



OWNER'S MANUAL

# RPM85

8 CHANNEL 2400W POWERED MIXER w/FIVE BAND EQ,  
EFFECTS, USB/SD, and 15V PHANTOM POWER

## *Who reads manuals?*

Instead, go to [vimeo.com/496115351](https://vimeo.com/496115351)  
or scan the QR code and watch a short  
video, which shows you how to set this  
item up and how to use it.



ROCKVILLE

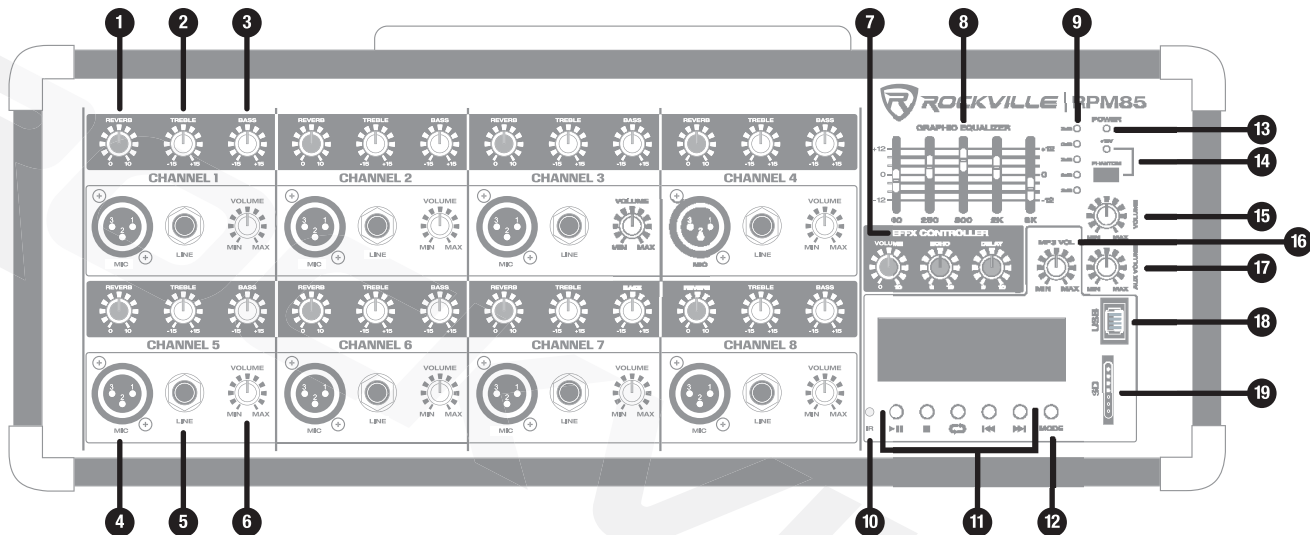
Thank you for purchasing this Rockville RPM85 8 Channel Powered Mixer. Please read this owner's manual carefully for proper use of your Rockville RPM85. Should you need assistance, please call our technical help line at 1-646-758-0144, Monday through Thursday, 9am to 10pm EST., and Fridays, 9am to 3pm 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.

## Functions



1. Channel Reverb (EFFECT): controls the amount of reverb added to the input signals.
2. Channel Treble control:  $\pm 15\text{dB}$
3. Channel Bass control:  $\pm 15\text{dB}$
4. 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 (15V) is switched on (see item 14).**

5. Line/High impedance  $\frac{1}{4}"$  TRS input: 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.

6. Channel volume control: volume level should be lower than the master level. This control acts as a preamp, if you are using a device that has a volume output control you will need to match levels by adjusting the level controls on each unit.

7. Master EFX controls: **Volume:** Controls the level of the effects added back to the master mix.

**Echo:** controls character of the reverb that is added back to the master mix. It changes the rate at which the echo decays.

**Delay:** controls the delay of the reverb that is added back to the master mix. Increasing this control will simulate the effects of a larger room.

8. 5 Band Master equalizer:  $\pm 12\text{dB}$ ; 60Hz, 250Hz, 800Hz, 2KHz, 8KHz

**⚠ WARNING: Most situations should require using no more than three controls simultaneously. Do not boost or cut all five at the same time. Excessive boosting will increase the probability of feedback.**

9. Output level LED indicators

10. IR receiver

11. USB/SD/BT radio digital controller: Play/Pause, Stop, Repeat, Rewind, Fast Forward. LCD screen alternates (every 3 seconds) between displaying track playing time and total time.

