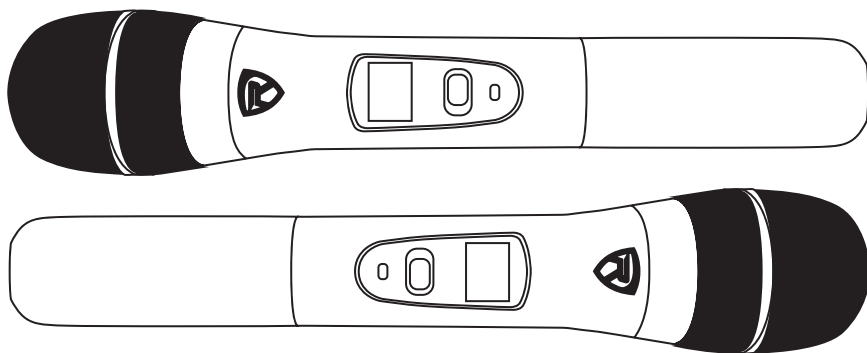
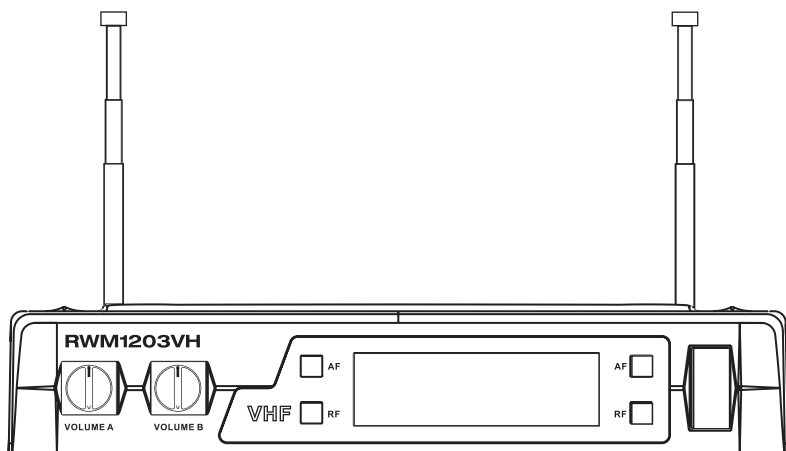


# ROCKVILLE



OWNER'S MANUAL

## RWM1203VH

VHF DUAL CHANNEL HANDHELD WIRELESS MICROPHONE SYSTEM

### *Who reads manuals?*

Instead, go to [vimeo.com/484624113](https://vimeo.com/484624113)  
or scan the QR code and watch a  
short video, which shows you how to  
set this item up and how to use it.





Thank you for purchasing this Rockville Wireless Microphone System. Please read this installation guide carefully for proper use. Should you need assistance please call our technical help line at 1-646-758-0144, Monday through Friday, 9am to 5pm EST.

## IMPORTANT SAFETY INSTRUCTIONS



- To reduce risk of electric shock, never open the unit. There are no user-serviceable parts; refer service to an authorized Rockville service center.
- Do not expose this unit to any kind of moisture.
- Please ensure that the unit is situated in a properly ventilated area.
- Make sure the unit is placed on a level and stable surface.

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## FEATURES

- VHF Dual Channel Handheld Wireless Microphone System
- Large display on receiver + digital display on each mic
- Each mic is large and solid with a nice weighted feel
- Improved high performance wireless handheld microphone capsule
- Includes transmitter with two handheld, high sensitivity, unidirectional, wireless cardioid microphones
- Featuring a dual filter design to limit feedback and interference
- Ultra signal stability eliminates unwanted distortion
- Transmitter automatically links to receiver for ease of use
- Use two handheld mics at once
- Individual microphone volume controls
- Low power consumption for longer battery life

