ROCKVILLE

RF WEDGE
54W RGBWA+UV RECHARGEABLE BATTERY & WIRELESS DMX PAR LIGHT w/RF REMOTE

OWNER'S MANUAL

ATTENTION:
WATCH THIS VIDEO BEFORE FIRST USE!

Who reads manuals?
Scan the **QR code** or go to the **URLs** 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.

rockvillesupport.com/rf-wedge-black   rockvillesupport.com/rf-wedge-white

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 RF WEDGE. Please read this installation guide carefully for proper use of your RF WEDGE. Should you need assistance, please call our technical help line at 1-646-758-0144, 24 hours a day/7 days a week.

INCLUDES

- Par light
- Remote control
- Power wire
- Mounting clamp
- Owner's manual
- Warranty card

IMPORTANT SAFETY INSTRUCTIONS

CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN

- To reduce risk of electric shock, never open the unit. There are no user serviceable parts; refer service to the Rockville service center.
- Avoid looking directly into the lights.
- Do not expose this unit to any kind of moisture.
- This device has an IP20 rating and is intended for indoor use only.
- Maximum operating temperature is 104°F (40°C).
- Do not operate this unit when the cover is open.
- Do not attempt to operate this unit if the power cord has been frayed or broken.
- Do not attempt to break off or remove the ground prong. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Never plug this unit into a dimmer pack.
- Do not operate this unit if it is damaged.
- This unit is intended for indoor use only.
- Always mount this unit in a safe and stable manner.
- Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point of exit from the unit.
- To avoid unnecessary wear and to improve the unit's lifespan, unplug the unit when not in use for extended periods of time.
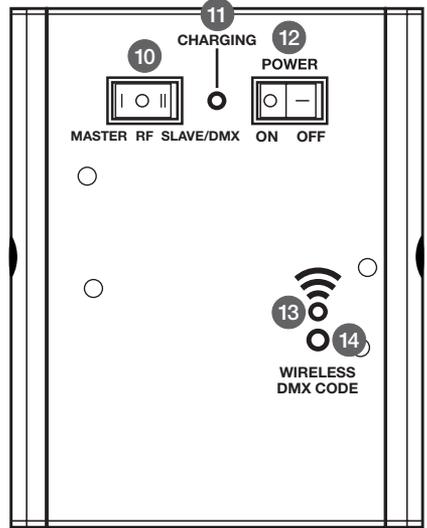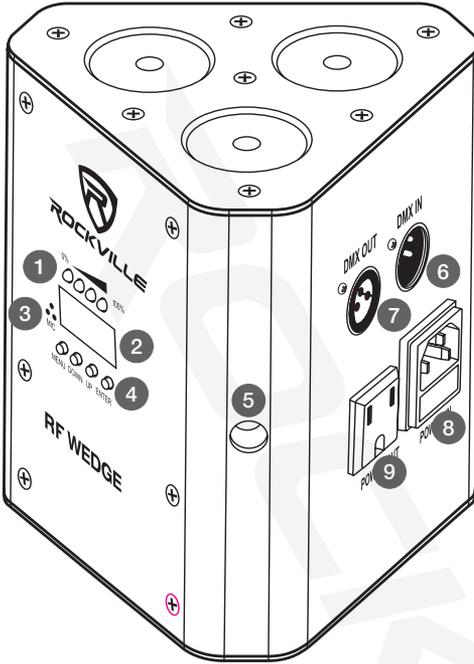
ATTENTION

Please charge fixture for 10 hours before initial use.
To charge the light: plug in the power cord and turn off the power switch. The power LED indicator will remain red while charging and will turn green once the unit is fully chared.

Always charge your light for 8 – 10 hours.
This will help extend the battery's life span.

FUNCTIONS

1. Battery level LED indicators

2. LCD display shows unit status

3. Sound mode mic

4. Menu: Enter menu mode/cycle through menu options.

   Down: Scroll down through menu or scroll through selection.

   Up: Scroll up through menu or scroll through selection.

   Enter: Confirm selection. The mode, settings, and values will be saved and will remain in place even after powering off the unit. They will be the default when you power the unit back on.

