

## MSV-2 / MSV-4

Dual Source 2/4-Zone Automatic Impedance Matching Speaker Selector With Volume Control

## Owner's Manual

### 1. Description

The MSV-2 / MSV-4 are switchable dual source speaker selectors with individual volume control for up to 4 different zones. With the switchable function, users can alternate between the two different amplifiers in each zone. This allows users to enjoy Source A in one room and Source B in another room.

### 2. Installation Consideration

The MSV-2 / MSV-4 are designed for use with amplifier with a maximum power of 180 Watts per channel at 8 ohms respectively. If you are uncertain about the power rating of your amplifier, consult the appliance's manufacturer.

MSV-2 / MSV-4 recommend using only 8 ohm speakers when using the. Furthermore, MSV-2 / MSV-4 does not recommend installing more than 1 pair of speakers per pair of channels. Each pair of channels or terminal block is designed for 1 pair of speakers using up to 14 gauge wire.

Speaker wires can act as an antenna for electrical noise. Locating speaker wires too close to a light dimmers or switches may cause a buzzing or popping sound to be heard through the speakers. If you must locate the wiring near electrical devices, route the speaker wires several inches away.

### 3. Operation

It is important to properly adjust an impedance-matching system to avoid distortion or DC clipping (DC voltage will produced from an amplifier that is overworked or that has an improper load). These can cause the amplifier to go into protection, and can cause the to heat up, damaging the system components. To set up the system, the amplifier volume should be at its lowest volume setting, and the selector volume control should be the highest setting. Slowly adjust the amplifier volume to a level that is acceptable without clipping.

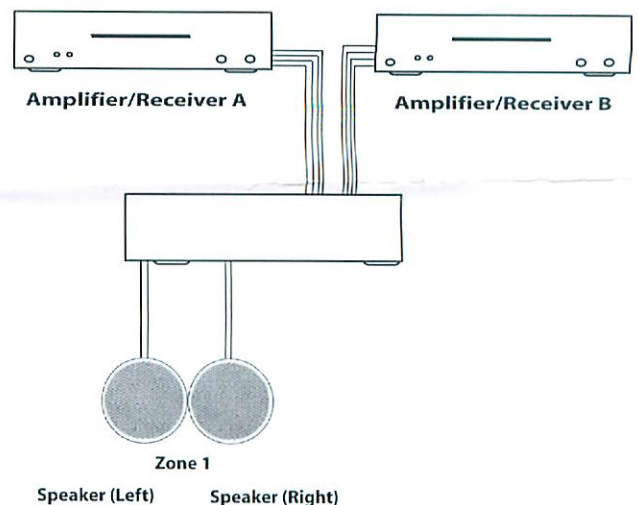
### 4. Operation

- Make sure the amplifier power is OFF and set the volume to minimum.
- Set the volume control for the speaker pair you wish to play to maximum (Fully clockwise)
- Locate the on/off button which corresponds to the speaker pair you wish to play. Set it to the ON position.
- Gradually turn up the amplifier volume and set it an acceptable listening level. Be careful not to overdrive your amplifier.
- You can turn off the speakers by turning the appropriate volume control fully counter-clockwise, or by pressing the on/off button.

### 5. Installation

- Insert each wire into the appropriate hole on the removeable terminals.
- Strip ¼" of insulation from the end of each wire. Tightly twist the end of each wire until no frayed ends remain. Use a small screwdriver to tighten each wire in place.
- Insert the connector plug into the socket and lock in place by tightening captive screws on each side of the connector (See Figure 1). The inputs of are the connecting terminals for the amplifiers. Be sure not reverse these connections or the will not function properly.
- Each zone gets connected to a pair of speakers. Make sure you connect negative (-) to negative (-) and positive (+) to positive (+).

Figure 1: Wiring Diagram



## Technical Specifications

Audio Power Handling:	100 Watts/Channel peak
Frequency Response:	20Hz - 20kHz
Input Source:	Up to 2 Amplifiers
Wiring requirement:	Up to 14 gauge wire
Speaker impedance:	8 ohm
Unit Dimensions:	430W x 158D x 64H mm 216W x 158D x 64H mm