## SPECIFICATIONS

### SYSTEM

Operating Range: 150 feet or more\*  
Channel: Two Channel  
Frequency Range: 210MHz - 270MHz  
Frequency Response: 40Hz-18KHz  
S/N.:>103dB (1KHz-A)  
Operating Temp: 14°F – 122°F  
Oscillation Mode: Quartz Crystal  
Frequency Stability:  $\pm 0.005\%$   
Modulation Mode: VHF  
Harmonic Radiation :< 63dBm  
RF Output Power: 10mW  
Power Voltage: AC110V- 60Hz  
Mic Battery: AA x 2

### RECEIVER

Sensitivity: (S/N=30dB) >2mV  
Audio Output Impedance: 600 $\Omega$   
Audio Output Level.: 0-0.5V  
Power Supply: AC110V 60Hz  
Current Consumption:  $\leq 50\text{mA}$   
Audio Out Connector: 1/4" unbalanced

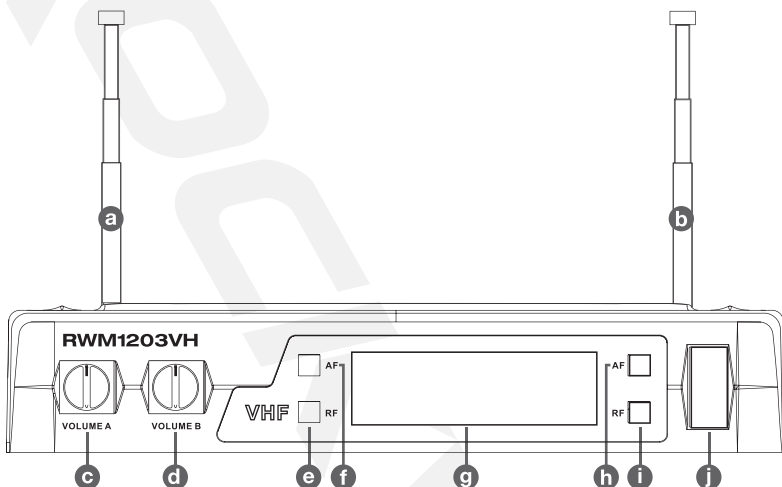
### TRANSMITTER

Frequency Stability:  $\pm 0.005\%$   
RF Output Power:  $\leq 10\text{mW}$   
Modulation Mode: VHF  
Maximum Deviation Range:  $\pm 50\text{KHz}$   
Microphone Mode: Fixed  
Power Supply: AA/1.5V $\times 2$   
Current Consumption:  $\leq 35\text{mA}$

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

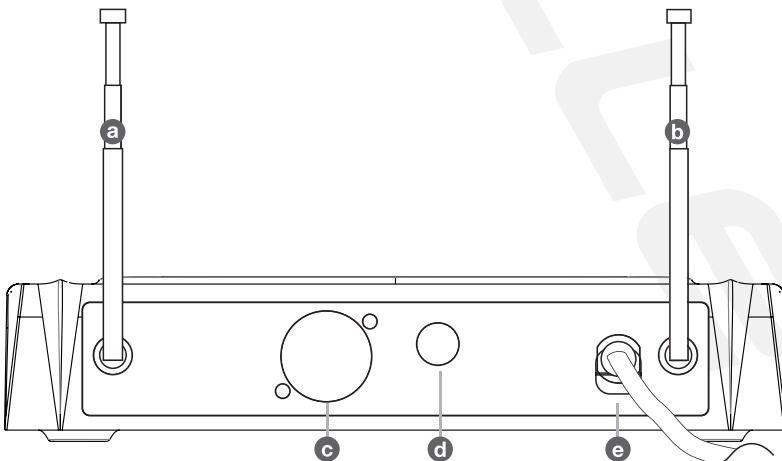
## Receiver (Front)

- |                                  |                                  |
|----------------------------------|----------------------------------|
| a. Antenna A                     | f. MIC AAF signal LED indicator  |
| b. Antenna B                     | g. LCD screen                    |
| c. MIC A Volume adjustment knob  | h. MIC B AF signal LED indicator |
| d. MIC B Volume adjustment knob  | i. MIC B RF signal LED indicator |
| e. MIC A RF signal LED indicator | j. Power on/off switch           |



