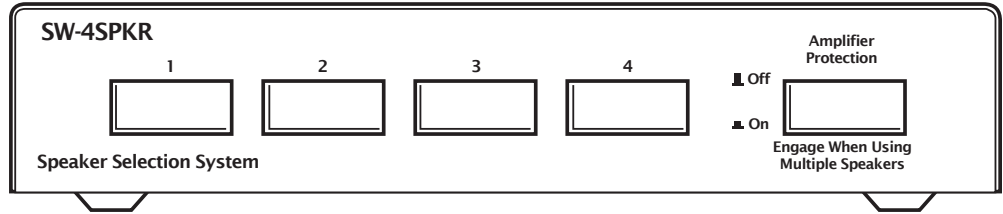


SW-4SPKR

Impedance Compensating Speaker Selector

Product Overview

The SW-4SPKR is designed as a distribution and switching center to allow up to 4 pairs of 8 ohm speakers to be connected to a stereo Amplifier or Receiver while providing amplifier protection*.



Buttons 1 through 4 are used to turn the four individual pairs of speakers ON & OFF. To maintain individual volume control over each pair of speakers, "Autoformer" type impedance matching volume controls should be used (1 for each pair of speakers). These volume controls are to be located in-line between the SW-4SPKR and each speaker pair.

Speaker wiring should be a minimum of 18-gauge. If wire is to be run through walls it should be "CL" rated. For runs over 100 feet 14-gauge wire should be used.

If you are uncertain as to the proper set-up and installation of this device, refer to a qualified technician. Improper installation of this device can severely damage it and the equipment connected to it!

Each of the individual pairs of speakers will be designated as 1, 2, 3, and 4. Connect each set of speakers to the appropriate screw terminals as illustrated in example below.

1L+	Speaker Pair 1 left channel positive (+)	1R+	Speaker Pair 1 right channel positive (+)
1L-	Speaker Pair 1 left channel negative (-)	1R-	Speaker Pair 1 right channel negative (-)

Be sure to maintain "Polarity" meaning:

Always connect Positive (+) to (+) Positive and Negative (-) to (-) Negative.
Never cross Positive (+) wire connections to Negative (-) connections.

Specifications

Power Handling – 100W RMS per channel (If impedance matching volume controls are not installed or properly configured then the maximum output must be de-rated to 75W RMS/ch.)

Dimensions: 8-1/2" W x 2" H x 5-1/4" deep
Net Weight: 3 lbs.

Using Volume Controls

If you wish to have the capability to individually control the volume level of each pair of speakers you will need one (1) "Autoformer" type impedance matching volume control for each pair of speakers. With the addition of volume controls, each speaker pair can be adjusted or turned off using the volume control. Note: If the speaker's volume control is turned off, it can't be turned back on from the speaker selector (they are independent of each other). If you don't wish to use volume controls or you choose to use controls that do not offer impedance matching capability then the power handling of this speaker selector must be de-rated as shown in the specifications.

For more information regarding volume controls visit our website.

When distributing audio from a single Amplifier/Receiver, the maximum speaker level is set at the amplifier. To do this, set the speaker's individual control to its maximum position and turn then adjust the amplifier to a level that would be considered the highest normal listening level. Then turn down the volume at the speaker's individual volume control. If the volume control vibrates in the wall or sound can be heard coming from the control when it is turned down then the amplifier level is too high and must be reduced or damage will likely occur to the volume controls and possibly the amplifier.

*** Note:** The Amplifier Protection switch should be engaged when two or more pair of speakers are selected. The amplifier is protected by buffering the amplifier output through high power resistors. Should you notice an unusual drop in volume from one speaker or excessive heat from the speaker selector, the system should be checked for possible problems or system configuration issues.