5. Mounting bracket hole (Four total: One on each side and one on the bottom)

6. DMX in

7. DMX out

8. IEC AC power socket with a user serviceable fuse

9. Power out

10. Mode switch

11. Charging LED indicator

12. Power switch

13. Wireless DMX frequency set button

14. Wireless DMX frequency LED indicator

Remote Control

1. $\hat{\circ}/\check{\circ}$ (+/-): Adjust speed, brightness, or sensitivity depending on the function the unit is set to.

2. ON/OFF: Turns the LEDs on or off. Please note, this button is strictly for the LEDs. The unit will remain on and continue to use battery power. To turn it off, use the power button on the unit (no.12 on the functions diagram).

3.COLORS: Directly select red, green, blue, white, yellow, or purple/UV LED color. Use the $\hat{\circ}/\check{\circ}$ buttons to adjust the bightness. Press the COLOR WHEEL button (a) then use the buttons to $\hat{\circ}/\check{\circ}$ cycle through the 32 color presets.

4. SOUND: Sets the unit to sound control mode. Use the $\hat{\circ}/\check{\circ}$ buttons to adjust the sound modes of the internal microphone.

5. STROBE: Sets the unit to strobe mode. First select the desired color, then press the strobe button. Use the $\hat{\circ}/\check{\circ}$ buttons to set the strobe speed.

6. SNAP: The unit will snap/pulse through colors. Use the $\hat{\circ}/\check{\circ}$ buttons to set the snap/pulse speed.

7. FADE: The unit will fade from one color to next. Use the $\hat{\circ}/\check{\circ}$ buttons to set the speed at which the unit will fade between colors.

8. AUTO: Cycles through 32 colors. Use the $\hat{\circ}/\check{\circ}$ buttons to set the speed at which the unit will cycle through colors.

9. COLOR PAD: Use the color pad to directly select a variety of preset colors.

Please note, the remote control uses a CR2025 battery (included).

Charging

To charge the light, connect the power cord to the unit and to an outlet. Turn off the power switch. The LED indicator next to the power switch will be red when the unit is charging. Once the unit is fully charged, the LED will be green. For prolonged battery life we recommend fully charging the unit before first use (10 hours) and charging for 8 – 10 hours whenever the battery is depleted.

Setting Wireless DMX Frequency Groups

The RF WEDGE features seven individual 2.4GHz groups so you can organize your fixtures. Each group is represented by a color. First, set the Mode Switch to SLAVE/DMX, then use the wireless DMX frequency set button to select any one of the seven available group colors. Make sure all the other fixtures within that group are set to the same group color.

OPERATION

Master/Slave Function

In this mode you can connect multipe fixtures together and have one of the fixtures control all others without the use of a DMX controller.

1. Turn on all fixtures.

2. Connect all fixtures wirelessly or via the DMX IN/DMX OUT ports. If connecting wirelessly, make sure that all fixtures are set to the same wireless DMX frequency group. See the Setting Wireless DMX Frequency Groups" section on the previous page.

3. Set the mode switch to SLAVE/DMX. The screen will say SLAv and from there you can press ENTER to enter 10ch/6ch mode configuration menu. Use the UP or DOWN buttons to change channel mode, then press ENTER to confirm.

4. Select one fixture to be the master and set its mode switch to MASTER. Set the mode switch of the other fixtures to SLAVE. These fixtures will now follow the master fixture. You also have the ability to set the mode switch on the MASTER light to RF mode and change to whatever color/function you want. Then put the switch back to MASTER and it will send that to all the SLAVE units in the same group.

Display Codes

Use the MENU button to enter the settings menu. Keep presssing the menu button to cycle through the different menu options. Use the UP or DOWN buttons to select the desired setting and set their values. Press and hold the UP or DOWN buttons to scroll quickly through the menu options. Press the ENTER button to save your selection or enter a submenu if one is available for that option.

