ROCKVILLE

RWM1203VS

HIGH PERFORMANCE WIRELESS MICROPHONE SYSTEM

OWNER'S MANUAL

ATTENTION:

WATCH THIS VIDEO BEFORE FIRST USE!

Who reads manuals?

Scan the **QR code** or go to **rockvillesupport.com/rwm1203vs** 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 RWM1203VS. Please read this installation guide 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.

Table of Contents

Specs

FEATURES

- High performance wireless microphone system
- Includes transmitter with two headset microphones
- High sensitivity, unidirectional, wireless cardioid microphones
- Featuring a dual filter design to limit feedback and interference
- Transmitter automatically links to receiver for ease of use
- Durable composite microphone construction
- Comfortable ergonomic design

SPECIFICATIONS

SYSTEM

Operating Range: 100´ – 200´(indoor), 65´ – 165´(outdoor)
Audio Frequency Response: 80Hz – 12,000Hz
Dynamic Range: ≥80dB
Signal-to-Noise Ratio: ≥80dB
Operating Temperature: 41°F – 113°F
Carrier Frequency Range: 180MHz – 280MHz

RECEIVER

Sensitivity: (S/N=30dB) >2mV
De-Emphasis: 50μS
Audio Output Impedance: 600Ω
Audio Output Level.: 0 – 0.5V
Power Supply: AC110V/50Hz
Current Consumption: ≤50mA
Audio Out Connector: ¼″ unbalanced

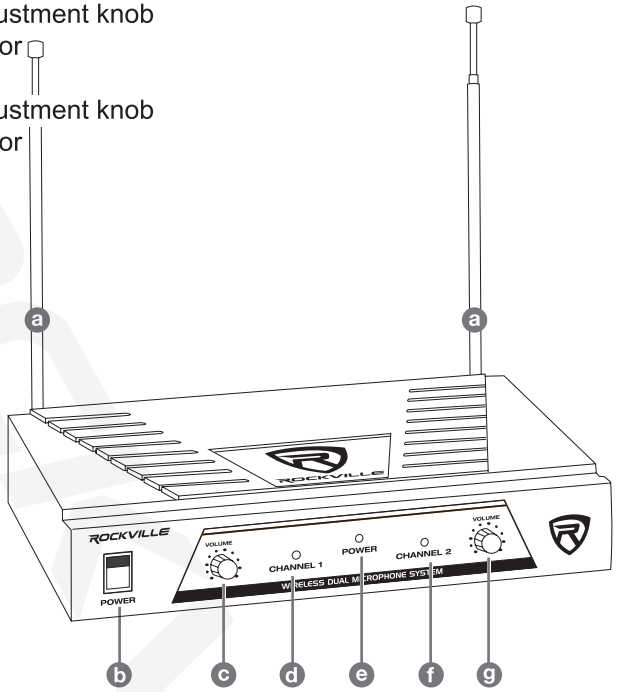
TRANSMITTER

Frequency Stability: ±0.005%
RF Output Power: ≤30mW
Modulation Mode: VHF
Maximum Deviation Range: ±50kHz
Microphone Mode: Fixed
Pre-Emphasis: 50μS
Power Supply: 9V Batt/1.5V × 2
Current Consumption: ≤35mA

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

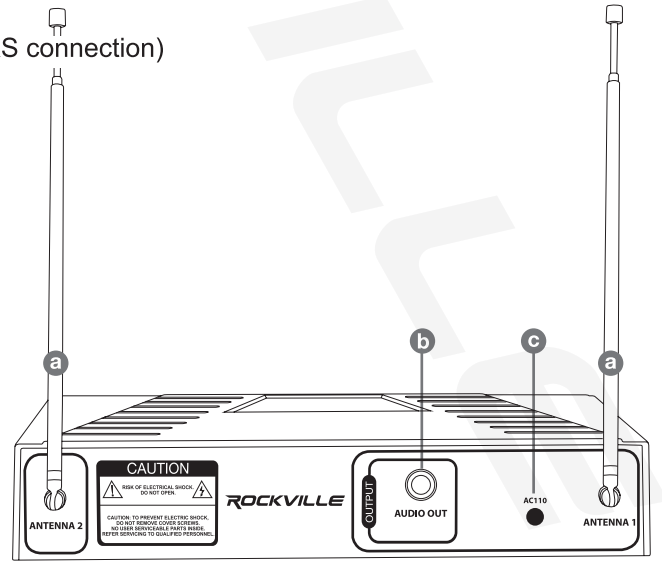
Receiver (Front)

a. Antenna
b. Power on/off switch
c. Channel 1 Volume adjustment knob
d. Channel 1 LED indicator
e. LED power indicator
f. Channel 2 Volume adjustment knob
g. Channel 2 LED indicator