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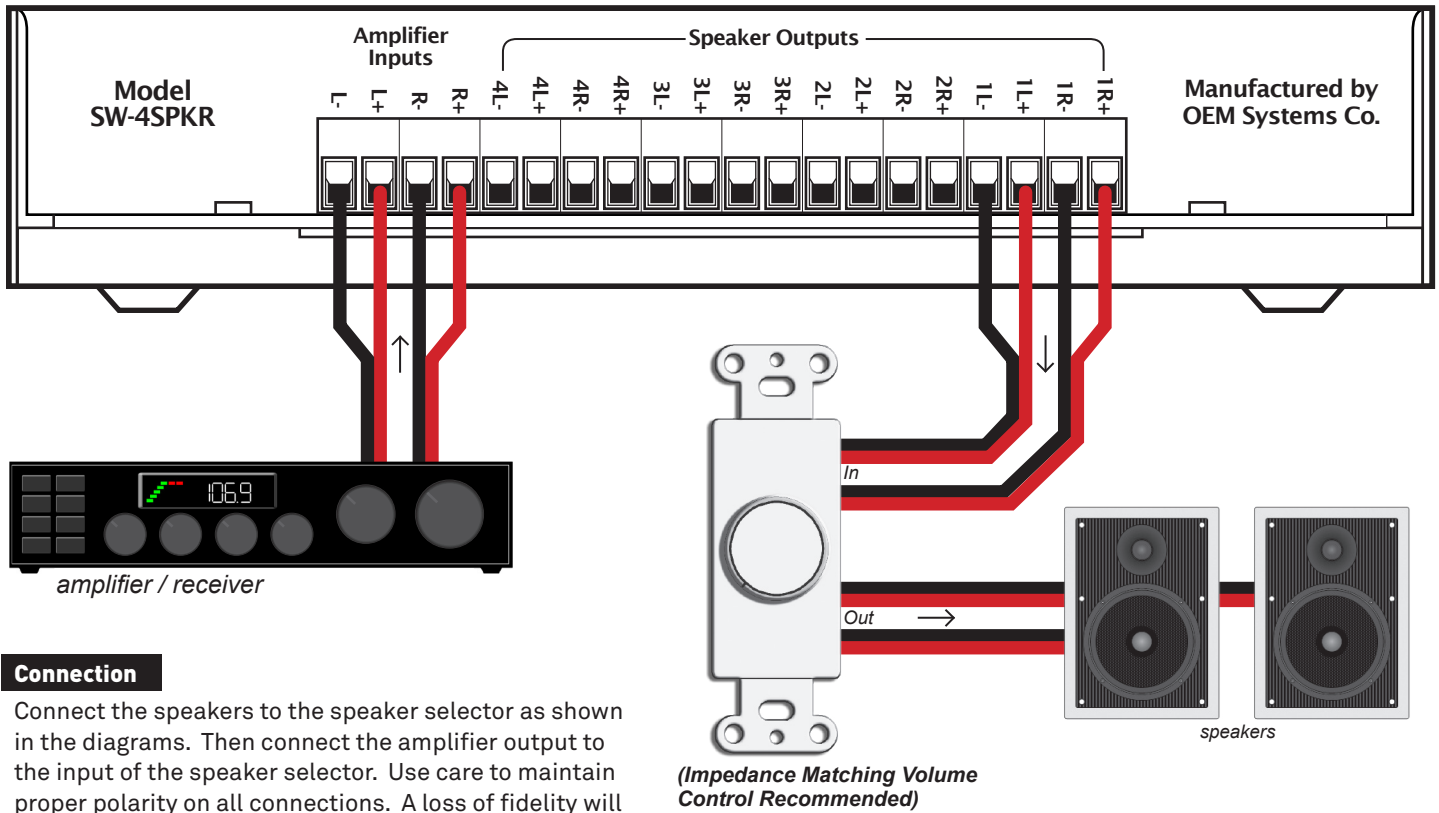
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Rev. B

SW-4SPKR

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► Wiring Diagram



Connection

Connect the speakers to the speaker selector as shown in the diagrams. Then connect the amplifier output to the input of the speaker selector. Use care to maintain proper polarity on all connections. A loss of fidelity will occur if speakers are wired out of phase.

► Typical 4 Room Block Diagram

