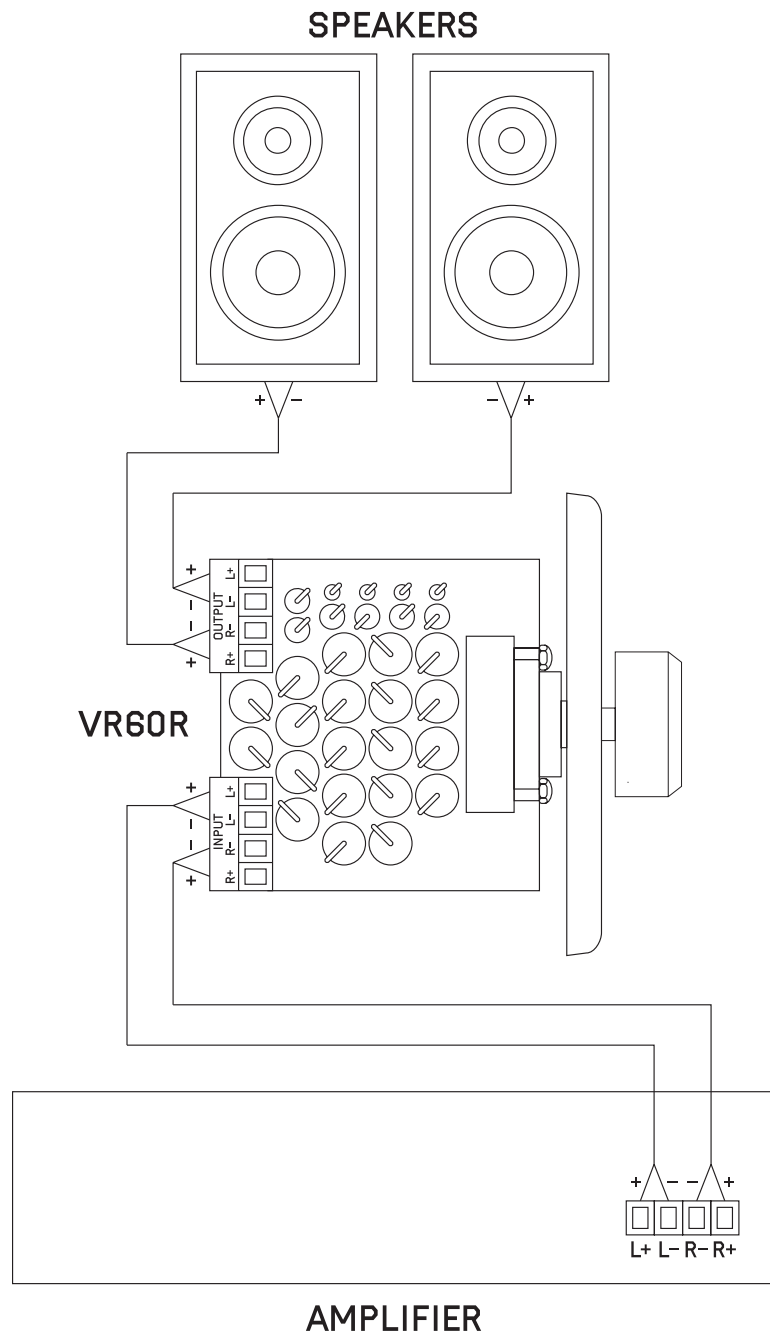
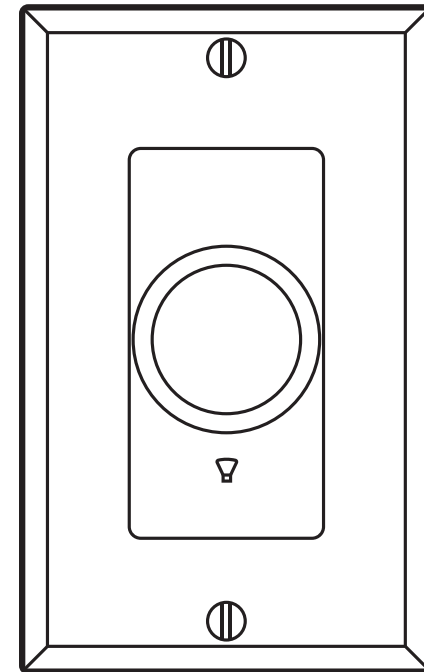


Typical Wiring Diagram



Rotary Audiophile Grade Speaker Volume Control



Model: VR60R
User Manual

Congratulations on your purchase of the Audtek Electronics™ VR60R Rotary Audiophile Grade Speaker Volume Control. This product was manufactured with the highest quality components and designed to deliver superior performance.

