ROCKVILLE

OWNER'S MANUAL

RPM45

4-CHANNEL WOOD CABINET POWERED MIXER w/USB

Who reads manuals?

Instead, go to vimeo.com/497775558 or scan the QR codeand watch a short video, which shows you how to set this item up and how to use it.

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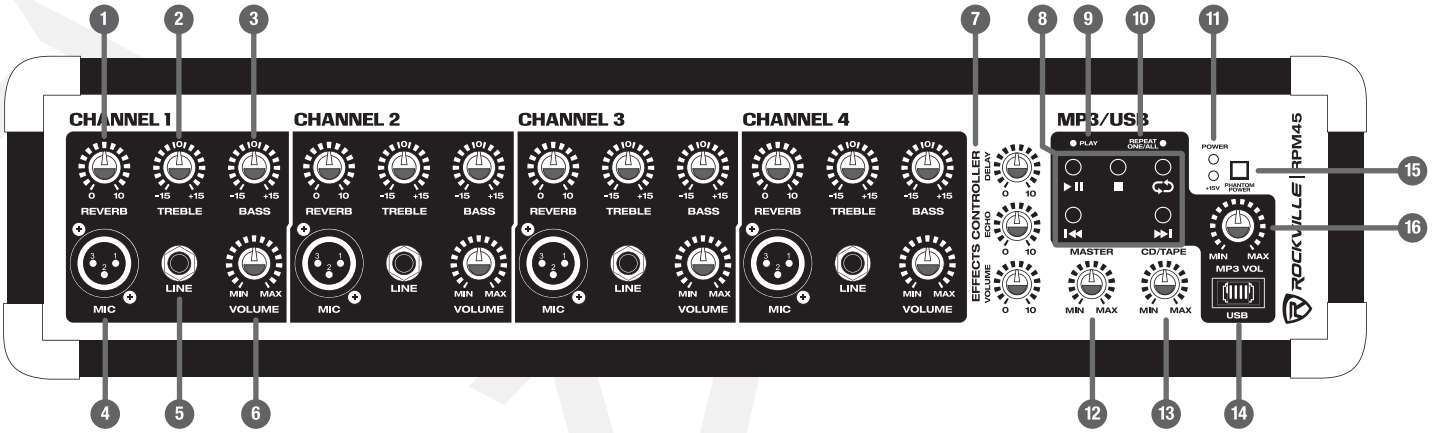
Thank you for purchasing this Rockville RPM45 4-Channel Powered Mixer with USB input. Please read this installation guide carefully for proper use of your Rockville RPM45. Should you need assistance, please call our technical help line at 1-646-758-0144, Monday through Thursday, 9am to 10pm EST., and 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 control: Controls the mount of reverb added to the input signals.
2. Channel Treble control: ±15dB
3. Channel Bass: ±15dB
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 15).**

5. Line/High impedance ¼˝ 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 EFFX 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. MP3 Player: **Play button:** Press during play to pause; press button again to resume play.
Stop button: Press during play to stop current track.
Repeat button: Press during play to repeat current song. Press again to repeat all songs. Press again to exit repeat mode.
Next button: Press to go to next track.
Previous button: Press to go to previous track.

9. Play LED indicates MP3 player is on.

10. Repeat One/All LED indicates repeat mode is on.

11. LED Power indicator

12. Master volume: Controls overall volume of the mixer.

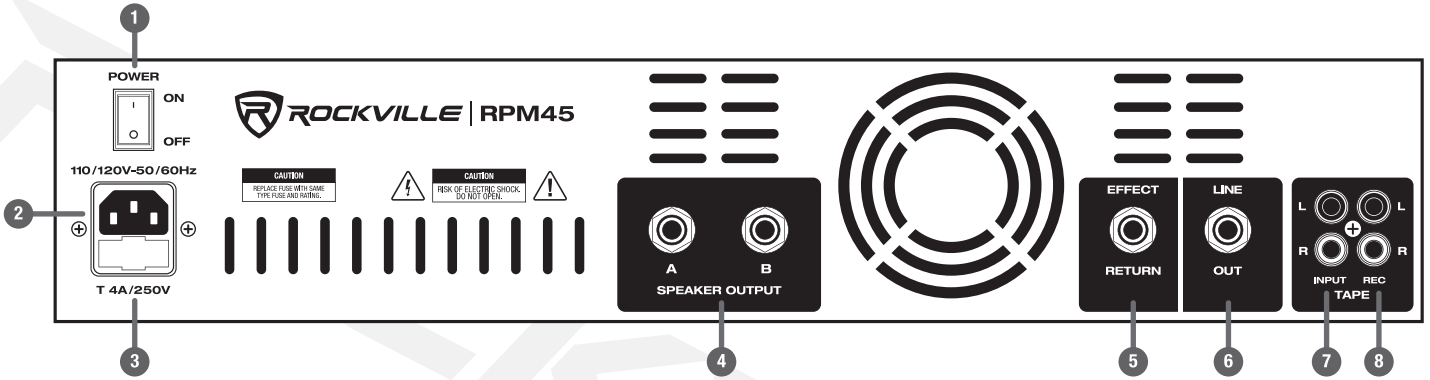
13. CD/Tape volume: Controls volume of line input.

