



Impedance Matching Outdoor Speaker Volume Control 100W

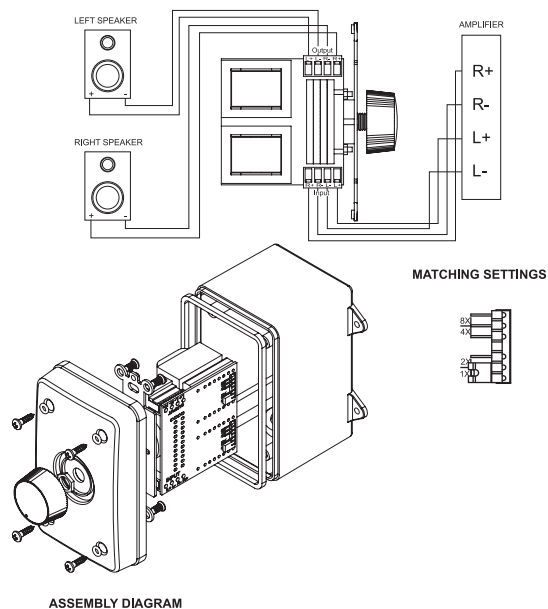
Model: VC-100RO User Manual

Installation Instructions

1. Remove about ¼” of insulation from the ends of all wires to be connected to the volume control and twist the exposed strands.
2. VC-100RO volume control features removable connectors that will accept up to 14 gauge wire for ease of installation.
3. Loosen the set screws on the removable connectors
4. Insert all wires through the hole at the bottom of the volume control housing.
5. Connect the leads from the AMPLIFIER to the connector labeled INPUT. Make sure to tighten the screws firmly.
6. Connect the SPEAKER wires to the connector labeled OUTPUT. Make sure to tighten the screws firmly.
7. Carefully install the completed volume control assembly into the junction box to avoid excessive strain on the removable connectors.
8. Be careful not to allow speaker wire strands to short against the volume control, case, or another speaker wire.

Impedance Correction

This process ensures that the impedance load shown to the amplifier never goes below the rated capabilities. See the charts below for specific impedance loads that will be presented to your amplifier, depending on the quantity and impedance of the speakers that being used. Most amplifiers are rated at 8 ohms (stable down to 4 ohms)



x1, x2, x4, x8 = Positions for the shorting bars

If you are using a 2 ohm rated amplifier:

4 ohm speakers	x1	x2	x4	x8
	2 pairs	4 pairs	8 pairs	16 pairs
8 ohm speakers	x1	x2	x4	x8
	4 pairs	8 pairs	16 pairs	32 pairs
16 ohm speakers	x1	x2	x4	x8
	8 pairs	16 pairs	32 pairs	64 pairs

If you are using a 4 ohm rated amplifier:

4 ohm speakers	x1	x2	x4	x8
	1 pairs	2 pairs	4 pairs	8 pairs
8 ohm speakers	x1	x2	x4	x8
	2 pairs	4 pairs	8 pairs	16 pairs
16 ohm speakers	x1	x2	x4	x8
	4 pairs	8 pairs	16 pairs	32 pairs

If you are using an 8 ohm rated amplifier:

4 ohm speakers	x1	x2	x4	x8
	-----	1 pairs	2 pairs	4 pairs
8 ohm speakers	x1	x2	x4	x8
	1 pairs	2 pairs	4 pairs	8 pairs
16 ohm speakers	x1	x2	x4	x8
	2 pairs	4 pairs	8 pairs	16 pairs

1-Year Limited Warranty

See audtekelectronics.com for details



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