Display Mode	Value	Description
A001	(A001 – A512)	Set DMX values
	6Ch – 10Ch	Press the ENTER button to access the DMX channel settings submenu, then use the UP or DOWN buttons to toggle between 6Ch and 10Ch.
CL01	(CL01 – CL32)	Single color mode
CC01	(CC01 – CC09)	Color cycle change
EE01	(EE01 – EE09)	Color pulse mode
FF01	(FF01 – FF09)	Color fade mode
ST01	(ST01 – ST09)	Set strobe speed/set strobe color.
Co01	(Co01 – Co32)	Press the ENTER button to toggle between ST (strobe speed) or Co (strobe color), then use the UP or DOWN buttons to make adjustments as necessary.
SoU1	(SoU1)	Automatically cycle through colors (triggered by sound)
	(SoU2)	Color pulse mode (triggered by sound)
	(SoU3)	Color fade mode (triggered by sound)
SEn1	(SEn1 – SEn9)	Sound control mode sensitivity adjustment. While in sound control mode (SoU), press the ENTER button to enter the sensitivity (SEn) submenu. Use the UP or down buttons to adjust the sensitivity settings.
dISP	(ON/OFF)	When ON the display will stay on. If OFF the display will automatically turn off after 20 seconds.
rEn1	(rEn1 – rEn2)	Switch between RF ch1 and RF ch2 (for the RF remote)
TEST	(R/G/B/W/Y/UV/FULL)	Self-test mode (press ENTER)
R255	(R000 – R255)	Manual dimming, RED
G255	(G000 – G255)	Manual dimming, GREEN

Display Codes (continued)

Display Mode	Value	Description
B255	(B000 – B255)	Manual dimming, BLUE
U255	(U000 – U255)	Manual dimming, WHITE
Y255	(Y000 – Y255)	Manual dimming, AMBER
P255	(P000 – P255)	Manual dimming, UV
SLAv		Set the unit to slave mode. Press the ENTER button, then use the UP or DOWN buttons to toggle between 6Ch and 10Ch.

DMX Controller Function

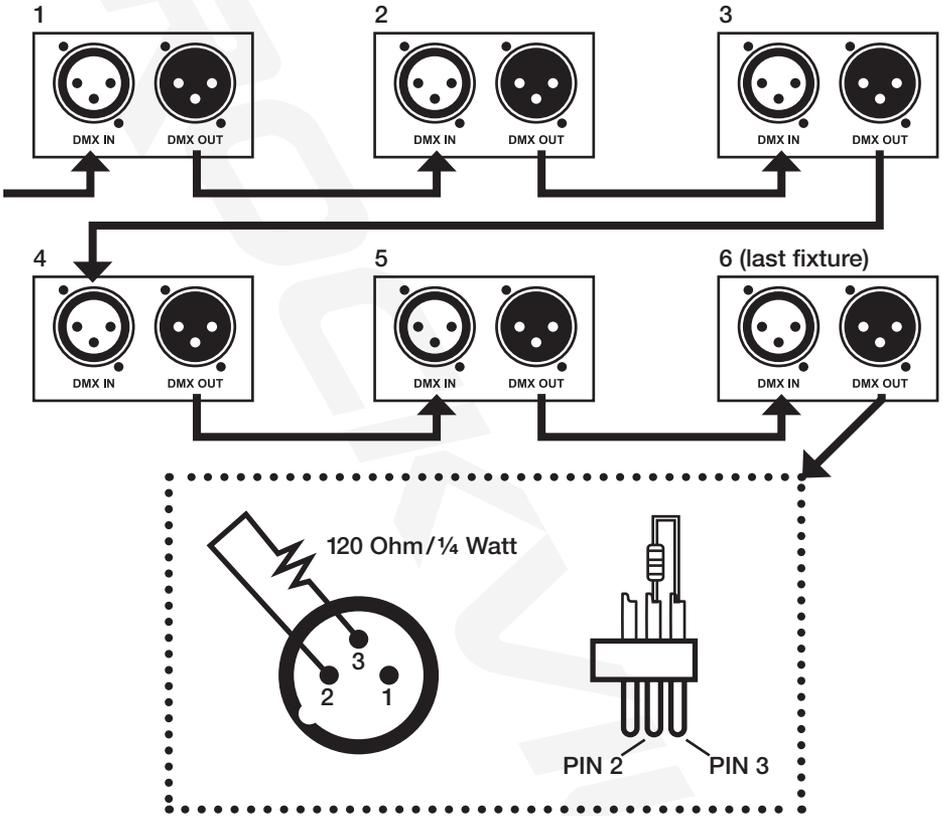When using a DMX controller, use the chart below to reference each channel's function.