12. Mode control: Push to switch between modes (USB/SD/Bluetooth)

13. LED Power indicator

14. Phantom Power ON/OFF button (Red LED indicates power on)

15. Master volume: controls overall volume of level of the mixer.

16. MP3 volume: controls USB/SD/BT input volume.

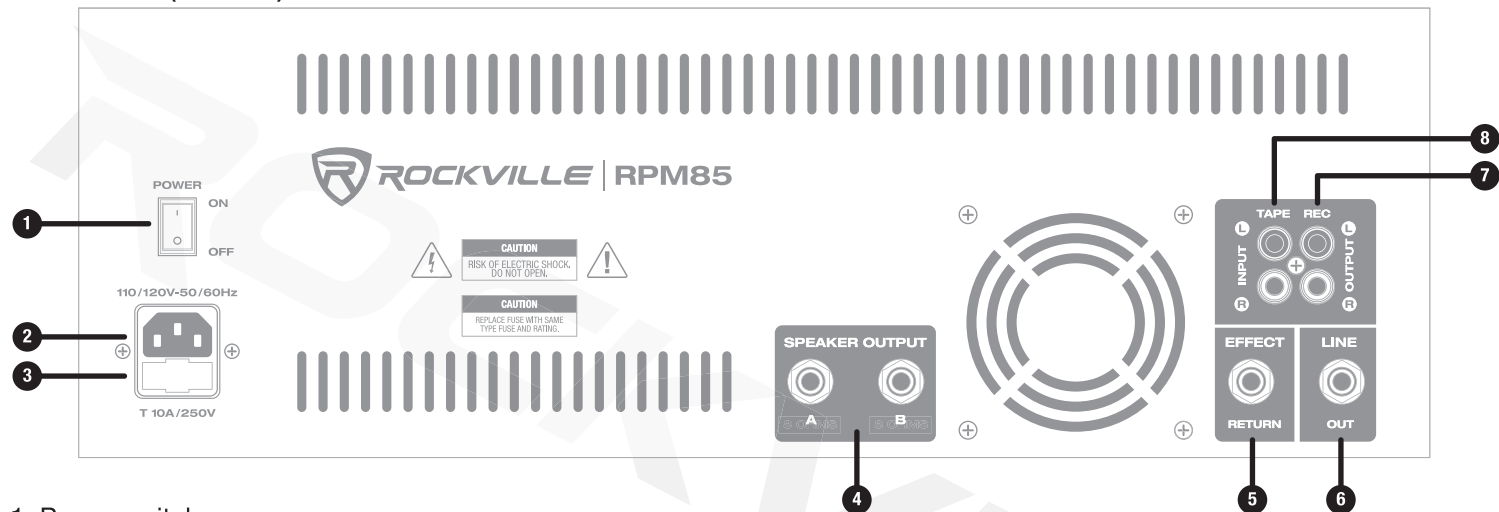
17. AUX volume: controls volume of line input.

18. USB input port

19. SD input slot

**Please note:** The RPM85 will not recognize Sd cards or USB drives formatted in the NTFS format. SD cards and drives must be formatted in the FAT or FAT32 formats.

