ROCKVILLE

RPM109 V2

12 CHANNEL 4800W POWERED MIXER w/7 BAND EQ, EFFECTS, USB, and 48V

OWNER'S MANUAL

ATTENTION: WATCH THIS VIDEO BEFORE FIRST USE!

Who reads manuals?

Scan the **QR code** or go to **rockvillesupport.com/rpm109-v2** 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.

ROCKVILLE

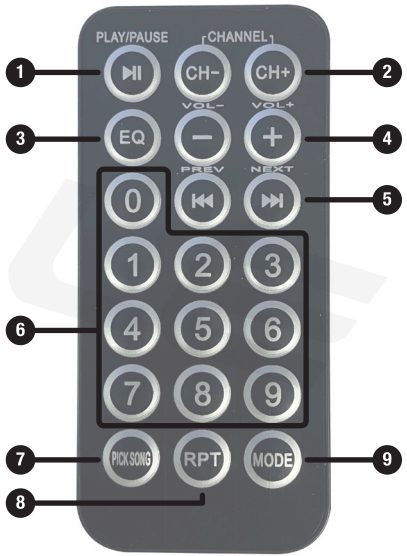
Thank you for purchasing this Rockville RPM109 V2 12 Channel Powered Mixer. Please read this installation guide carefully for proper use of your RPM109 V2. Should you need assistance, please call our technical help line at 1-646-758-0144, 24 hours a day/7 days a week.

IMPORTANT SAFETY INSTRUCTIONS

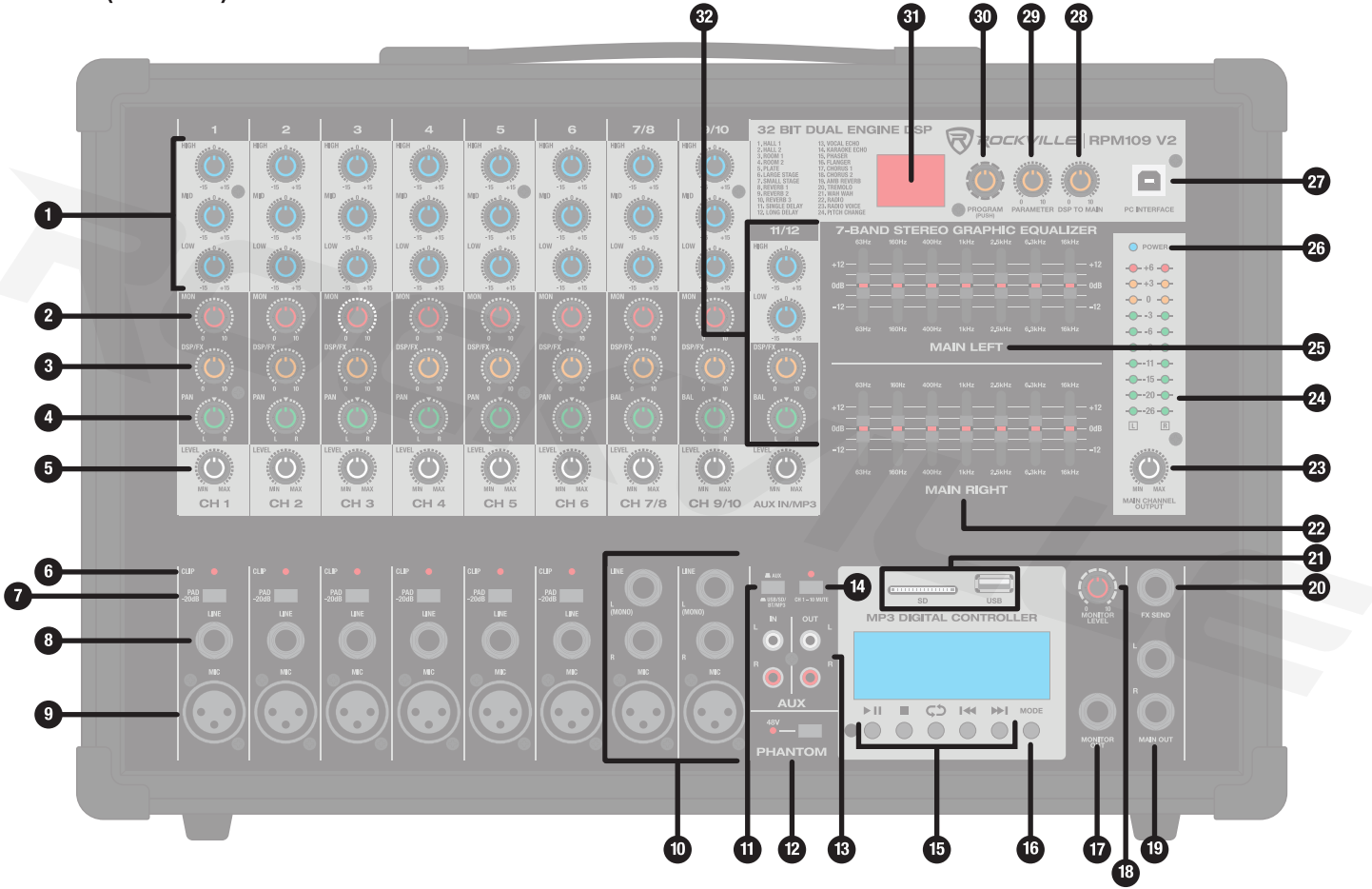
- To reduce risk of electric shock, never open the unit. There are no user serviceable parts, refer service to the Rockville service center.
- Do not expose this unit to any kind of moisture.
- Please ensure that the unit is situated in a properly ventilated area.
- Make sure the unit is placed on a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