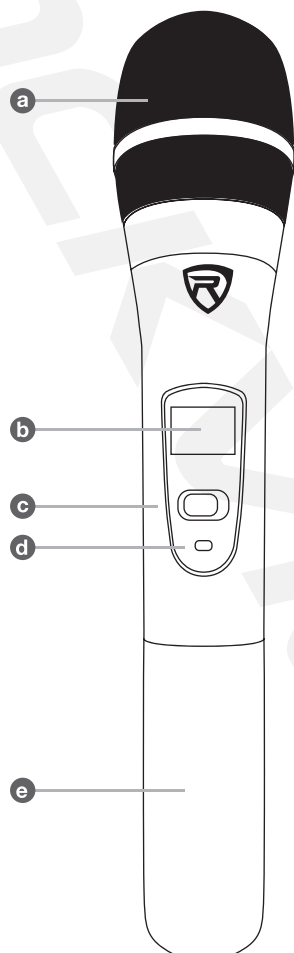
## Receiver (Back)

- Antenna B
- Antenna A
- XLR out
- 1/4" Unbalanced mix out
- Power plug



## Microphones

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



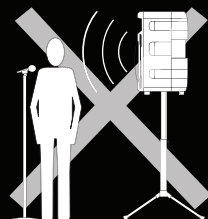
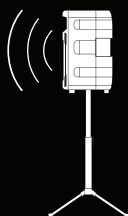
## Setup and Operation

Most mixers and powered speakers have both a Microphone input and a line level input. For best performance of the wireless microphone system you should make sure that you run the cable from one the receiver outputs (XLR, 1/4" output) into the line input of the powered speaker or mixing board.

- 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"> <li>• Turn on microphone.</li> <li>• Make sure the batteries are installed correctly.</li> <li>• Charge or change battery.</li> </ul>
	<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>• Make sure AC adapter is securely plugged into electrical outlet.</li> <li>• Make sure receiver is powered on.</li> </ul>
Audio artifacts or dropouts	<ul style="list-style-type: none"> <li>• Identify nearby sources of interference (cell phones, Wi-Fi access points, signal processor, etc...) and shutdown or remove source.</li> <li>• Change microphone battery.</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.



# FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

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

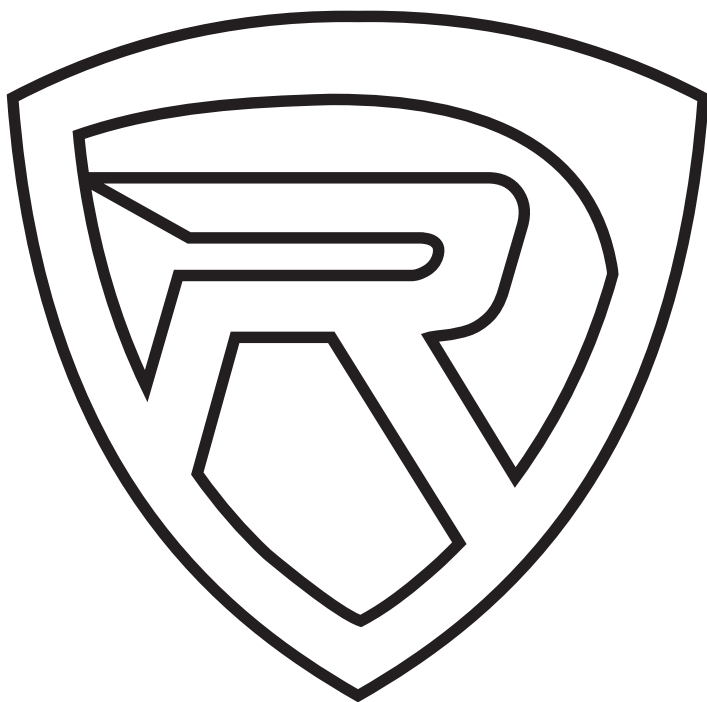
Hereby declares that the product Rockville RWM1203VH VHF microphone kit complies with FCC rules as mentioned in the following paragraph:

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.

# ***ROCKVILLE***



**RockvilleAudio.com**

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