6 Channel Mode

Ch.	Function	Value	Description
1	Red Dimmer	0 – 255	Adjust individual LED brightness
2	Green Dimmer	0 – 255	
3	Blue Dimmer	0 – 255	
4	White Dimmer	0 – 255	
5	Amber Dimmer	0 – 255	
6	UV Dimmer	0 – 255	

10 Channel Mode

Ch.	Function	Value	Description
1	Master Dimmer	0 – 255	Adjust individual LED brightness
2	Red Dimmer	0 – 255	
3	Green Dimmer	0 – 255	
4	Blue Dimmer	0 – 255	
5	White Dimmer	0 – 255	
6	Amber Dimmer	0 – 255	
7	UV Dimmer	0 – 255	
8	Strobe	0 – 38	Strobe off
		39 – 255	Adjust strobe speed
9	Close	0 – 8	No function (Ch1 – Ch8 valid)
	Static Color Mode	9 – 50	Functions
	Color Cycle Mode	51 – 89	
	Color Pulse Mode	90 – 129	
	Color Fade Mode	130 – 199	
	Sound Auto Color Cycle	200 – 219	
	Sound Color Strobe Cycle	220 – 240	
	Sound Color Pulse Cycle	241 – 255	
10	Ch9 speed/color functions	0 – 255	Adjust Ch9 function speeds and single colors

DMX Termination (Optional)

The last fixture of a DMX chain has to be "terminated." This prevents electrical noise from disturbing and corrupting the DMX control signals. To terminate the last fixture, solder a ¼ Watt, 120 Ohm resistor across the DATA - and DATA + wires. The connections are illustrated below. If you are only connecting a few fixtures that are close together and use a short run to the controller, you may be able to operate without a terminator.

MOUNTING

Please follow the directions below for safely hanging the RF WEDGE on a truss. You will need an adjustable wrench and pliers. Please use a safety cable when hanging the fixture. This will prevent any injuries in the event that the fixture falls.

STEP 1

Attach your mounting clamp to any one of the four mounting holes located on the sides and bottom of the fixture.

**PLEASE NOTE: Your mounting clamp may differ from the one used in our installation instructions. Make sure to refer to your clamp's specific mounting instructions for proper use.

STEP 2

Attach the clamp to a truss. Adjust the angle (A) and direction (B) as needed. Next, tighten the wing nut (C).

FEATURES AND SPECIFICATIONS

• RF remote with 70 foot range and Dual channels (RF remote can control many lights at the same time from a distance)

• 3 mode switch (RF, Master, Slave/DMX) allows for the ultimate flexibility and control

• 100% true wireless! Built in 2.4GHZ Wireless DMX 512 receiver allows you to link multiple lights together without wires (7 groups)

• Built in rechargeable battery allows you to use the lights without plugging them in making your setup 100% wireless

• Light Source: 3 LEDs that can handle 18 Watts each, which is 300% the handling of the voltage being given to the LED so they will last for 50,000 hours of use

• Each LED is a 6-in-1 RGBWA+UV (RED, GREEN, BLUE, WHITE, AMBER + ULTRA VIOLET)

• DMX control: 6 or 10 channels

• DMX input and output (3-pin)

• 50,000 hours life expectancy

• RF wireless remote control included

• Super bright: 6500 lux @1m

• Large color 4-digit digital LCD display for easy color mixing & operating.