## Functions (continued)



1. Power switch

2. IEC AC Power socket

3. User serviceable fuse

4. Speaker outputs: 1/4" TRS jacks accept 4 ohm or 8 ohm speakers.

**⚠ WARNING: Do not operate below rated minimum impedance.**

5. Effect Return: 2-conductor 1/4" line input connects the mixer to the output of an external effects device.

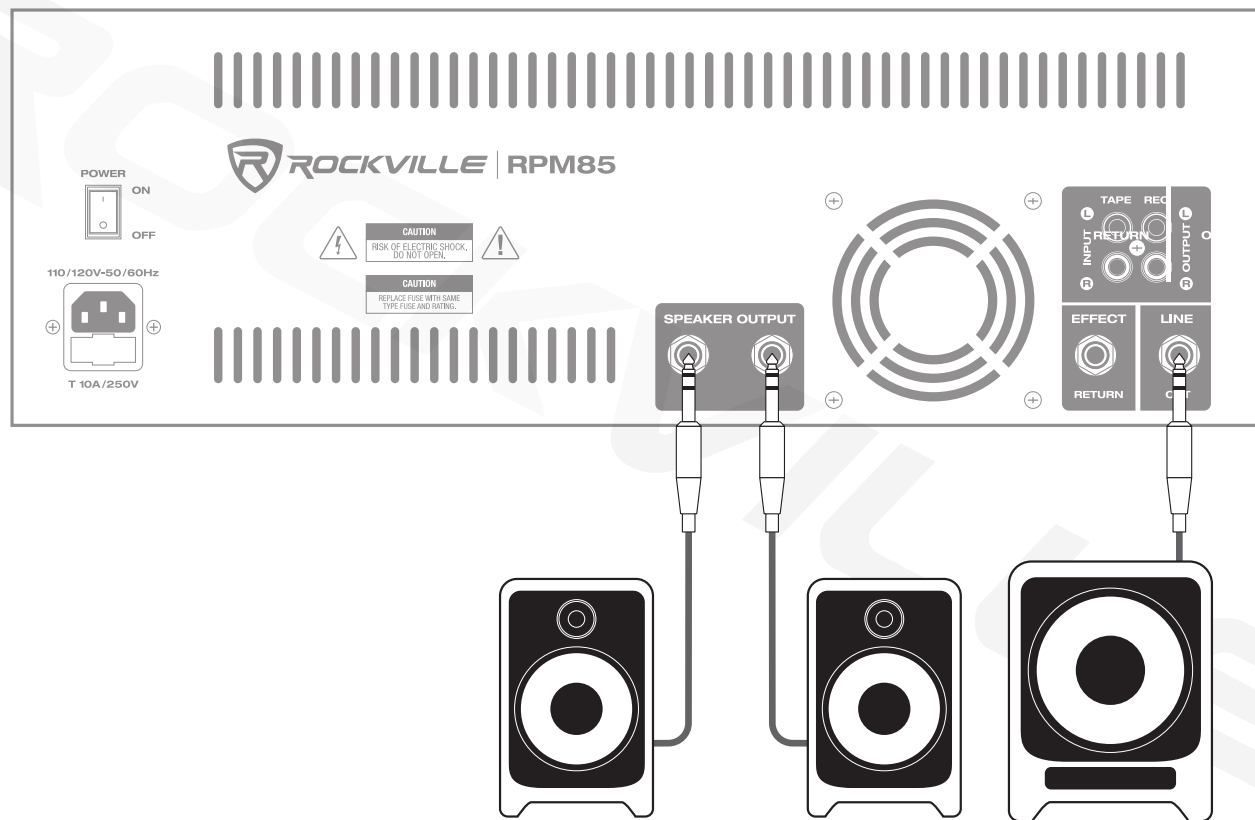
6. Line Out: 1/4" TRS line output is used to connect the mixer to a subwoofer or to send the line signal to an external device.

7. Rec output: sends signal to any line level recording device

8. Tape input: for connecting stereo audio from any number of line level sources: mixing consoles, samplers, CD players, cassette decks, DAT machines, and other audio interfaces. Mono audio sources can be connected using an RCA "Y" cable connector.