Functions

1. Play/Pause: Play/pause current song.
2. VOL-/VOL+ (CH-/CH+ function unavailable): Press to decrease or increase volume. Press and hold to quickly decrease or increase volume.
3. EQ: Press to cycle through preset EQs: NORMAL, POP, ROCK, CLASSIC, and COUNTRY.
4. PREV/NEXT (-/+ function unavailable): Select previous or next song.
5. ⏮/⏭: Function unavailable.
6. Number pad: Directly select music track.
7. PICK SONG: Function unavailable.
8. RPT: Press to cycle through repeat modes: SINGLE, RANDOM, ALL, and FOLDER.
9. MODE: Press to switch between BT and USB mode.



Functions (continued)



1. Input Equalizer control: 3-band EQ that adjusts high, mid, and low frequencies. **High:** 12KHz ±15dB**/Mid:** 2.5KHz ±15dB**/Bass:** 80Hz ±15dB
2. Monitor control: Controls the amount of signal sent to the MONITOR bus. Please note, the only things that can be adjusted in this routing are high/mid/low controls and the pad button. Anything else in the channel path does not effect this routing, including the 7-band EQ.
3. DSP/FX control: Controls the amount of signal sent to the built-in DSP effects and to the fx send output for that channel. Please note, the only things that can be adjusted in this routing are high/mid/low/level controls and the pad button. Anything else in the channel path does not effect this routing, including the 7-band EQ.
4. Pan control: Determines the position of the channel signal within the stereo image. It features a constant-power characteristic, which means the signal is always maintained at a constant level, irrespective of position in the stereo panorama.
5. Level control: Controls the volume output per individual channel.
6. Clip LED: Indicates that the input signal is too high and distorting.
7. PAD switch (Ch1 – Ch6): Attenuates the input signal by -20dB. Use this feature when connecting a line level device or if the Mic input is hot/distorted.
8. Line/High impedance ¼˝ balanced (TRS) inputs (Ch1 – Ch6): This input may be used as either a high-impedance microphone input or for line-level devices such as a cassette player, CD player, video projector or laptop. Will also allow connection from an electric guitar, bass or keyboard. It is a two-conductor input with an impedance of 10K ohms.
9. Microphone/Low impedance XLR input: Connect balanced low impedance microphones with an input impedance of 1K ohms.
   PIN 1 = shield, **PIN 2** = positive (hot), **PIN 3** = negative (cold)

