

ROCKVILLE

BluAmp 90

HOME STEREO BLUETOOTH RECEIVER AMPLIFIER
w/MIC, PHONO, and HDMI INPUT

OWNER'S MANUAL

ATTENTION:

WATCH THIS VIDEO BEFORE FIRST USE!

Who reads manuals?

Scan the **QR code** or go to **rockvillesupport.com/bluamp-90** 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 BluAmp 90 home stereo Bluetooth amplifier.

Huge Power!

The BluAmp 90 is loaded with 400 watts of peak power and 100 watts continuous RMS! The built-in amplifier is loud enough to maximize a set of bookshelf speakers, ceiling speakers, or wall mount speakers. It also sounds great with tower speakers.

Expandable

This is more than an amplifier. The BluAmp 90 will be the control center for your home stereo system or your karaoke system. There are one group of RCA outputs allowing you to connect additional powered speaker(s)/Amplifier(s). The RCA input is selectable as AUX or PHONO so you can use it to connect a turntable or any other analog audio device. The optical input allows you to connect to any digital audio source such as a television. The HDMI ARC input will connect to an HDMI ARC enabled port on any modern television. It also has built-in Bluetooth, USB/SD playback, and coaxial input.

Great for Karaoke

There are two mic inputs along with echo control and mic volume controls, which makes this amp perfect for karaoke parties.

Full Function Remote

The remote control that is included will allow you to access all functions of the receiver quickly and efficiently.

Adjustable Equalizer Settings

The adjustable bass and treble controls will allow you to fine-tune your music to your taste.

Please read this guide carefully for proper use of your Rockville BluAmp 90. Should you need assistance, please call our technical help line at 1-646-758-0144, 24 hours a day/7 days a week.

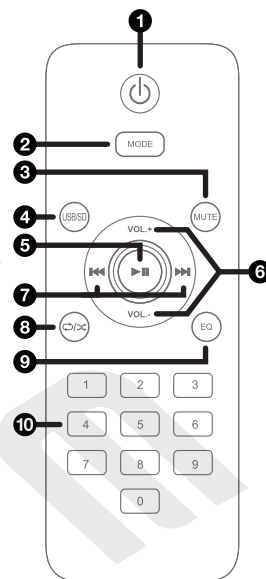
IMPORTANT SAFETY INSTRUCTIONS

- To reduce risk of shock, never open the unit. There are no user-serviceable parts. For service, return the unit to the Rockville service center.
- Do not place this unit near heat sources, expose it to direct sunlight, or expose it to any kind of moisture.
- Do not place anything on top of the unit. Doing so will block vents and cause the unit to overheat.
- Please ensure that the unit is situated in a properly ventilated area.