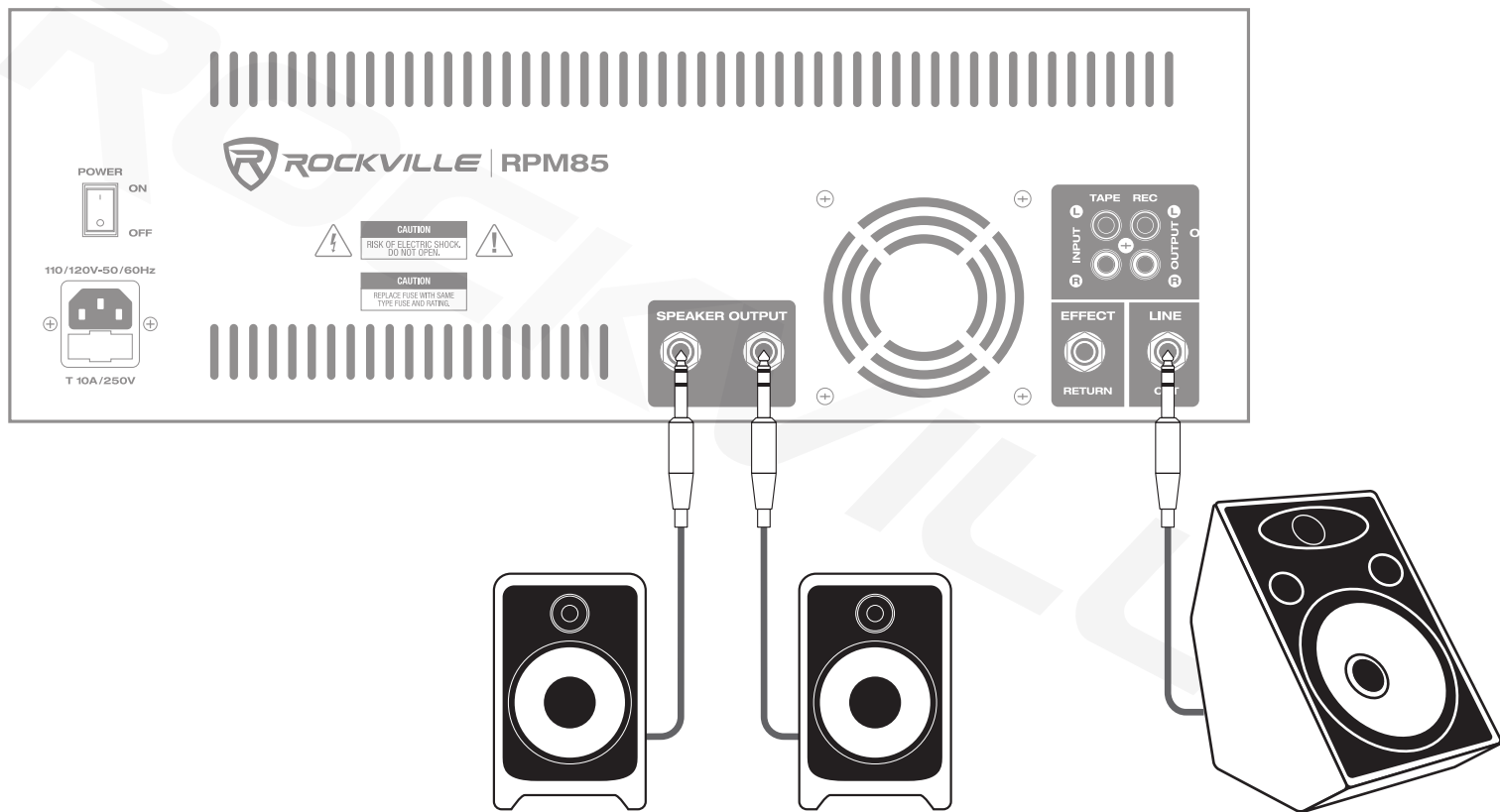
## Setup

In this setup there is a powered subwoofer connected to the 1/4" Out jack and two 8-ohm speakers connected to the 1/4" 8-Ohm Speaker Outputs on the back of the unit.



## Setup (continued)

In this setup there is a powered stage monitor connected to the 1/4" Out jack and two 8-ohm speakers connected to the 1/4" 8- Ohm Speaker Outputs on the back of the unit.