Features:

The Audtek Electronics™ Audiophile Grade Volume Controls were designed to deliver pristine sound. High-quality non-inductive resistors are used to taper the power without affecting frequency response. Due to the natural flat impedance, power in is truly power out. Transformer based volume controls typically roll-off both ends of the audible frequency spectrum and results in a loss of bass and “air” that effectively changes the timbre of the music.

Use of multiple volumes controls within a home or office requires the use the Audtek Electronics™ MSDB-8 for proper amplifier impedance protection. Up to eight sets of speakers (one set per volume control) can be used in this fashion without the need for speaker switching devices. The Audtek Electronics™ MSDB-8 uses non-inductive resistors for impedance protection to ensure the fidelity of the input signal.

Each package contains three different color inserts and covers to match most decors. To install or remove the insert, gently apply pressure to the rear tabs of the unit. Removable PCB wiring connectors accept up to 14 gauge wire and allow you to pre-wire a system during new construction before the drywall stage, reducing the risk of damage to the unit. The connectors quickly snap into place when construction is complete.

Specifications:

Power Handling:	60 Watts per channel max
Input/Output Wire	Up to 14 AWG (compression quick connects)
Specifications:	
Mounting configuration:	Standard single duplex electrical box
Dimensions:	4" H x 1-1/2" W x 2-5/8" D (depth in wall 2-1/2")

Installation Instructions:

- 1. Select Location-** Select a convenient location in each room or area that speakers are desired. You will need one volume control for each pair of speakers. The most common height is the same level as the electrical light switches in your home or office.

CAUTION: *Be certain that there are no electrical wires, water pipes, heat or cold air return ducts in the planned installation area before you start cutting into the wall. If there is an electrical outlet anywhere nearby, turn off the circuit breaker to avoid possible injury. Use of an electrical wire finder and/or stud finder (found at most home center stores) may be of assistance.*

- 2. Mounting Box-** The volume control is made to be mounted into a standard single duplex electrical box (also found at most home center stores). Mount the box using the instructions provided.

- 3. Speaker Wire-** Use UL approved CMR, CL-2 or CL-3 jacketed speaker wire when possible. Use minimum 16 gauge wire on runs under 100 feet and 14 gauge on runs over 100 feet. You should run one, 4 conductor wire from the amplifier location to each volume control, this is called “home run” wiring. Next, run a 2 conductor wire from the volume control to each speaker location.

- 4. Connector Hookup-** Remove the green speaker PCB connectors from the back of the unit. Loosen the set screws in the connector.

When hooking up the speaker wires to the connectors be sure to observe the correct polarity. This is very important because improper polarity will cause unwanted frequency response aberrations. It is also important to make sure that the wires from the amplifier are connected to the “Input” and the speaker wires are connected to the “Output”.

Leave approximately 6-8 inches of wire length inside the box. For future reference, mark the wires inside the box with their location using a permanent marker. Remove 2" of the jacket from the speaker wire. Using wire strippers remove about 1/4" of insulation from each wire. Twist the strands of wire tightly before inserting them into the connectors (for the best possible connection, you may want to tin the wires if you have a soldering iron available). Insert the speaker wires into the connectors and tighten the set screws.

- 5. Attach Connectors-** Push the green connectors with wire attached onto the posts on the PCB.

- 6. Installing the Control-** Install the control in the single duplex gang box by gently pushing the wires into the box and mounting the control using the two 1" flathead screws supplied. DO NOT OVERTIGHTEN.

- 7. Reinstall Wall Trim Plate-** With the two 1/4" screws removed earlier reinstall the trim plate.

- 8. Setting Impedance-** Set the volume control to the proper impedance using the chart listed above.

- 9. Finishing Touches-** At the amplifier location you should install a Speaker Distribution Panel (SDP4). Mount the distribution panel using the instructions provided.