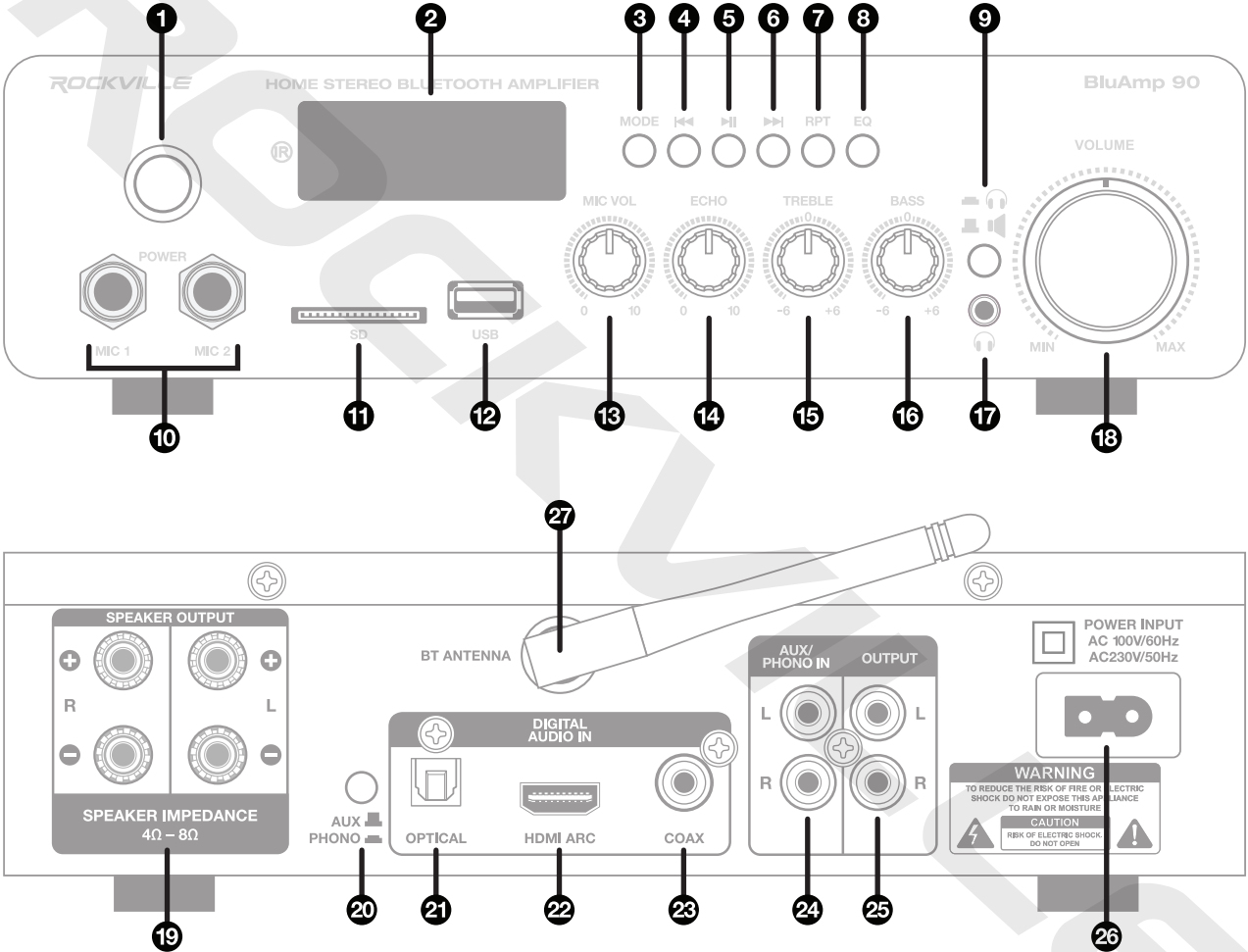
FUNCTIONS

Remote Control

1. Power: Press to enter or exit stand-by mode. Please note: To turn the unit off completely, you must press the power button on the unit itself.
2. Mode: Press to switch input modes (Bluetooth, USB, SD, PHONO/AUX, HDMI, Optical, and Coaxial).
3. Mute: Press to mute all sounds.
4. USB/SD: Press to go to USB/SD mode. Press again to switch between USB and SD input.
5. Play/Pause: Press to start or pause audio playback in BT and USB/SD mode.
6. Vol+/Vol-: Press to increase or decrease volume.
7. ⏮ and ⏭: Press to skip tracks in USB/SD and Bluetooth modes. Press and hold to rewind or fast-forward (USB mode only).
8. Repeat: Press once to repeat all tracks, press again for random mode, press again to repeat the current track; press again to repeat all tracks within a folder, and once again to play random tracks within that folder (USB/SD mode only).
9. Press to select EQ preset: rock/jazz/vocal/normal/3d/classical/pop.
10. Number pad: Use to select tracks in USB/SD.



