ROCKVILLE

PPA51
PRO 1U RACK MOUNT PRE-AMPLIFIER
w/BLUETOOTH, USB, & PC INTERFACE
OWNER'S MANUAL

ATTENTION: WATCH THIS VIDEO BEFORE FIRST USE!

Who reads manuals?

Scan the **QR code** or go to **rockvillesupport.com/ppa51** 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.
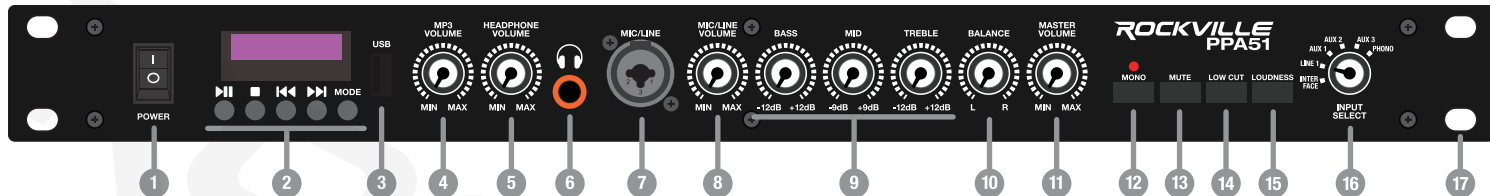
Thank you for purchasing this Rockville PPA51 Rack Mount Pre-Amplifier. Please read this installation guide carefully for proper use of your PPA51. Should you need assistance, please call our technical help line at 1-646-758-0144, 24 hours a day/7 days a week.

IMPORTANT SAFETY INSTRUCTIONS
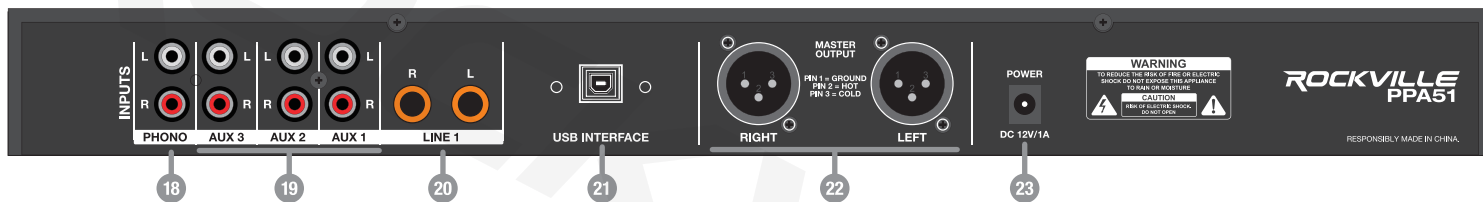
CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN

- To reduce risk of electric shock, never open the unit. There are no 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. Power switch

2. MP3 Player: **Play/Pause:** press to begin audio playback. During playback, press to pause and press again to resume.
   Stop: press to stop playback.
   Previous: press to go to the previous track.
   Next: press to go to the next track.
   Mode: use to switch between USB and Bluetooth input

3. USB input (MP3, WMA, and WAV files. Drives must be formatted as FAT or FAT 32)

4. MP3 volume: adjusts volume of USB or Bluetooth input.

5. Headphone volume control: adjusts volume of the headphone output.

6. ¼˝ Headphone output

7. XLR and ¼˝ Combo Mic/Line input

8. Mic/Line volume: adjust the volume of the mic/line input.

9. 3-band EQ: used to adjust the relative level of low, mid, and high frequencies.

10. Balance: adjusts the level of the left and right channels. The 12 o'clock position is the point of equal balance.

11. Master volume: controls the overall volume of the unit.

12. Mono/Stereo switch: when the unit is in Mono mode (LED will be lit) the two stereo channels are blended together to produce monophonic sound. This blend minimizes rumble and surface noise in old monophonic records. Push the button a second time (LED goes out) to get back to stereo.

13. Mute switch: pushing this button reduces the volume of the amplifier output signal by approximately 20 dB. Please note that muting has no effect on the Mic/Line input volume.

14. Low cut switch: allows you to cut off frequencies below 40Hz.

15. Loudness switch: controls the loudness compensation circuit, which at low-to-medium volume boosts the treble response.

16. Input selector switch: allows user to select between INTERFACE, LINE 1, AUX1, AUX2, AUX3, and PHONO inputs.

17. Rack ears: allows for unit rack mount using four attaching screws and washers (not included).

18. (1) RCA PHONO input

19. (3) RCA AUX inputs

20. L/R ¼˝ Line inputs

21. USB Interface

22. L/R XLR outputs

23. DC 12V power input

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.

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Functions (continued)

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: input from the USB port will override Bluetooth input.

USB Interface
The PPA51 features a USB computer interface. It will work with any DAW such as Pro Tools or Ableton live. You can record the final mix into one stereo channel in Pro Tools or any other DAW. Anything being played through the pre-amp will be recorded including the microphone input, as well as any source you are playing. It will be summed to one stereo channel in your DAW. You can also use Ableton live or any other software to play music as an input device on the preamp. So the interface is 2-way and you can use it as an input playback device or as an output recording device.