   ⚠ **WARNING: When using condenser microphones, make sure that Phantom power (48V) is switched on (see item 12).**
10. Stereo Channel input (Ch7/8 & Ch9/10): These are stereo inputs featuring a balanced XLR input and L/R ¼˝ unbalanced (TS) inputs. When the Left ¼˝ jack is used alone, the signal input is mono, meaning the signal plays in both the left and right channels.
11. AUX / BT/USB/SD button: Allows you to selelct between the AUX input and the MP3 module (BT, USB, and SD).
12. Phantom Power ON/OFF button (red LED indicates power on): When activated, phantom power provides 15 volts DC to power condenser mics. **Please note:** Do not plug or unplug devices and mics while phantom power is on. It can cause severe damage to the mic. When phantom power is turned off, it is recommended you wait approximately 7 seconds so as to allow time for the voltage to completely dissipate.
13. L/R AUX Input/Output (Ch11/12): The RCA stereo inputs are for connecting an MP3 player or any other line level input. The outputs allow you to send the signal to a Tape or CD recorder (–10dB output level), or any other line level L/R device.
14. Ch 1-10 MUTE button: Mutes the signals of channels 1 to 10.
15. USB/BT DIGITAL CONTROLLER:

    Play button: Press during playback to pause, press button again to resume play.

    Stop (USB/SD only): Stop playback. Press and hold to enter folder selection mode. Use the Prev/Next buttons to select folder.

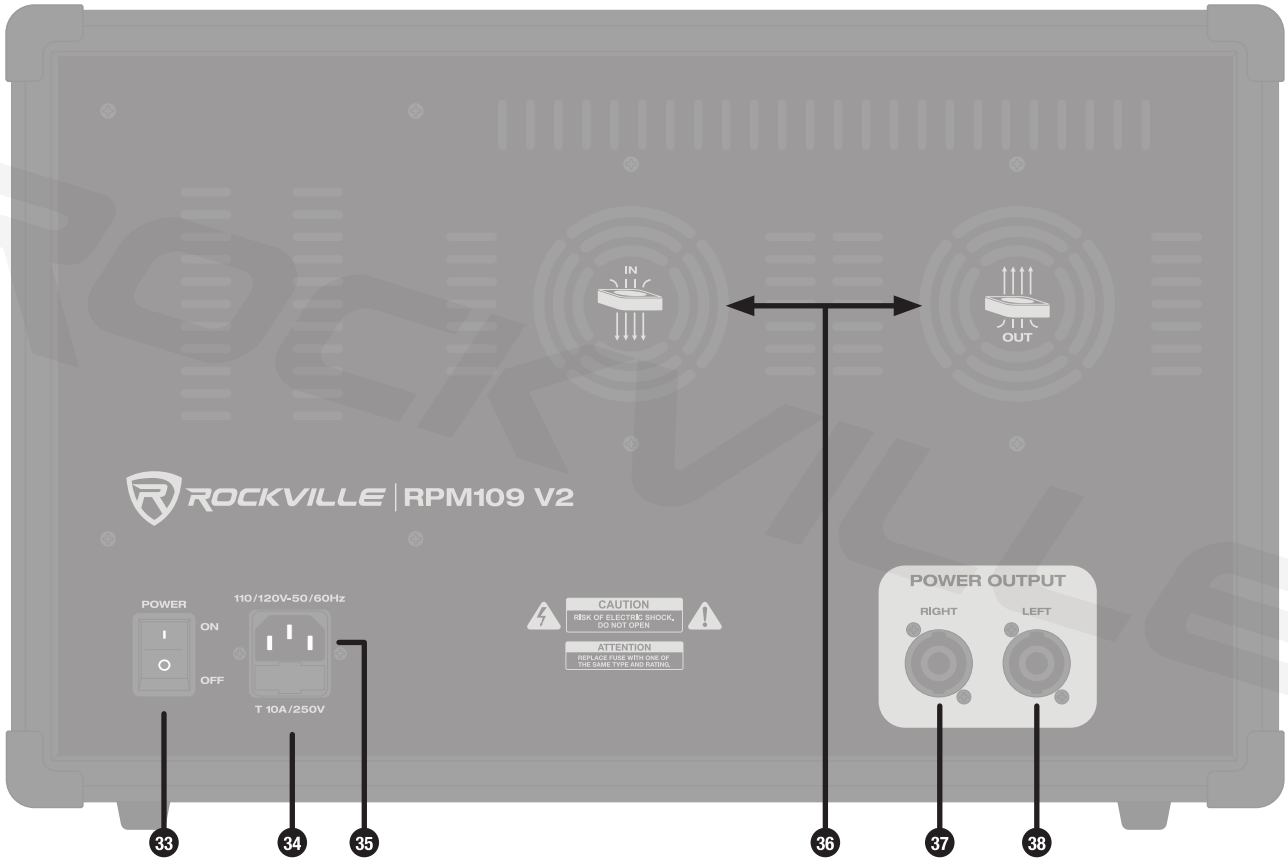
    Repeat button: Press the button to cycle through the available repeat modes (in this order): folder, single, random, all.