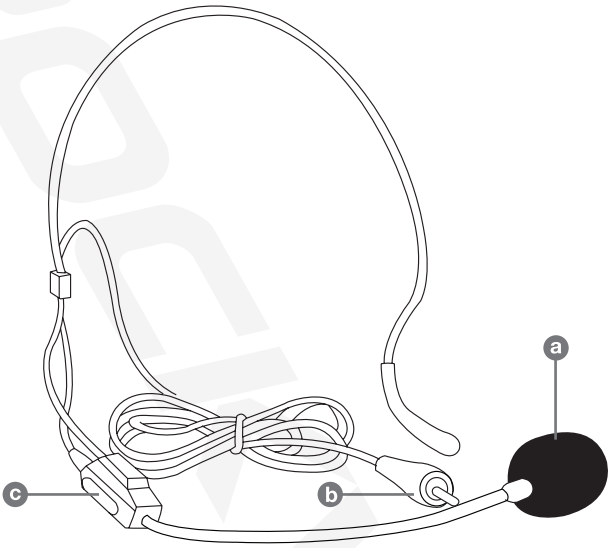
Receiver (Back)

a. Antennas
b. Audio out (¼″ TRS connection)
c. Power plug



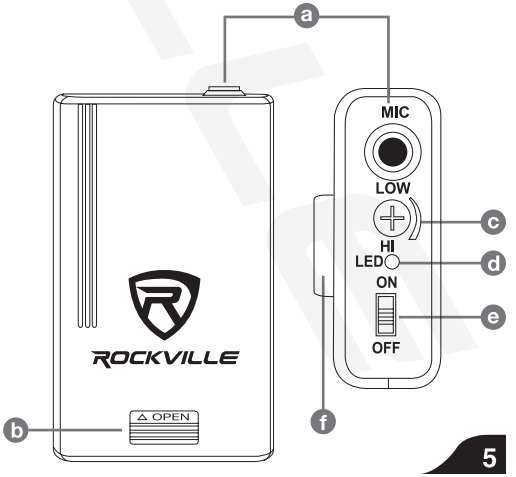
Microphones

a. Microphone windscreen
b. Power on/off switch
c. Connector jack



Body Pack

a. Microphone input
b. Battery compartment
c. Gain control
d. LED power indicator
   When ON the LED power indicator will be on. When the unit reaches 10% power or less, the LED will begin to flicker until it turns off
e. ON/OFF switch
   When the switch is in the middle position, the microphone will be on MUTE/ STANDBY
f. Belt clip

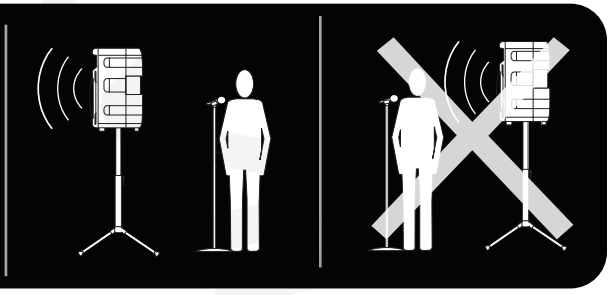


Setup and Operation

For best performance of the wireless microphone system you should make sure that you run the cable from the receiver output to 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.
- Use trim adjustment on the body pack to fine tune the mic gain so that the audio output is louder (MAX) or softer (MIN).
- When you power ON the body pack, the LED indicator will flicker and turn off. Upon requiring a battery replacement the LED indicator will remain on

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



Frequency Groups

- **GROUP A:** 215.20 MHz, 183.60 MHz
- **GROUP B:** 212.10 MHz, 185.15 MHz
- **GROUP C:** 206.35 MHz, 179.30 MHz
- **GROUP D:** 203.40 MHz, 174.10 MHz
- **GROUP E:** 202.10 MHz, 174.80 MHz

Troubleshooting

Problem	Solution
No sound or faint sound	• Verify all sound system connections or adjust channel volume as needed. • Verify that the receiver is connected to the mixer/ amplifier.
	• Turn on transmitter. • Make sure the batteries are installed correctly. • Charge or change battery.
	• Make sure AC adapter is securely plugged into electrical outlet. • Make sure receiver is powered on.
Audio artifacts or dropouts	• Change receiver and transmitter 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 transmitter battery. • System must be set up within recommended range and receiver kept away from metallic surfaces. • Transmitter must be used in line of sight from receiver for optimal sound.
Distortion	Reduce transmitter channel volume.
Sound level variations when switching to different sources	Adjust transmitter volume as necessary.
Transmitter information does not appear on the Receiver LCD	Transmitter is off.

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