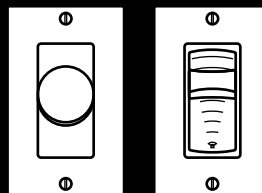




User Manual

Stereo Volume Controls



VCK-100-AIW

VCS-100-AIW

Instructions:

By matching the minimum output impedance of the receiver or amplifier and adjusting volume, TRUAudio impedance-matching volume controls eliminate the need for other impedance matching equipment.

Determining the jumper setting for Impedance-Matching: To protect the amplifier from overload and damage, the jumper must be set in a position that correctly multiplies the impedance of the speaker system to a level that is equal to or greater than the impedance of the amplifier.

Step #1 Determine the amplifier's minimum impedance. (The impedance of the amp can be found in the specifications page of the manual and is sometimes listed on the back panel of the amp near the speaker terminals). Impedance is measured in ohms. (Most amps will run 8 or 4 ohms).

Step #2 Determine the total number of speaker pairs.

Step #3 Use the chart below to determine the correct jumper setting.

Step #4 Set the jumpers. NOTE: Make Sure every jumper setting is set the same throughout the system!

Impedance-Matching Volume Controls									
Number of 8-ohm Pairs	1	2	3	4	5	6	7	8	
Jumpers Settings	2X	2X	4X	4X	8X	8X	8X	8X	

Connecting the Volume Control

Step #1 If necessary, assemble your volume control. For knob style, first attach the backing plate to the metal frame by aligning the tabs with the corresponding cutouts, then attach the knob onto the post. For slider style, first orient the backing plate so that the small circular protrusion lines up with the hole in the metal frame. Next, slide both the switch and the slider to the lowest setting. Lastly, making sure everything is aligned, attach the backing plate to the metal frame by aligning the tabs with the corresponding cutouts.

Step #2 Strip about 1/4" of the insulation off the ends of all wires. Twist the exposed ends to eliminate loose strands.

Step #3 Connect the leads from the Receiver/ Amplifier to the volume control connector labeled "INPUT". Insert the LEFT L(+) and L(-) into the corresponding openings. Tighten the screws firmly, making sure that the exposed wire is engaged, not the insulation!

Step #4 Repeat process while connecting R(+) and R(-) wires from the amplifier.

Step #5 Connect the speaker wire to the connector labeled "OUTPUT". Observe channel and polarity output.

Step #6 Install the completed volume control into the junction box. Insert carefully to avoid putting strain on the connectors.