FUNCTIONS



1. Power button
2. LCD display
3. Mode: Press to switch input modes (USB/SD, DVD/CD, optical, coaxial, and Bluetooth).
4. ◀◀/Previous: Return to previous track (USB/SD/BT). Press and hold to rewind (USB mode only).
5. Play/Pause: Press to start or pause audio playback.
6. ▶▶/Next: Proceed to the next track (USB/SD/BT). Press and hold to fast-forward (USB mode only).
7. Repeat: Press once to repeat all tracks; press again for random mode; press again to repeat the current track; press again to repeat all tracks within a folder; and once again to play random tracks within that folder (USB/SD mode only).
8. Press to select EQ preset: rock/jazz/vocal/normal/3d/classical/pop.
9. Headphone/speaker output select button
10. ¼" Mic inputs
11. SD card slot
12. USB port
13. Microphone volume control
14. Mic echo control
15. Treble control
16. Bass control
17. 3.5mm headphone output
18. Volume (does not affect mic output volume)
19. L/R Binding post/Banana speaker outputs
20. Phono/Aux input select button
21. Optical input
22. HDMI ARC input
23. Coax input
24. Aux/Phono RCA audio input
25. L/R RCA audio output
26. AC input power cord: 100V/230V~60Hz/50Hz
27. Bluetooth antenna

BLUETOOTH

Pairing

1. Make sure the Bluetooth antenna is properly connected and upright. Turn on the Bluetooth feature on your device and ensure that it is in discoverable mode.
2. Press the Mode key until the display screen flashes "bt".
3. Once in Bluetooth mode, look for "BluAmp 90" on your device and select it.
4. If pairing is successful, "bt" will stop flashing and remain on the display screen.

Please note that the unit will remember the last paired device. To unpair the unit, disconnect the BluAmp via your device.

Playback

1. Play/Pause: Press once to play current track; press again to pause.
Previous/◀◀ and Next/▶▶ controls: Press to return to previous track or proceed to the next track.
2. Playback functions may also be controlled from the remote control, the unit front panel control's, or your Bluetooth device.

USB/SD

1. Insert a USB drive or SD card into the corresponding port on the front panel. The unit will automatically begin to play music stored on the external device.

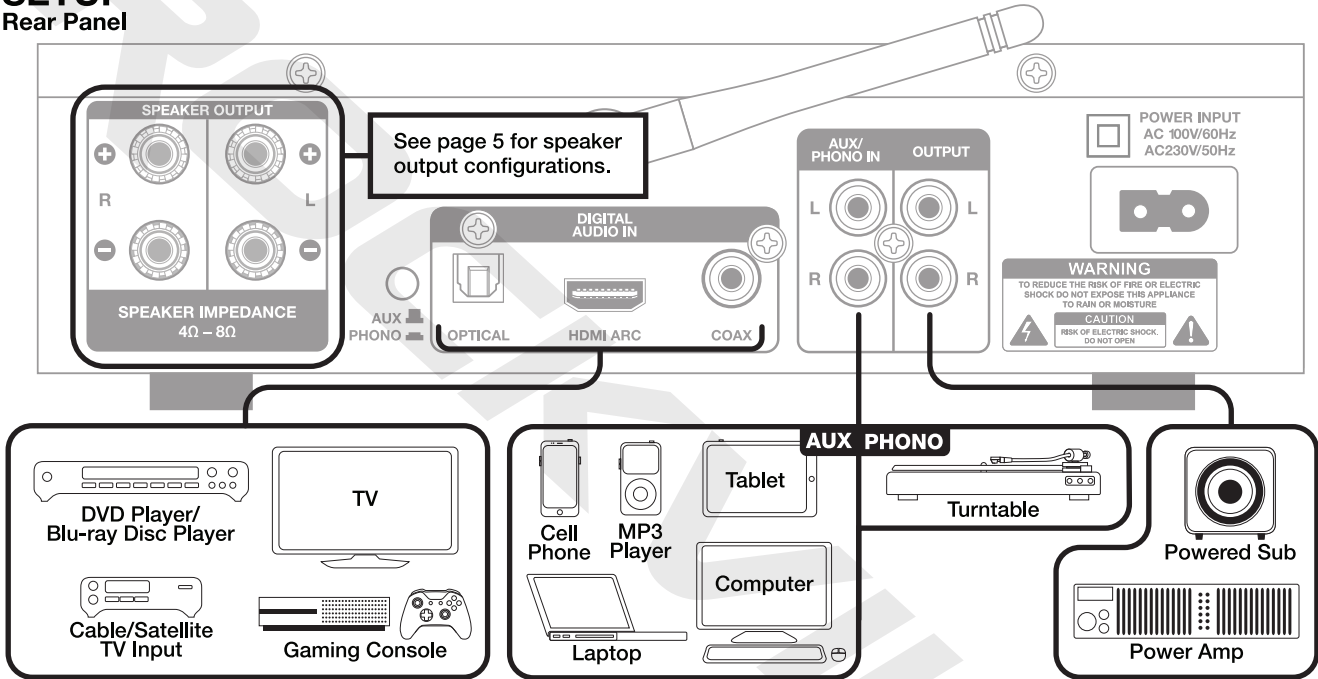
Playback (controlled from the unit or the remote control)