• Easy to operate with the large LCD display, remote control, DMX controller, built-in programs, and sound activated mode

• Easy color mixing on one screen

• LED angle: 30° (±5°)

• Built-in 7,800 mAh lithium battery

• Battery indicator uses LED's so you know how much longer your battery will last

• Single Color run time – Red: 24 hours, Green: 22 hours

• Double Color run time: 15 hours

• All Colors run time: 12 hours

• Recharge Time: 10 hours

• Battery will still perform optimally even after hundreds of charging cycles

• Battery overcharge protection

• Power supply: AC110V – 220V/50Hz – 60Hz

• Power consumption: 25W

• Automatic modes: color change, strobe, color blend cycle, color jump change, sound activated

• Flicker-free lights

• Colors: 16.7 million colors

• 1-year warranty

• Black housing

• Create customized colors using the built-in LCD display

• Field replaceable batteries

• Truss mountable

• Rubber feet

• 110/220 switchable for use in any country

• Unit Dimensions: 6.69 x 6.69 x 8.86 inches

• Unit Weight: 4.4 Lbs

• Wireless DMX range: 1,000 to 1,500 feet

Troubleshooting

PROBLEM	SOLUTION
No power	1. Make sure the unit is plugged in and the black power switch is in the ON position.
	2. Make sure the power cord is not damaged.
	3. Check and replace the fuse if necessary.
No power (battery mode)	1. Make sure the unit is fully charged and that the black power switch is in the ON position.
	2. Charge the battery for 10 hours. Make sure turn off the black main power switch.
No fixture DMX response	1. Make sure that the starting address at the fixture is correct and all other fixtures are set to the same address.
	2. Make sure the DMX channel setting is the same for all fixtures.
	3. Make sure you are using the correct faders on the controller.
	4. Make sure you are using the correct fixture template and assign controller faders accordingly.
	5. Change the signal polarity at the controller.
	6. Check your DMX cables to ensure they are not damaged.
	7. Check that the DMX cables are connected properly and are wired correctly (pin 3 is "hot"; on some other DMX devices pin 2 may be "hot"). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.
No fixture DMX response (wireless mode)	1. Check all the steps listed in the "No fixture DMX response" section above.
	2. Make sure you've followed all the steps in the "Setting Wireless DMX Frequency Groups" section of this manual.
	3. Make sure there are no obstructions between the master unit and the slave fixtures.
Unit does not respond to sound	1. Quiet or high-pitched sounds will not activate the unit.
	2. Make sure that Sound Activate mode is turned on.

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

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

Hereby declares that the product(s) Rockville RF WEDGE Wireless DMX Par Light complies with FCC rules as mentioned in the following paragraph:
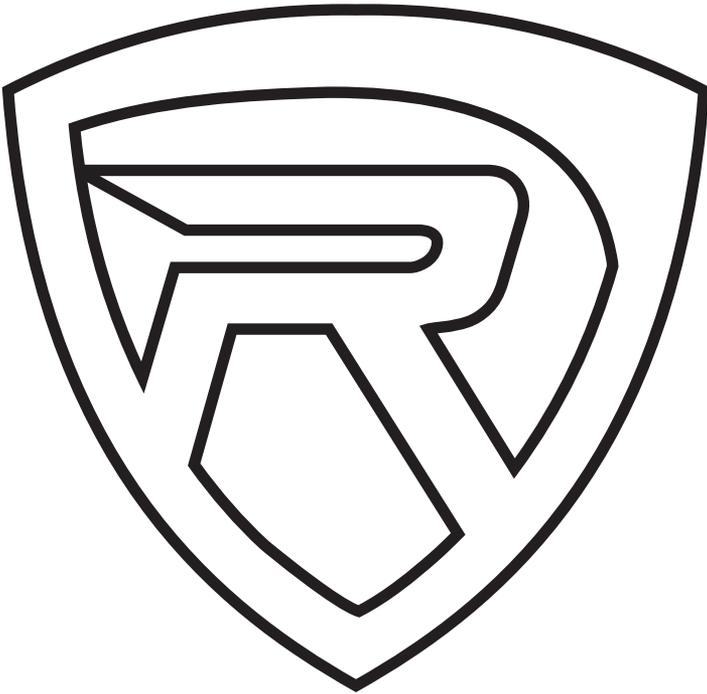
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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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