    Previous button (USB/SD/BT): Press to go to the previous track. Press and hold to raise the module's volume.

    Next button (USB/SD/BT): Press to go to the next track. Press and hold to lower the module's volume.

Functions (continued)

16. MODE: Press to switch between modes (USB/SD/Bluetooth). Press and hold to turn off the MP3 module.
17. MONITOR OUT: This ¼˝ TS jack provides and unbalanced output signal from the monitor signal path.
18. MONITOR LEVEL: Controls the level/amount of the overall signal being sent from ch 1-10 from the monitor knob to each channel together. This can be used to send signal to stage monitors.
19. MAIN OUT: These L/R ¼˝ TS jacks provide unbalanced output. Its the line level of the main mix which can be sent to other devices.
20. FX SEND: Sends a stereo line level signal to an external effects processor. This signal can be returned on any of the mixer's other line inputs on an unused channel.
21. SD/USB inputs. **Please note:** The RPM109 V2 will not recognize USB drives formatted in the NTFS format; only the FAT or FAT32 formats.
22. MAIN RIGHT equalizer: 7 band EQ allows you to adjust the frequency response (±12dB) of the right mains' signal.
23. MAIN CHANNEL OUTPUT: Controls the overall output to the Main Output (front jacks) and Power Output (rear speaker outputs).
24. Output Level Indicator: This peak level meter is made up of 20 LEDs (10 for the each cannel) with 3 colors to indicate the different ranges of signal level. You want your average level to be at 0dB for optimal output and sound clarity.
25. MAIN LEFT equalizer: 7 band EQ allows you to adjust the frequency response (±12dB) of the left mains' signal.
26. POWER: LED indicates unit power status.
27. PC INTERFACE USB port: Use this type B USB port to send audio data between the mixer and a computer or tablet device. This can be controlled by the source device for input signal. The parameters that effect this signal flow are the 7-band stereo graphic EQ and the main channel output.
28. DSP TO MAIN: Controls the level/amount of the overall effect being sent from ch 1-12 together that gets blended on the main channel signal.
29. Parameter: Controls the effectiveness of the digital effects monitoring channel.
30. Program control: This control allows you to select any one of the 24 preprogrammed digital effects. These effects are designed to be added to dry signals. Rotate to scroll through the effects, push to confirm your selection.
31. Digital Stereo Effects display: Shows the current digital effect.
32. Channel 11/12: These controls are used to adjust the signal from the AUX line level inputs or input from the USB/SD/BT digital controller. To switch between the two, use the AUX / BT/USB/SD button (see item 11).
33. Power switch
34. User serviceable fuse
35. IEC AC Power socket
36. Dual vent fan cooling system
37. POWER OUTPUT RIGHT: Right main output speakON jack with a MINIMUM impedance of 4 ohms.
38. POWER OUTPUT LEFT: Left main output speakON jack with a MINIMUM impedance of 4 ohms.


IN
OUT
ROCKVILLE | RPM109 V2
POWER
ON
OFF
110/120V-50/60Hz
T 10A/250V
CAUTION
RISK OF ELECTRIC SHOCK, DO NOT OPEN
ATTENTION
REPLACE FUSE WITH ONE OF THE SAME TYPE AND RATING.
POWER OUTPUT
RIGHT
LEFT
33
34
35
36
37
38

Operation

Bluetooth Pairing and Operation

1. Press the MODE button until you see the Bluetooth logo followed by “Bluetooth Disconnected” on the display. The unit will automatically enter into pairing mode.
2. Ensure that your device is in Bluetooth mode and discoverable.
3. Find “ROCKVILLE” on your device’s list of available Bluetooth connections and select it.
4. Once successfully paired, you will see the Bluetooth logo followed by “Bluetooth Connected” flashing on the display.
5. You can control playback from your device or you can use the MP3 controls.

