Circuit diagram
Connections: R (red), G (green), B (blue) and BL (Black) +12VDC

RGB Application

7.5 Amp Fuse
On 12V + Power

3 Amp Fuse
On 12V + LED
Output

Power Supply
12/24VDC

+
−

Controller

+

R   G   B

100VAC~240VAC
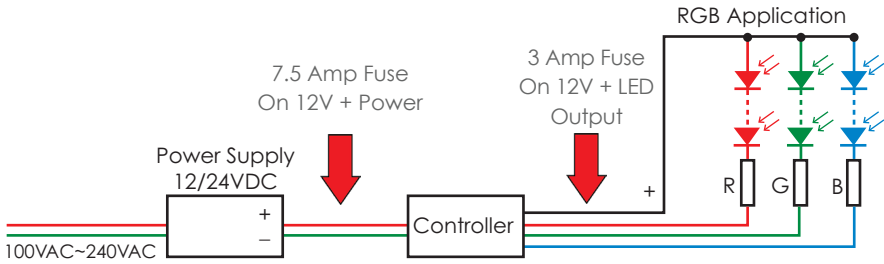
Technical data:
• The controller will keep the last mode in memory by power switch ON/OFF
• Operating temperature: -20°C to + 45°C
• Working voltage: 12/24VDC
• Output: 2 channels (RGB)
• Control variant: common anode
• Sound control: >60 dB
• Output current: max. 12A
• Wireless frequency: 433.92MHz
• Receiving range: 65' - 98' (20-30m)
• Maximum output power (for 12V input): 144W
• Maximum output power (for 24V input): 288W
• RF remote control
• For control of RGB LED RGB strips with 12/24VDC operating voltage
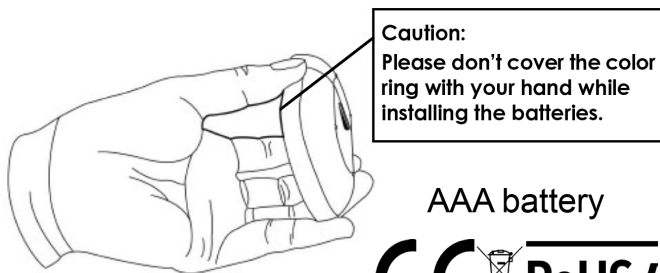
Caution:
Please don't cover the color ring with your hand while installing the batteries.

AAA battery

CE RoHS√

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RF-RGB-MC V2

RF RGB Music Controller Owner's Manual

wet sounds® | High Performance Audio

RF RGB MUSIC CONTROLLER

The Wet Sounds™ RF RGB Music Controller is a multi-function RGB LED Music Controller. It utilizes the most advanced pulse-width modulation (PWM) remote control technology. The RF-RGB-MC V2 controls full color LED lighting with four lines, three circuits (common anode), with more than 640,000 combination colors. It has 6 multi-light changing modes and 5 music sensitive modes for your choice in environmental scenes! The 433Mz Wide Range RF wireless remote control technology features low power consumption, long distance transmission, and anti-interference circuitry. The sleek and stylish remote has a simple functionality design for ease of color control, brightness, dimming, and music scenes. The capacitive touch screen design not only makes the remote easy to use, but is very cool too!