14. USB port: Inserting a USB flash drive will set the RPM45 to USB mode and it will automatically begin to play music.
Please note: The RPM45 will not recognize USB drives formatted in the NTFS format. Drives must be formatted in the FAT or FAT32 formats.

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

16. MP3 volume: Controls USB input volume.

Functions (continued)



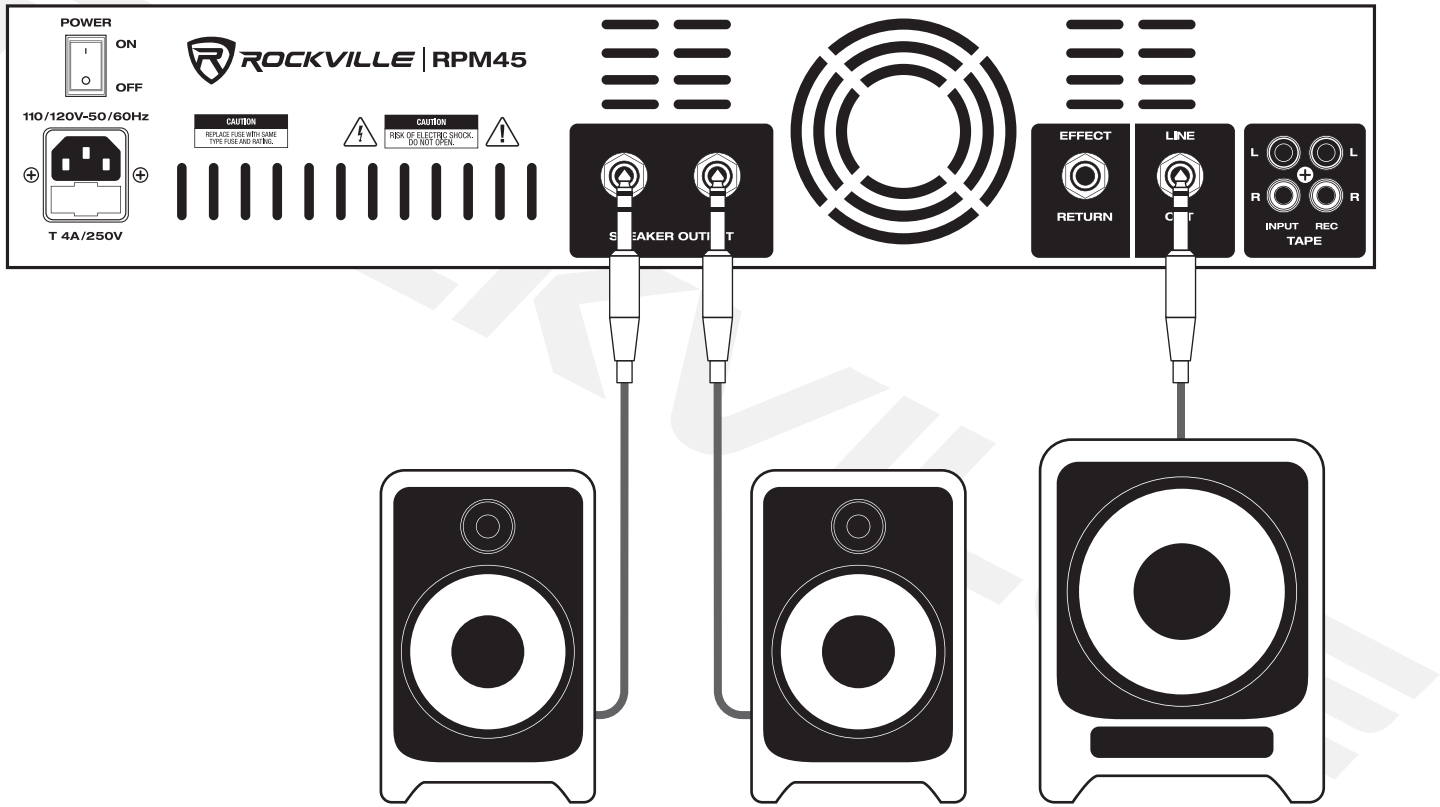
1. Power switch
2. IEC AC Power socket
3. User serviceable fuse
4. Speaker outputs: ¼˝ TRS jacks accept 4-ohm or 8-ohm speakers.