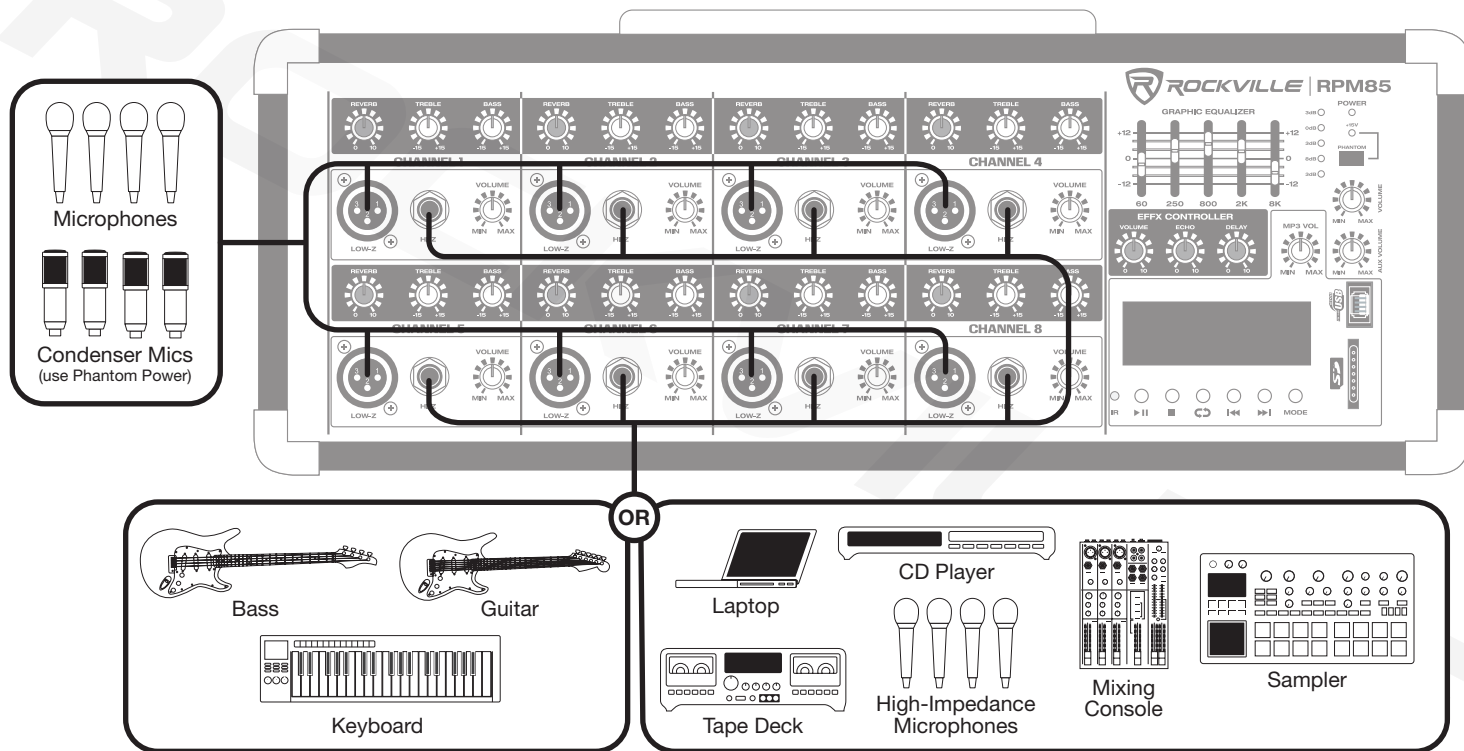




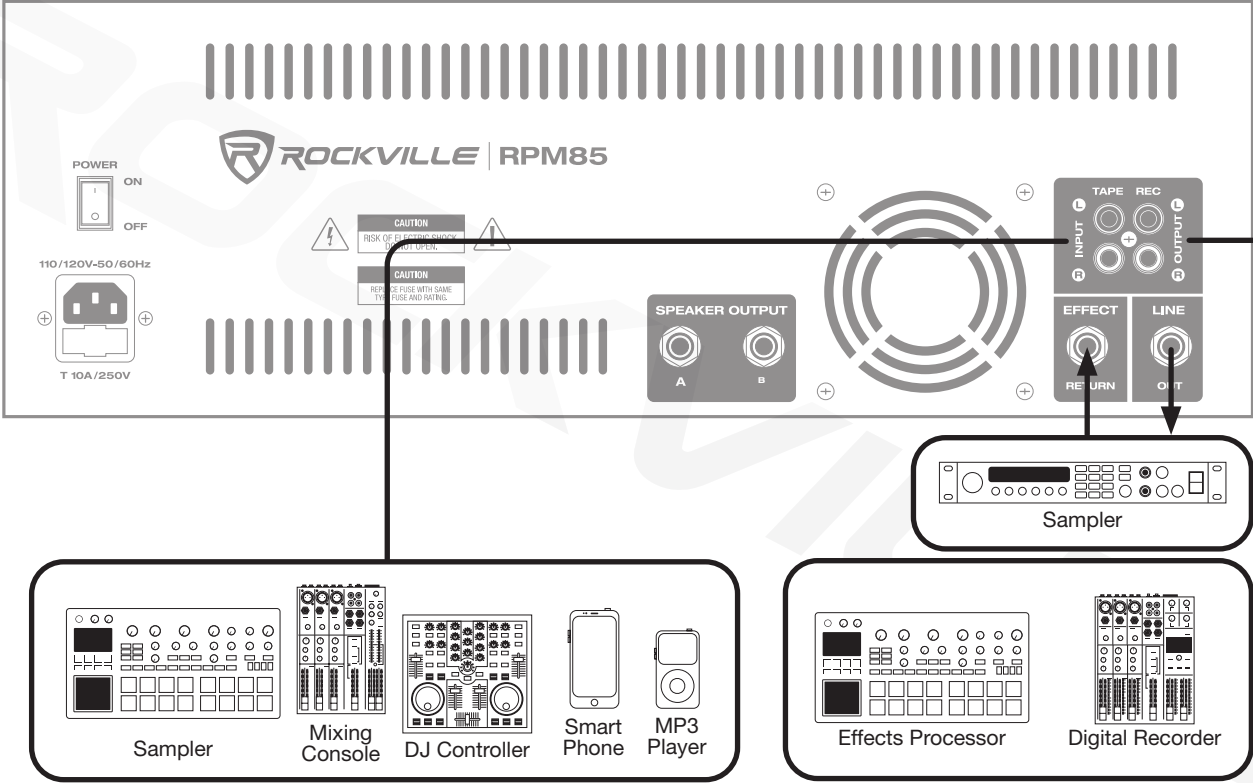
## Connections

Once your speakers are hooked up, there are a variety of ways to use the RPM85's many inputs and outputs. Diagrams for the outputs are located on the next page.

**Please note:** Line level consumer devices such as CD players, tape decks, etc. will require an RCA to 1/4" cable.



Connections (continued)



## Operation

### Bluetooth Pairing and Operation

1. Press the MODE button until you see “bt” flashing 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, the word “bt” will stop flashing and remain solid.
5. You can control playback from your device or you can use the MP3 controls.

**Please note:** USB or SD input will override Bluetooth input.

### USB/SD Operation

Inserting a USB flash drive or an SD card into the corresponding port/slot will set the RPM85 to USB/SD mode and it will automatically begin to play music. **Please note:** The RPM85 will not recognize USB drives formatted in the NTFS format. Drives must be formatted in the FAT or FAT32 formats. Music file formats accepted are MP3, WAV, and WMA. Files must be properly formatted; simply changing the file extension to one of the specified file formats will not work.