⚡ **Safety matters! Please follow all 12V installation guidelines for safe use on your vehicle.**
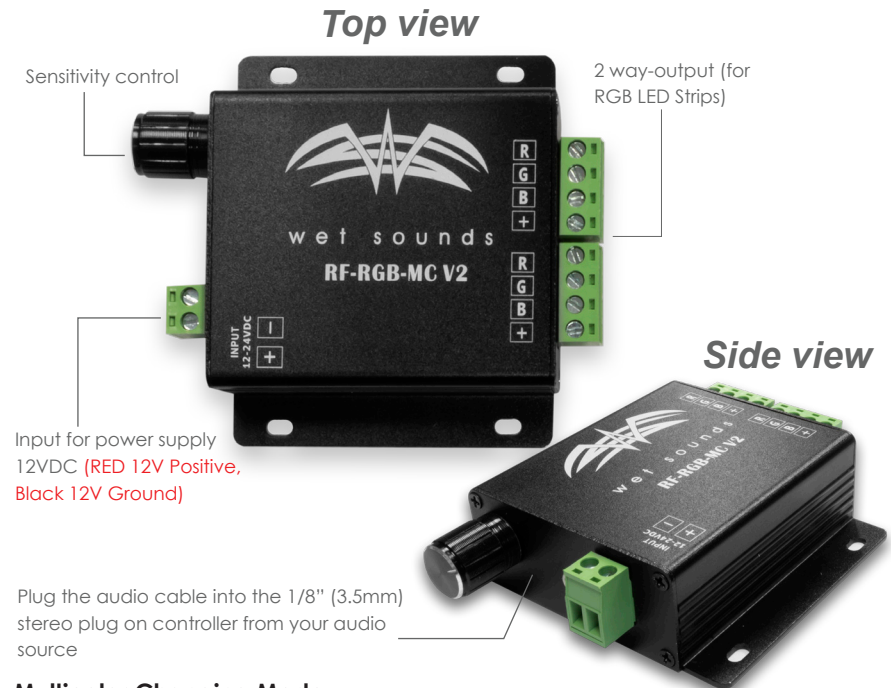
1. Do not install the product in areas with a strong magnetic field or high SPL sound pressure.
2. Make sure your connections are correct and the controller plus each LED run is individually fused to protect from a short circuit.
3. Please install the controller in an area with good ventilation to ensure proper heat dissipation.
4. Please ensure that the RF-RGB-MC V2 has a fused 12V power input.
5. Please connect all RGB strips to the unit before connecting to 12V power.
6. Wire the Wet Sounds RF-RGB-MC V2 to a master switch to shut off power when put into storage or the vehicle is not in use.
7. Please contact Wet Sounds (877-938-7757) for any questions concerning your Wet Sounds RF-RGB-MC V2.

Maintenance

Inspect the wiring and RF-RGB-MC V2 connectivity before each outing. If you determine that the wiring or unit is damaged then disconnect until the wiring or unit is repaired. If you detemine that the RGB strip is damaged then power down the RF-RGB-MC V2 until the RGB strip is replaced.

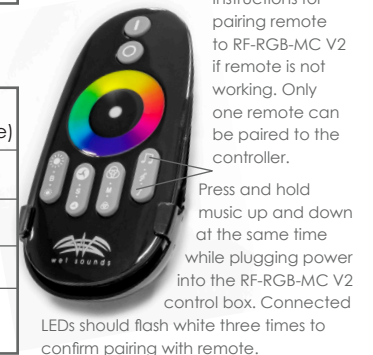| Button	Function
1	Power ON/ pressing for 3 seconds to switch to white lighting
2	Power OFF
3	Select the color (capacitive touch)
4	Increase/decrease the brightness of the light in single color mode / Multicolor changing mode / Music control mode
5	Increase/decrease the speed of the light in multicolor changing mode
6	Multicolor changing mode switch
7	Music mode switch

Top view

Sensitivity control

2 way-output (for RGB LED Strips)

Input for power supply 12VDC (RED 12V Positive, Black 12V Ground)

Side view

Plug the audio cable into the 1/8" (3.5mm) stereo plug on controller from your audio source

Multicolor Changing Mode

Mode 1	Static Mode (including seven colors)
Mode 2	Seven Color Blink
Mode 3	RGB Gradual
Mode 4	Seven Colors Gradual
Mode 5	Single Color Blink Function (Red/Green/Blue/Yellow/Purple/Cyan/White)
Mode 6	Different Mixed Color (Red+Green/Red+Blue/Green+Blue)

The RGB controller has internal sensors that will respond to vibration and sound. For some applications audio signal from a source unit will need to be ran to the 3.5mm input jack. The dial on the device is to fine turn the music response feature.

Music Control Mode

Mode 1	Seven single color music mode (Red/Green/Blue/Purple/Orange/Cyan/White)
Mode 2	Seven single colors blink
Mode 3	Seven single colors Gradual
Mode 4	Red Hopping/Green Hopping/Blue Hopping
Mode 5	Different mixed color (Red+Green/Red+Blue/Green+Blue)

Important Operational Instructions

Instructions for pairing remote to RF-RGB-MC V2 if remote is not working. Only one remote can be paired to the controller.

Press and hold music up and down at the same time while plugging power into the RF-RGB-MC V2 control box. Connected LEDs should flash white three times to confirm pairing with remote.

MEMORY FUNCTION: The controller will keep the last mode in memory by power switch ON/OFF.