⚠ WARNING: Do not operate below rated minimum impedance.

5. Effect Return: 2-conductor ¼˝ line input connects the mixer to the output of an external effects device which is receiving an unamplified main mix signal from the LINE OUT jack.
6. Line Out: ¼˝ TRS line output is used to connect a powered subwoofer or to send the line signal to an external device.
7. Tape input: Used to connect line level sources such as DJ controllers, mixers, samplers, CD players, cassette decks, DAT machines, MP3 players, etc. Mono audio sources can be connected using an RCA “Y” cable connector.
8. RCA Record out: Sends signal to a recording device or any other line level device.

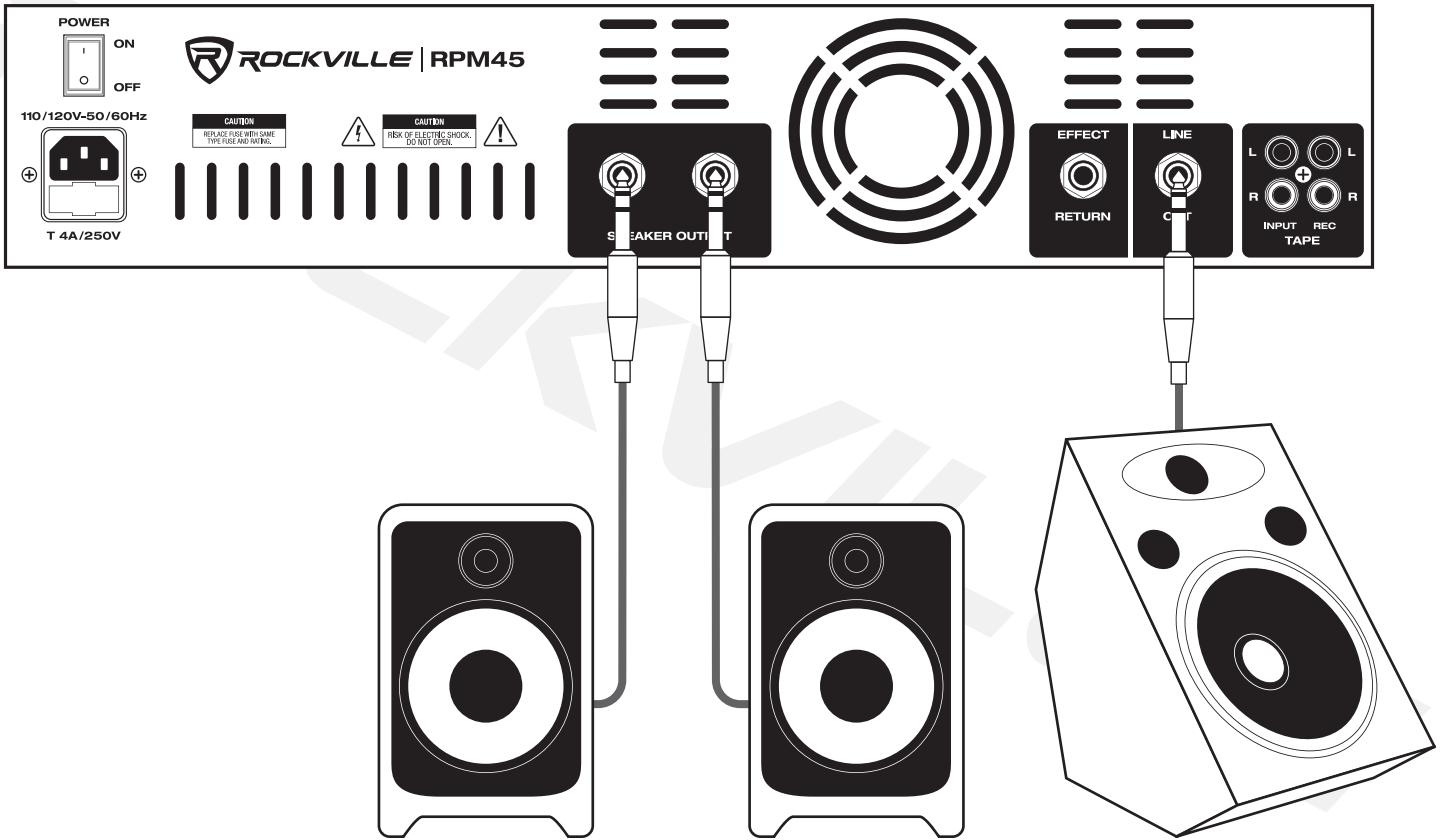
Setup

In this setup there is a powered subwoofer connected to the ¼˝ **Out** jack and two 8-ohm speakers connected to the ¼˝ **8-Ohm Speaker Outputs** on the back of the unit.



Setup (continued)

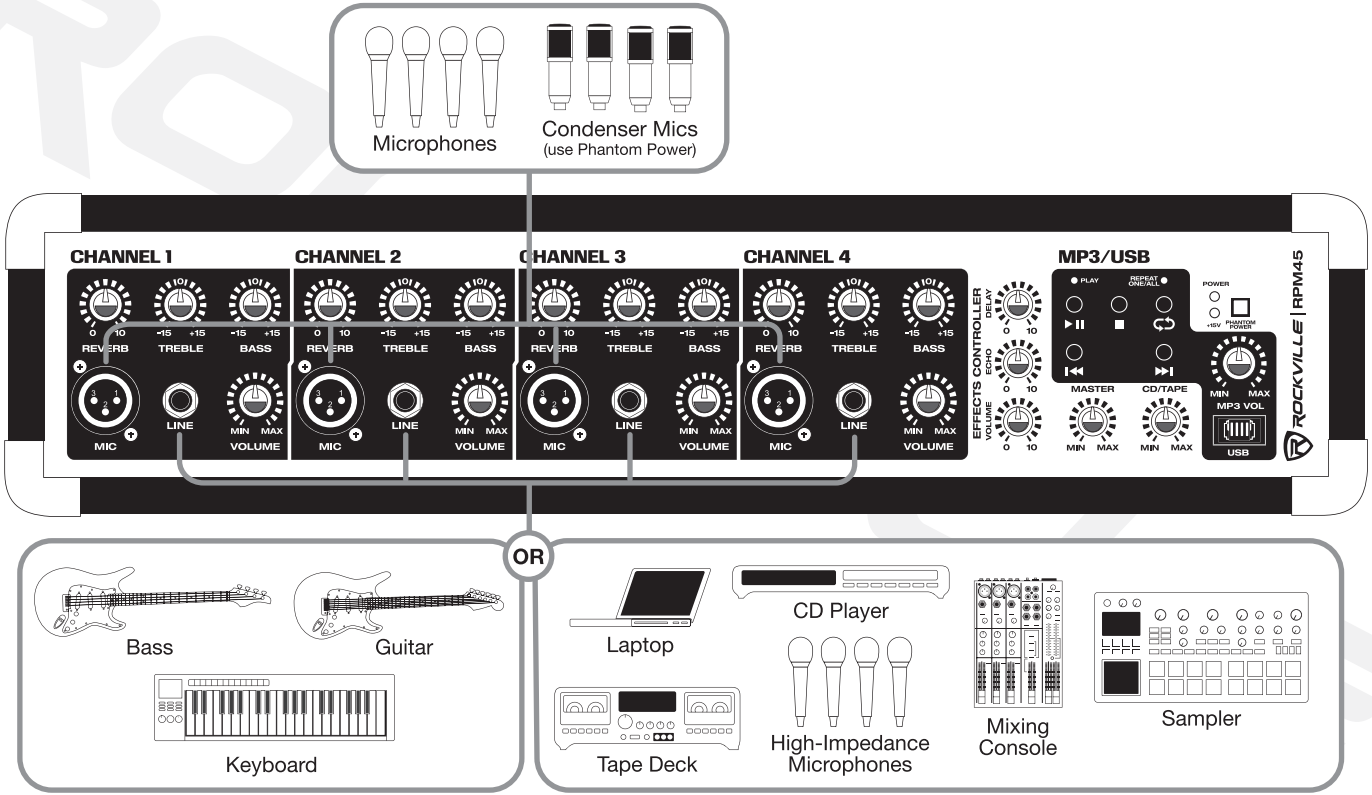
In this setup there is a powered stage monitor connected to the ¼˝ **Out** jack and two 8-ohm speakers connected to the ¼˝ **8-Ohm Speaker Outputs** on the back of the unit.