### Music Playback (BT, USB/SD)

**Play button:** quickly press to play/pause current track.

**Stop button:** 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.

**MP3 Volume:** Use this control to adjust the volume level of MP3 output. Use the Master Volume to adjust the overall level of sound output.

### Folder Selection (USB/SD only)

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

**Stop button:** press for 5 seconds to select desired folder.

**Next button:** quickly press to go to next folder.

**Previous button:** quickly press to go to previous folder.

## Features/Specifications

- Individual Volume, Reverb, Bass, and Treble controls
- Adjustable effects: volume, echo, and delay
- Built-in Bluetooth playback
- USB/SD Inputs
- MP3 Volume control
- AUX volume control
- Master volume control
- Illuminated five band graphic equalizer
- Five segment LED power out display
- Eight balanced XLR inputs
- Eight ¼" TRS inputs
- One RCA L/R AUX input
- One RCA L/R Rec output
- One ¼" Effect return output
- One ¼" Line output
- Two ¼" TRS speaker outputs
- AC input: 120V
- +15V phantom power
- Fan Vent Cooling System
- Input impedance: **Mic:** 1K ohms, **Line:** 10K ohms, **Tape:** 10K ohms
- 2 second power-on mute delay protection circuit

### RMS Power Output:

- 300w x 2 @ 4 Ohm
- 225w x 2 @ 8 Ohm
- 600w x 1 @ 8 Ohm

### Program Power Output:

- 600w x 2 @ 4 Ohm
- 450w x 2 @ 8 Ohm
- 1200w x 1 @ 8 Ohm

### Peak Power Output:

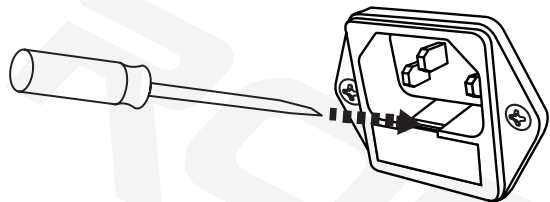
- 1200w x 2 @ 4 Ohm
- 900w x 2 @ 8 Ohm
- 2400w x 1 @ 8 Ohm