1. Play/Pause: Press once to play current track; press again to pause.
2. Previous/◀◀ and Next/▶▶ controls: Press to return to previous track or proceed to the next track. Press and hold to rewind or fast-forward.

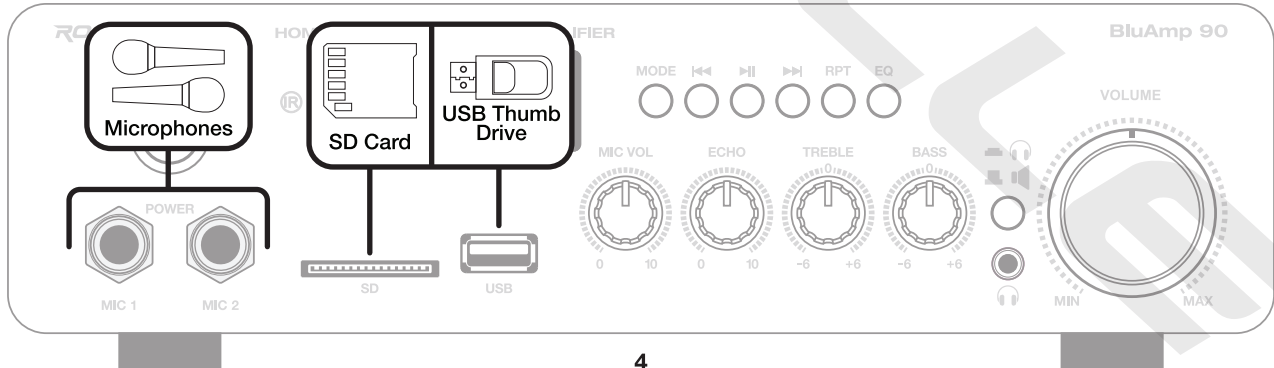
USB/SD (continued)

Please note, inserting a USB drive/SD card will override Bluetooth mode. Formatting the USB drive/SD card is not necessary, but if you do so, use the FAT32 format. Supported file formats: MP3, WMA, WAV.

SETUP
Rear Panel



Front Panel



SETUP (continued)

CHOOSING COMPATIBLE SPEAKERS

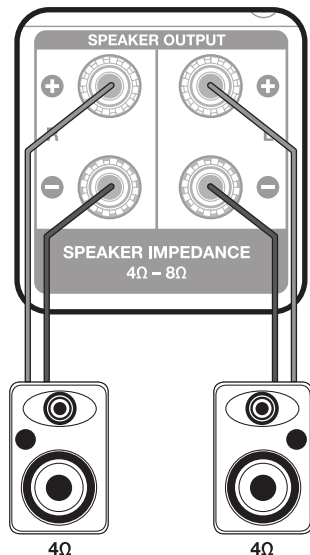
Speaker Types

Full-Range Speakers: These are speakers that can produce a full range of sound. They usually come in a 2-way configuration (woofer and tweeter) or a 3-way configuration (woofer, tweeter, and mid-range driver). They can vary in size from 6.5" to 15". The quantity and type will be determined by the size of the room and the specific requirements of your karaoke set-up. We recommend our KPS or SPGN series of speakers as well as bookshelf and home audio speakers, which can be found at RockvilleAudio.com.