To engage the interface, set the input selector switch to INTERFACE. If you are doing a live event, you can record the mixed output to your DAW. If you want to record guitar or vocals, you can connect your mic or instrument to the combo jack and then the interface to your computer. There are a couple of options when doing this, depending on what the input selector is set to. When the input is set to the USB interface, the PPA51 will record your instrument/voice in addition to whatever is playing from your DAW. It will be summed to one stereo track. You should note that if you want to monitor your mix, you will need to plug your headphones into your laptop or use external monitors. Alternatively, you can set the input source to an input that is inactive, and you will be able to record your instrument/voice onto its own separate track. Another really cool thing you can do is play a song using aux or Bluetooth and plug a mic or instrument into the combo jack and record the final mixed track into your DAW in real time!

USB Operation
Inserting a USB flash drive into the USB port will set the PPA51 to USB mode and it will automatically begin to play music. The unit accepts MP3, WMA, and WAV files. Drive must be formated as FAT or FAT 32.

Features

• Rockville PPA51 Preamp Pro 1U Rack Pre-Amplifier w/Bluetooth/USB/PC Interface

• Top of the line professional preamp with low noise and high sound quality

• Built-in reliable Bluetooth audio playback with long range

• Built-in USB/computer interface allows you to record the master output to your DAW or to play songs from your favorite software on your computer

• Built-in USB MP3 player (accepts MP3, WMA, and WAV files. USB drive must be formatted as FAT or FAT32)

• (3) RCA aux inputs

• (1) RCA Phono Input

• (1) XLR and ¼″ Combo jack front mic/line input

• (2) ¼″ Inputs (mono or stereo)

• (2) XLR outputs (stereo or mono)

• 1U rack mount size

• Built-in 3-band equalizer (bass, mid, treble)

• Left/Right balance adjustment

• Mono/Stereo selectable

• Mute

• Low-cut crossover filter: cuts off frequencies below 40Hz.

• Headphone output for listening or monitoring

• Loudness compensation circuit which boosts the bass and treble response at low-to-medium volume

• 100-240V worldwide voltage power adaptor

Specifications

General

• Frequency Response: 5Hz – 30kHz +0, -3dB

• Bass: ±12dB at 100Hz

• Midrange: ±9dB at 1Hz

• Treble: ±12dB at 10kHz

• Mute: -20dB

• Power: 100V/240V, 50/60Hz Worldwide voltage power adapter

• Power Consumption: 15W

Impedance

• Mic: 1mV/3K ohms

• PHONO: 3mV/47K ohms

• Pre Output: 150mV/22K ohms

Total Harmonic Distortion

• Mic: <0.02%

• PHONO: <0.04%

• RCA Aux: <0.01%

Signal to Noise Ratio

• Mic: >70dB

• PHONO: >90dB

• RCA Aux: >100dB

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.
No sound	1. Check that all appropriate cables are plugged in correctly. 2. Check the unit's volume settings as well as those of the signal source device. 3. Make sure your microphone is on. 4. Make sure proper input source is selected.
Noise	1. Unplug input device(s) to see if the sound disappears. 2. 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.
Bluetooth pairing fails/no sound	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 on the PPA51. 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 the unit is not connected to a previously paired device. 7. Make sure that all volume controls are set properly.
No USB playback	1. Make sure your USB flash drive is not damaged. 2. Check that the files on the media device are not corrupt. 3. Make sure the files are properly formatted (WAV, MP3, WMA). 4. USB drive must be formatted as FAT or FAT32.

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

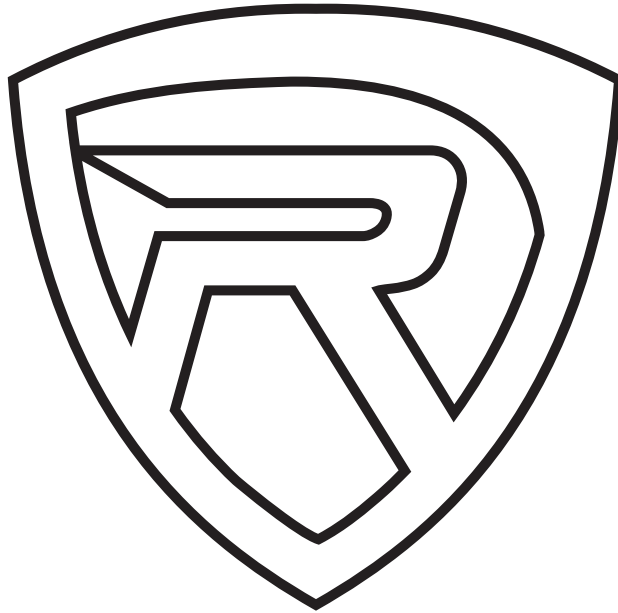Address: 600 Bayview Ave.
      Entrance A
     Inwood, NY 11096

Hereby declares that the product PPA51 Rack Mount Pre-Amplifier 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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