



Instruction Guide and Owner's Manual

Impedance/Non Impedance Matching Stereo Volume Control

VCK-100 • VCS-100

Instructions:

This TruAudio volume control is both an impedance and non impedance volume control. By leaving the switch on the volume control at the default (1X) setting it will be set for non impedance, a single pair of 8 ohm speakers. By setting the switch to match the number of pairs of speakers in the system this volume control can also do impedance matching. 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 switch 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 total number of speaker pairs (8ohm) connected to the system.

Step #2 Use the chart below to determine the correct setting.

Impedance-Matching Volume Controls

Number of 8-ohm Pairs	1	2	3	4	5	6	7	8
Switch Settings	1X	2X	2X	4X	4X	8X	8X	8X

Step #4 Set the switch. NOTE: Make sure every switch setting is set the same throughout the system!

NOTE: These setting are only guide lines. If you are having a problem with you amp going into protection, move all your setting up one.

Connecting the Volume Control

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

Step #2 Connect the leads from the Receiver/ Amplifier to the volume control connector labeled "INPUT". Insert the LEFT L(+) and L(-) into the corresponding openings. Make sure latch is firmly in place, making sure that the exposed wire is engaged, not the insulation!

Step #3 Repeat process while connecting R(+) and R(-) wires from the amplifier.

Step #4 Connect the speaker wire to the connector labeled "OUTPUT". Observe channel and polarity output.

Step #5 Install the completed volume control into the junction box. Insert carefully to restrain on the connectors.

If you have any questions regarding this or any other TRUAUDIO products, please call 1-888-858-1555, Monday – Friday, 7:00 am – 6:00 pm MST.

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