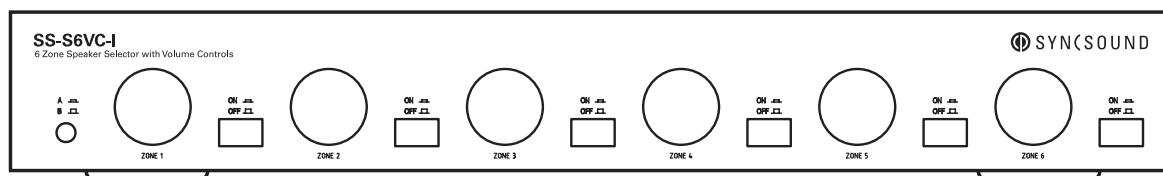


### SS-S6VC-I

## 6 Zone Dual Source Automatic Impedance Matching Speaker Selector with Volume Control



#### 1. Description

The SS-S6VC-I is a switchable dual source speaker selector with individual volume controls for 6 different zones. A/B speaker selector allows users to alternate between the two different amplifiers in each zone.

#### 2. Installation Consideration

The SS-S6VC-I is designed for use with amplifier with a maximum power not exceeding 100 Watts per channel at 8 ohms. If you are uncertain about the power rating of your amplifier, please consult the manufacturer.

SyncSound™ recommends using 8 ohm speakers only. Each zone should not have more than one set of speakers connected. Terminal block connectors are designed to hold a 14 gauge or thinner speaker wire.

Speaker wires can pick up electrical noise if positioned too close to light dimmers or switches. Please route your speaker wires as far as possible from electrical devices (at least 18" away) to avoid getting a buzzing or crackling noise from the speakers; any electrical wiring should be crossed at 90 degrees to minimize interference.

#### 3. Operation

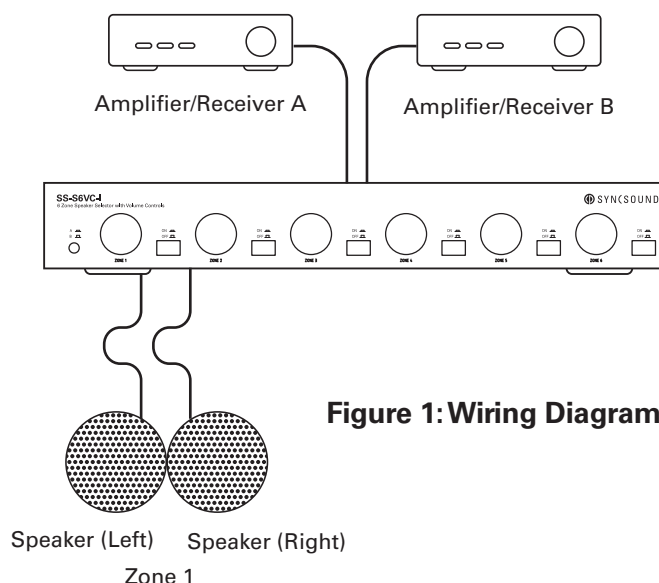
It is important to have an impedance-matching system set properly to avoid distortion or DC clipping as a result of overload or mismatched speaker impedance. These may cause the amplifier to go into protection or overheat, causing damage to the system components. Please follow the steps below to set up the system.

1. Turn off the amplifier
2. Turn the amplifier volume all the way down
3. Turn the volume control(s) on the front panel of the SS-S6VC-I all the way up (fully clockwise)
4. Select your desired zone with On/Off switch
5. Select your input with A/B switch
6. Turn on the amplifier
7. Raise the amplifier volume slowly to the desired level with no audible distortion. Note: overdriving the amplifier could cause damage to your system

Speakers in each zone can be turned off with On/Off switch or by turning zone volume all the way down (fully counterclockwise)

#### 4. Installation instructions (Figure 1)

- Strip ¼" of insulation from the end of each speaker wire. Twist the ends tightly to make sure there are no loose strands. Use a small screwdriver to secure each wire in the terminal block with set screw.
- Insert the terminal blocks firmly into the corresponding sockets. Sockets marked "input" are connected to the amplifier(s). Do not connect your amplifier(s) to the sockets marked "Output" or the system will not work properly.
- Each zone gets connected to one pair of speakers. Please observe polarity to make sure the negative(-) speaker terminal is connected to the negative(-) terminal of the SS-S6VC-I and the positive(+) speaker terminal is connected to the positive(+) terminal of the SS-S6VC-I.



**Figure 1: Wiring Diagram**

#### 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
Dimensions: W x D x H	430mm x 158mm x 64mm