## Troubleshooting

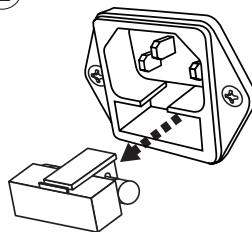
PROBLEM	SOLUTION
No power	<ol style="list-style-type: none"><li>1. Make sure the unit is plugged in and the power switch is in the ON position.</li><li>2. Check that the power cable is plugged in tightly to the unit.</li><li>3. Check and replace the fuse if necessary. See fuse replacement diagram on page 14.</li></ol>
No sound	<ol style="list-style-type: none"><li>1. Check that all appropriate cables are plugged in correctly.</li><li>2. Check the Master Volume settings.</li><li>3. Check the individual level control of each channel as well as the MP3 volume control and CD/Tape volume control.</li><li>4. Be sure your microphone(s) is on.</li></ol>
Noise	<ol style="list-style-type: none"><li>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.</li><li>2. Unplug the device(s) to see if the sound disappears.</li><li>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.</li></ol>
Buzzing sound	Make sure you are using a proper cable. 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.
Bluetooth pairing fails/no sound	<ol style="list-style-type: none"><li>1. Check to see that both devices are turned on and that your Bluetooth device is discoverable.</li><li>2. Turn both devices off and then on again.</li><li>3. Make sure you've selected the proper source.</li><li>4. Make sure that the Bluetooth device is within 5 feet of the unit.</li><li>5. Move both devices away from other Bluetooth devices, microwaves, wireless routers, and other electronics.</li><li>6. Make sure that the unit is not connected to a previously paired device.</li><li>7. Make sure that all volume controls are set properly.</li></ol>
No SD/USB playback	<ol style="list-style-type: none"><li>1. Make sure your SD card or USB flash drive is not damaged.</li><li>2. Make sure the SD card or USB drive is formatted as FAT or FAT32. Cards and drives formatted as NTFS are not recognized.</li><li>4. Check that the files on the media device are not corrupt.</li><li>3. Make sure the files are properly formatted (WAV, MP3, WMA).</li></ol>

## Fuse Replacement

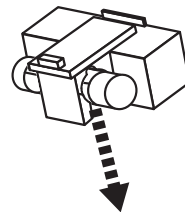
- ① Use a screwdriver to release the fuse holder.



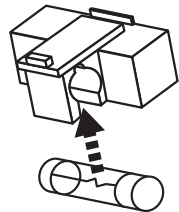
- ② Remove the fuse holder.



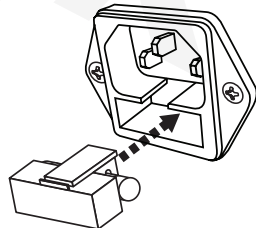
- ③ Remove the fuse.



- ④ Replace the fuse.



- ⑤ Re-insert the fuse holder.



## FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

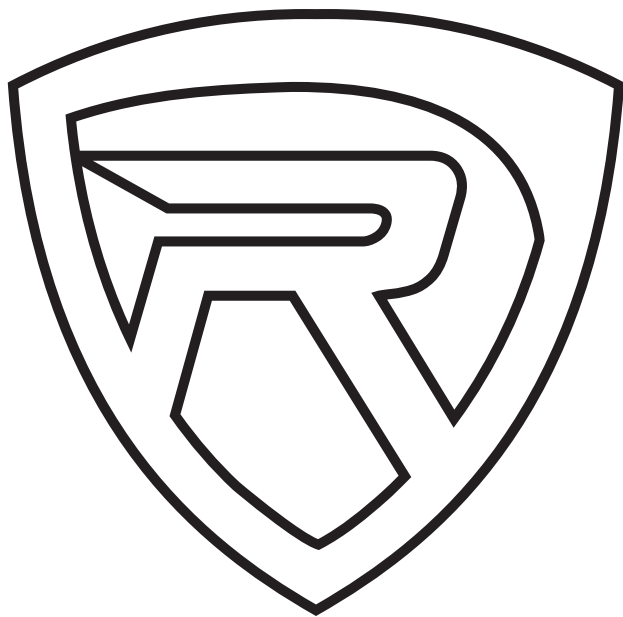
Address: 600 Bayview Ave.  
Entrance A  
Inwood, NY 11096

Hereby declares that the product RPM85 8 Channel 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.
- 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.



**RockvilleAudio.com**

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