

Limited Warranty

The Russound WB-1 is fully guaranteed for Five (5) years from the date of purchase against all defects in materials and workmanship. During this period Russound will replace any defective parts and correct any defect in workmanship without charge for either parts or labor. For this warranty to apply, the unit must be installed and used according to its written instructions. If service is necessary, it must be performed by Russound. The unit must be returned to Russound at the owner's expense and with prior written permission. Accidental damage and shipping damage are not considered defects under the terms of the warranty. Russound assumes no responsibility for defects resulting from abuse or servicing performed by an agency or person not specifically authorized in writing by Russound. Damage to or destruction of components due to improper use voids the warranty. In these cases the repair will be made at the owner's expense. To return for repairs, the unit must be shipped to Russound at the owner's expense, along with a note explaining the nature of the service required. Be sure to pack in a corrugated container with at least 3 inches of resilient material to protect the unit from damage in transit.

Russound sells products only through authorized Dealers and Distributors to ensure that customers obtain proper support and service. Any Russound product purchased from an unauthorized dealer or other source, including retailers, mail order sellers and online sellers will not be honored or serviced under existing Russound warranty policy. Any sale of products by an unauthorized source or other manner not authorized by Russound shall void the warranty on the applicable product.

Russound[®]

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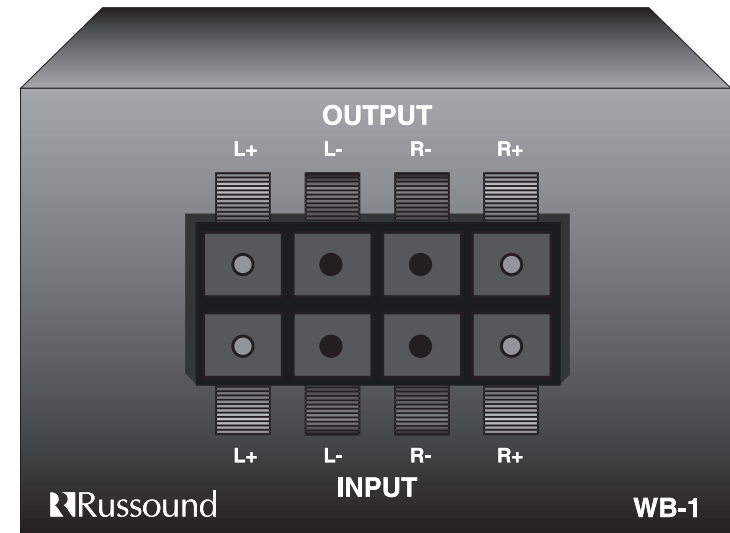
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Russound[®]

WB-1

In-line Impedance Matching Device

Instruction Manual



Product Overview

The WB-1 is designed to match the impedance of the speakers to the amplifier. Some amplifiers require an 8-ohm to 16-ohm impedance load represented by the speakers. The WB-1 is available by order in a 2x, 4x or 8x impedance-matching configuration. When operating an 8 to 16-ohm amplifier with speakers that represent a 4-ohm or 6-ohm impedance, the amplifier will not operate properly. The WB-1 with a 2x configuration allows the operation of the 4-ohm to 6-ohm speakers with an amplifier that requires an 8-ohm load. The WB-1 with a 4x configuration will show the amplifier an impedance of 16 ohms when operated with 4-ohm speakers.

Consult the charts below to determine which degree of impedance matching is needed depending on the total number of speaker pairs used with the amplifier.

NOTE: A WB-1 should be used with each pair of speakers.

Impedance Matching For 4 Ohm Amplifiers

		8 Ohm Pairs																
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4 Ohm Pairs	0	-	-	-	2X	2X	4X	4X	4X	4X	8X	8X	8X	8X	8X	8X	8X	8X
	1	-	2X	2X	4X	4X	4X	4X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X
	2	2X	4X	4X	4X	4X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X
	3	4X	4X	4X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X
	4	4X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X
	5	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X
	6	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X
	7	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X
	8	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X	8X

Impedance Matching For 8 Ohm Amplifiers

		8 Ohm Pairs								
		0	1	2	3	4	5	6	7	8
4 Ohm Pairs	0	-	-	2X	4X	4X	8X	8X	8X	8X
	1	2X	4X	4X	8X	8X	8X	8X	8X	8X
	2	4X	8X	8X	8X	8X	8X	8X	8X	8X
	3	8X	8X	8X	8X	8X	8X	8X	8X	8X
	4	8X	8X	8X	8X	8X	8X	8X	8X	8X

Connection Instructions

Connect speaker cable from the amplifier's speaker output to the WB-1 speaker input. Be sure to keep channels and polarity consistent.

Connect speaker cable from the WB-1 speaker output to the speakers. Be sure to keep channels and polarity consistent.

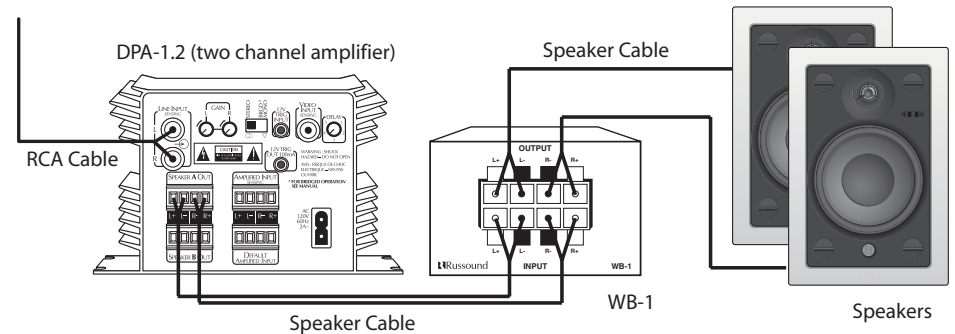


Figure 1

Figure 1 shows an example of the WB-1 connected to an amplifier and one set of speakers.

Specifications

- Power Rating: 126 Watts power handling
42 W/ch RMS continuous
- Terminations: Spring-loaded terminals
- Wire Size: Up to 12 gauge wire
- Dimensions: 3 1/4"W x 2 1/4"H x 3 1/4"D
(8.3 x 5.7 x 8.3 cm)
- Weight: 2 lbs. (0.9 kg)