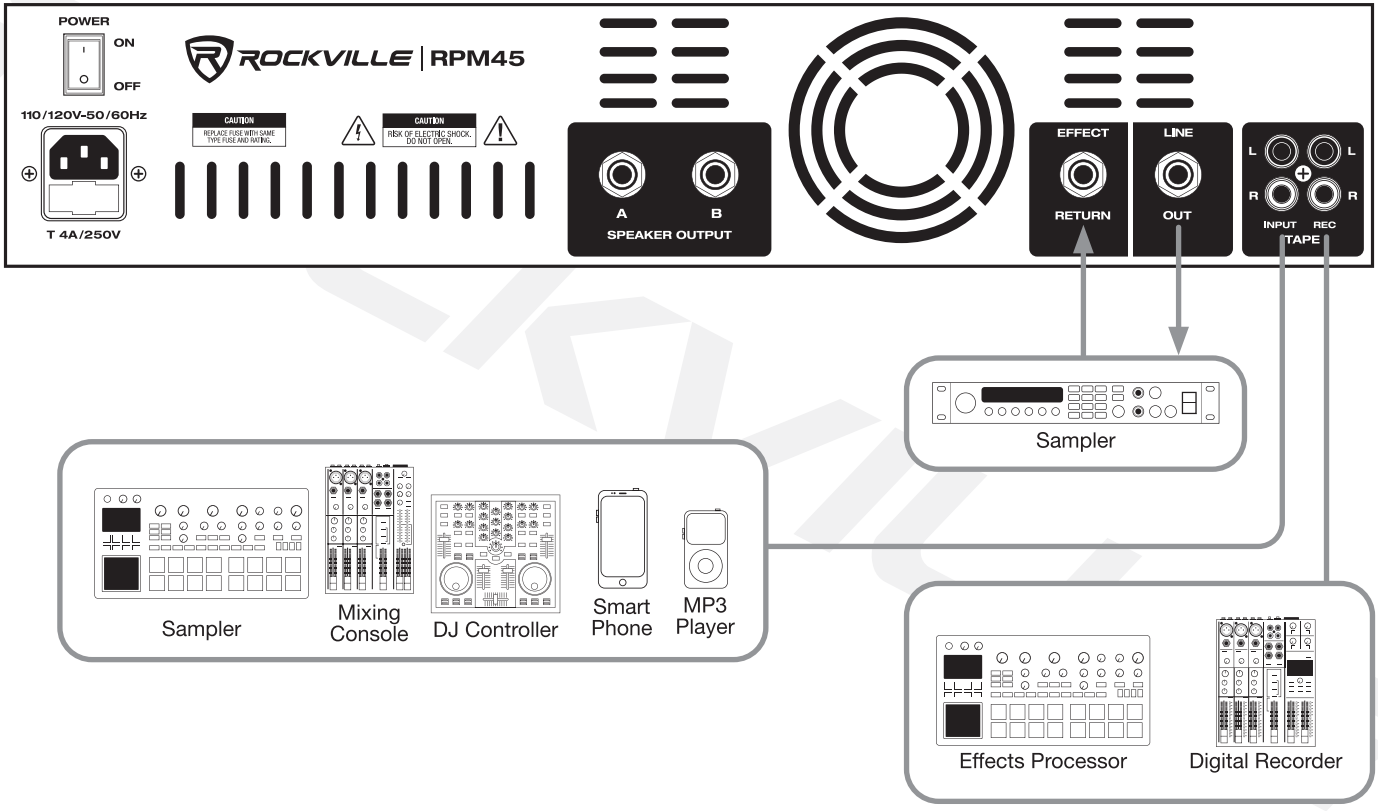
Connections

Once your speakers are hooked up, there are a variety of ways to use the RPM45'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 ¼˝ cable.



Connections (continued)



Operation

USB/SD Operation

Inserting a USB flash drive or an SD card into the corresponding port/slot will set the RPM45 to USB/SD mode and it will automatically begin to play music. **Please note:** The RPM45 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

Play button: Press to play/pause current track.
Stop button: Press to stop current track.
Next button: Press to go to next track.
Previous button: Press to go to previous track.
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.