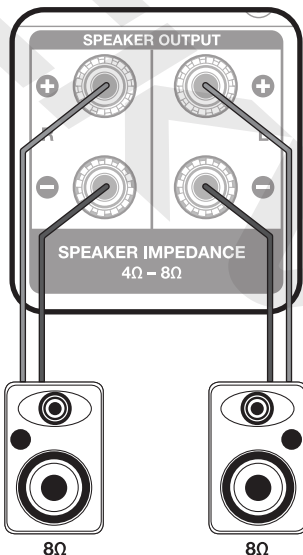
Matching Impedance: It's important that you match the impedance of your speakers to your amplifier. The BluAmp 90 has a minimum speaker impedance of 4 ohms; hence, the total impedance of your speakers **must not be less than 4 ohms**.

SPEAKER CONFIGURATIONS

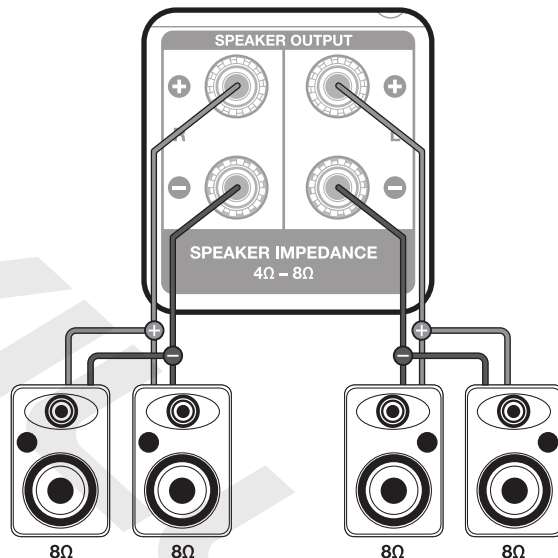
1. One 4-ohm speaker attached to each channel.



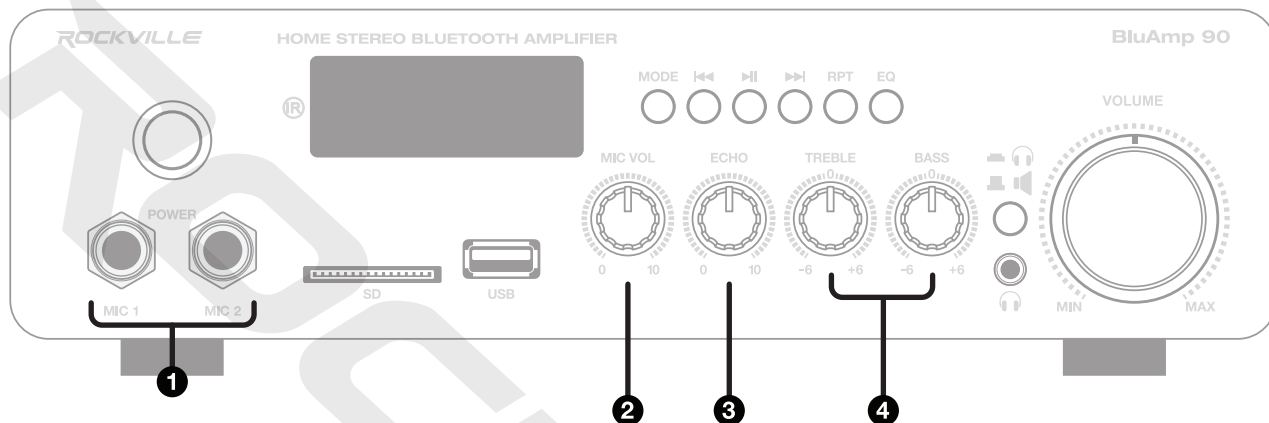
2. One 8-ohm speaker attached to each channel.



3. Two 8-ohm speakers, in parallel, attached to each channel.



MIC CONNECTIONS, MIC VOLUME, ECHO, and EQ



1. Connect wired mics (not included) to either one of the 1/4" mic jacks.
2. **Microphone Volume:** Adjusts the volume of microphone output.
3. **Echo:** The echo effect adds a series of repeated, decaying echoes to a sound. Equalizing (treble and bass controls, see below) the delays will change a room's sound characteristics from one that has reflective surfaces (brighter-sounding echoes) to one that is totally absorptive (darker-sounding echoes).
4. **Equalizer:** The bass and treble controls allow the user to make adjustments to these settings, which will affect overall sound output (mics and music).