Please note: input from the USB or SD port will override Bluetooth input.

USB/SD Operation

Inserting a USB flash drive or an SD card into the corresponding port/slot will set the RPM109 V2 to USB/SD mode and it will automatically begin to play music. **Please note:** The RPM109 V2 will not recognize USB drives formatted in the NTFS format. Drives must be formatted in the FAT or FAT32 formats. Recognized file formats are MP3, WAV, and WMA.

Music Playback (BT/USB/SD)

Play button: Quickly press to play/pause current track.

Stop button (USB/SD only): Quickly press to stop current track.

Next button: Quickly press to go to next track. Press and hold to raise volume.

Previous button: Quickly press to go to previous track. Press and hold to lower volume.

Repeat button: Press the button to cycle through the available repeat modes (in this order): folder, single, random, all.

Folder Selection (USB/SD only)

Play button: Quickly press to play songs in the selected folder.

Stop button: Press and hold to enter folder selection mode. Use the Prev/Next buttons to cycle through folders. The display will show the name of the folders as you scroll. Pausing on a folder will preview it and start playing the first song. To select a folder, press the button for 1 second. Playback will begin immediately.

Next button: Quickly press to go to next folder.

Previous button: Quickly press to go to previous folder.

Features/Specifications

- 12 Channel mixer section: 6 mono channels, 3 stereo channels, 1 dedicated USB/SD channel
- USB Interface for playback or to record your performance in your DAW
- Mute button for channels 1-10 which enables you Switch between all the channels accept the AUX/MP3 channels.
- Built-in Bluetooth playback
- Studio-grade stereo FX processor with 24 digital effects including reverb, chorus, plate, delay, chorus and various multi-effects
- 8 high-quality mic preamps with switchable +48 V phantom power for condenser microphones
- Pad Switch on each mono channel
- Clip LEDs on each mono channel
- Dual Stereo 7-band Graphic EQ allows for precise frequency correction of main outputs
- Monitor Level Knob
- Main Level Knob with 2 x 10 LED Level Meter
- Dual RCA Aux Input with Independent Level Knob for External Signal Sources
- Internal switch-mode power supply, noise-free audio, superior transient response and very low power consumption
- Dual RCA Output
- Dual Speak-ON jacks for speaker Output
- Dual Fan vent Cooling System
- 110 – 120V power supply
- Dimensions: 18″ x 11.22″ x 11.41″
- Weight: 30.9 Lbs.

RMS Power Output:	**Program Power Output:**	**Peak Power Output:**
600w x 2 @ 4 Ohm	1200w x 2 @ 4 Ohm	2400w x 2 @ 4 Ohm
450w x 2 @ 8 Ohm	900w x 2 @ 8 Ohm	1800w x 2 @ 8 Ohm
1200w x 1 @ 8 Ohm	2400w x 1 @ 8 Ohm	4800w x 1 @ 8 Ohm