Features/Specifications

- Individual Volume, Reverb, Bass, and Treble controls
- Adjustable effects: Echo and Delay
- USB Input
  Please note: The RPM45 will not recognize USB drives formatted in the NTFS format. Drives must be formatted in the FAT or FAT32 formats.
- MP3 volume control
- AUX volume control
- Master volume control
- Four balanced XLR inputs
- Four ¼″ TS inputs
- One RCA L/R AUX input
- One RCA L/R Rec output
- One ¼″ Effect loop input/output
- Two 8-ohm ¼″ TRS speaker outputs
- AC Input: 120V
- +15V phantom power
- Fan Vent Cooling System
- **RMS Power Output:** 225w x 2 @ 8 Ohm (parallel mono)
- **Program Power Output:** 450w x 2 @ 8 Ohm (parallel mono)
- **Peak Power Output:** 900w x 2 @ 8 Ohm (parallel mono)

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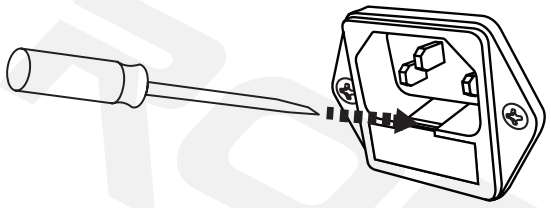
Troubleshooting

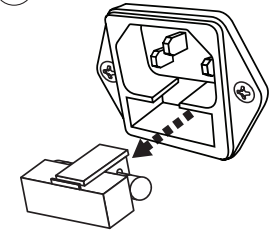
PROBLEM	SOLUTION
No power	1. Make sure the unit is plugged in and the power switch is in the ON position. 2. Check that the power cable is plugged in tightly to the unit. 3. Check and replace the fuse if necessary. See fuse replacement diagram on the next page.
No sound	1. Check that all appropriate cables are plugged in correctly. 2. Check the Master Volume settings. 3. Check the individual level control of each channel as well as the MP3 volume control and CD/Tape volume control. 4. Be sure your microphone(s) 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.
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.
No USB playback	1. Make sure your USB flash drive is not damaged. 2. Make sure the USB drive is formatted as FAT or FAT32. Drives formatted as NTFS are not recognized. 4. Check that the files on the media device are not corrupt. 3. Make sure the files are properly formatted (WAV, MP3, WMA).

Fuse Replacement

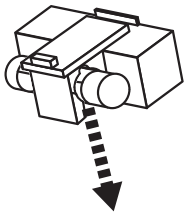
1. Use a screwdriver to release the fuse holder.



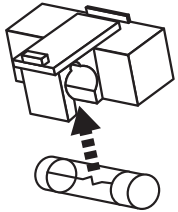
2. Remove the fuse holder.



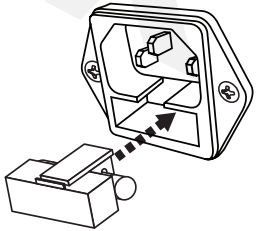
3. Remove the fuse.



4. Replace the fuse.



5. Re-insert the fuse holder.



Notes

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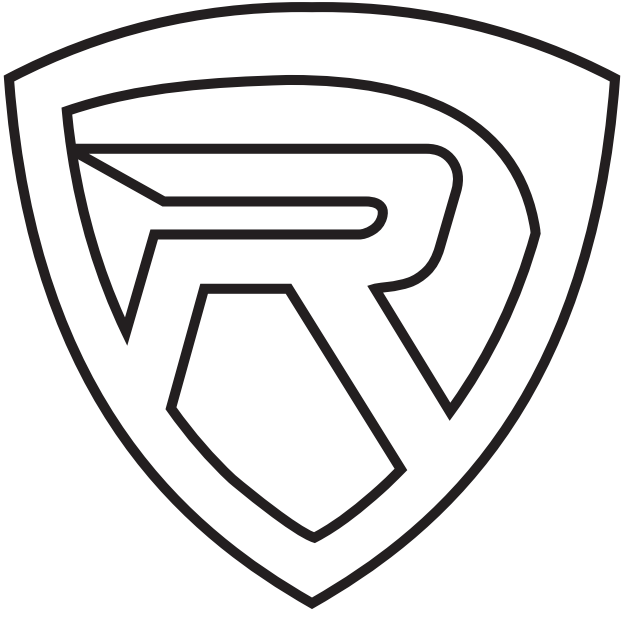

RockvilleAudio.com

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