USING YOUR BLUETOOTH-ENABLED DEVICE FOR KARAOKE

1. Choose a device to use as your karaoke viewing screen (iPad, iPhone, Android, tablet, or laptop). We recommend using the Rockville IPS20 Tablet/SmartPhone/iPhone/iPad Tripod Stand to support your device. Find it at RockvilleAudio.com.
2. Turn on your device and the BluAmp 90. Pair the two using the Bluetooth feature (follow the pairing procedures on page 3).
3. Next go to www.youtube.com on your device and type the name of the song you would like to sing (+ the word karaoke) into the YouTube search field.
4. Adjust the volume of the BluAmp 90 and microphones as you see fit. Now you're ready to sing!

FEATURES/SPECIFICATIONS

- Rockville BLUAMP 80 Home Stereo Bluetooth Receiver Amp w/Mic, Phono, HDMI Input
- 4 Ohms: 50 x 2 watts RMS and 200 x 2 watts peak
- 8 Ohms: 30 x 2 watts RMS and 120 x 2 watts peak
- Built-in Bluetooth with 33 foot range and an antenna for better reception
- Plays music stored on a USB storage device or memory card
- Mic inputs with echo for karaoke
- Class D circuit with great sound quality
- Selectable RCA aux/phono input to connect a record player or any analog audio device
- Bass/Treble/Mic and Master Volume controls
- Built-in Pre-Amplifier with low distortion
- LCD Display
- Frequency Response ($\pm 3\text{dB}$): 22 Hz- 20 KHz
- AUX Input Impedance: 10k Ohms
- AUX Input Sensitivity: 300mV
- Phono input impedance: 47K
- Phono input sensitivity: 20mV
- Output Impedance: 4-8ohm
- Total Harmonic Distortion(THD): $\leq 0.5\%$
- Signal-to-Noise Ratio(S/N): $\geq 78\text{dBA}$
- Bluetooth Version: 5.0
- USB : Supports WAV/MP3/WMA
- 100-230V

INPUTS/OUTPUTS

- Front: two $\frac{1}{4}$ " mic inputs
- Front: USB/SD inputs, built-in Bluetooth, 3.5mm headphone output
- Rear: Optical, HDMI ARC, and Coaxial inputs, One set of RCA inputs, one set of RCA outputs
- Two binding post speaker output terminals support 2-speaker or 4-speaker setups

TROUBLESHOOTING

PROBLEM	SOLUTION
No power	• Make sure the unit is properly plugged in • Make sure that the power switch is in the ON position. • Make sure that the unit is not on standby (press the power button on the remote).
Bluetooth pairing fails	• Make sure both devices are turned on and that your BT device is discoverable. • Make sure you've selected the proper source on the unit. • Make sure the BT device is within 5ft of the unit. • Move both devices away from other BT devices, microwaves, wireless routers, and other electronics. • Make sure the unit is not paired to another device. • Make sure the Bluetooth antenna is in the upright position.
No sound	• Make sure the correct input source is selected. • Check the master volume and mic volume controls as well as the volume settings of the input source. • Check all input connections as well as all output connections.
Microphone feedback	• Make sure the microphones are not pointed toward or are too close to the speakers. • Adjust the treble settings on the EQ panel.
No sound from microphones	• Make sure the microphones are turned on. • Check all mic connections. • Check individual microphone volume settings. • Make sure the microphones are in proper working order.
No USB/SD playback	• Make sure you've selected the proper mode, USB/SD (see page 3 and 4). • Make sure that the audio files are in the proper format (see pages 3 and 4). • If you've opted to format your USB drive/SD card, make sure you have chosen FAT32. • Make sure that the SD card or USB drive is properly plugged in. • Check the SD card or USB drive for damage.

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

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

Hereby declares that the product Rockville BluAmp 90 Home Stereo Bluetooth 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.



RockvilleAudio.com

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