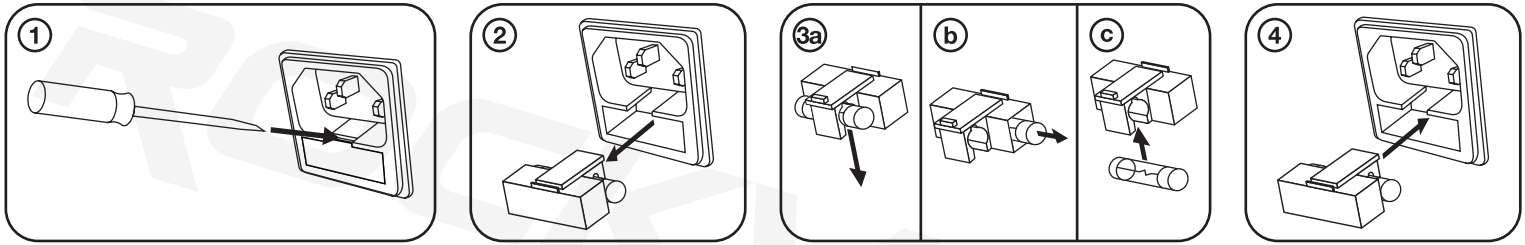
Troubleshooting

PROBLEM	SOLUTION
No power	1. Make sure the unit is plugged in and the power switch is in the ON position. 2. Check that the power cable is plugged in tightly to the unit. 3. Check and replace the fuse if necessary. See fuse replacement diagram on the next page.
No sound	1. Check that all appropriate cables are plugged in correctly. 2. Check the Main Channel Output settings. 3. Check the individual level control of each channel. Make sure the Ch1-10 mute switch is not pressed. 4. Make sure you've selected the right input input source (AUX/BT/USB/SD) for the appropriate channel. 5. Make sure your microphone is on. if using a condenser mic, make sure phantom power is on.
Noise	1. Turn down the channel levels one by one. If you don't hear the sound, then the problem is either with the channel or whatever device is plugged into it. 2. Unplug the device(s) to see if the sound disappears. 3. Make sure you are using the proper cables. For ¼˝ cables, there are 3 types: instrument, TS (unbalanced), and TRS (balanced). Check the requirements of the connected gear and make sure you are using the appropriate cable. 4. Check EQ settings. Boosting EQ can potentially lead to distortion at a much earlier point or may sound too loud or harsh. To aleviate that, lower your EQ settings
Buzzing sound	Make sure you are using a proper cable and tht it is plugged in completely. For ¼˝ cables, there are 3 types: instrument, TS (unbalanced), and TRS (balanced). Check the requirements of the connected gear and make sure you are using the appropirate cable.
Bad Channel	1. Check that the EQ is set up properly. 2. Check channel level. 3. Check that the channel pan is set to the 12 o'clock position. 4. Try setting up the same source signal on a different channel. Make sure to use the same settings as the suspect channel. 5. If using a microphone, make sure that it does not require phantom power.
Bad Output	1. Make sure the main level is turned up. 2. Check that the EQ is set up properly. 3. Unplug devices from other line level outputs just in case one of the devices has a problem.
Bluetooth Pairing Fails	1. Check to see that both devices are turned on and that your Bluetooth device is discoverable. 2. Turn both devices off and then on again. 3. Make sure you've selected the proper source. Check that the AUX-USB/SD/BT selector button is pressed. 4. Make sure that the Bluetooth device is within 5 feet of the unit. 5. Move both devices away from other Bluetooth devices, microwaves, wireless routers, and other electronics. 6. Make sure that all volume controls are set properly (Main Channel volume control as well as Ch11/12 volume control). 7. Make sure that the unit is not paired to a previously paired device.
No USB playback	1. Make sure your SD card or USB flash drive is not damaged. 2. Make sure the SD card or USB drive is formatted as FAT or FAT32. Cards and drives formatted as NTFS are not recognized. 3. Check that the files on the media device are not corrupt. 4. Make sure the files are properly formatted (WAV, MP3, WMA).

Replacing the Fuse

The RPM109 V2 features an IEC power socket with a user-serviceable fuse compartment. Follow the steps below to replace a blown fuse. Make sure to replace the current fuse with one of the same value.

1. Use a screwdriver to release the fuse holder.
2. Remove the fuse holder.
3. Remove the blown fuse (a). Extract the spare fuse (b) and replace in the fuse holder (c).
4. Carefully re-insert the fuse holder and ensure that it is properly seated.



FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

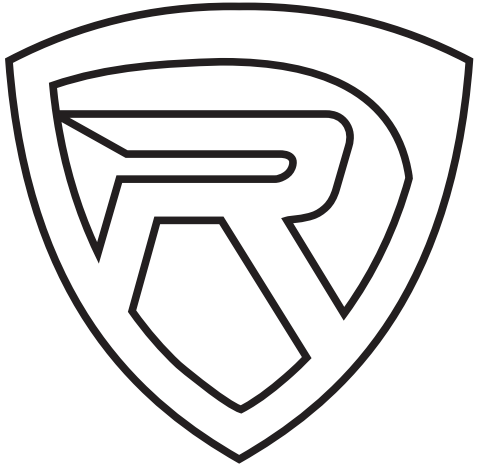
Address: 600 Bayview Ave,
Entrance A,
Inwood, NY 11096

Hereby declares that the product RPM109 V2 12 channel powered mixer 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.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.



RockvilleAudio.com

© 2024 ROCKVILLE // Features and specifications are subject to change and/or improvement without notice.