

**Using the IW-303 without Volume Control(s)**

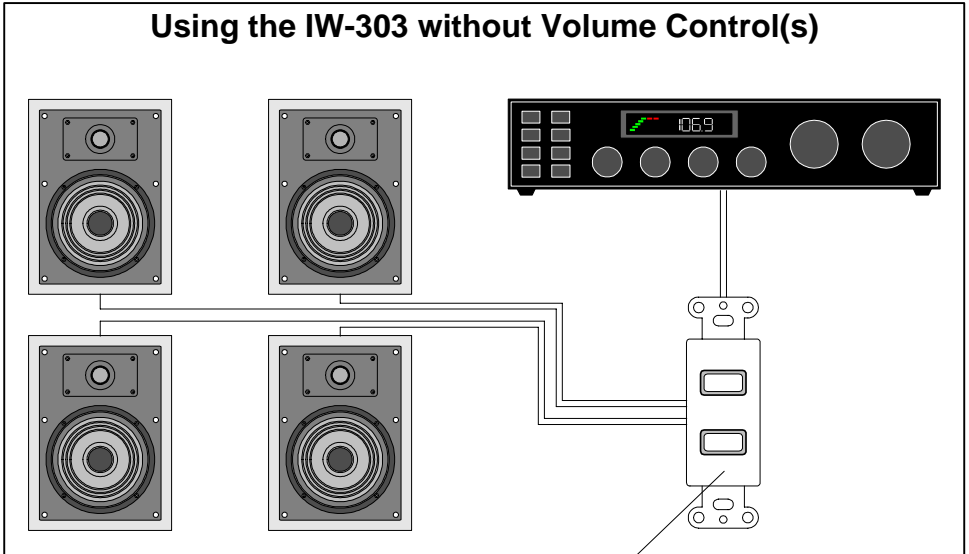


Figure 1 directions on reverse

IW-303

**IW-303**

**Speaker Switch**

Pair A or Pair B  
or  
Pairs A+B

See Reverse Side for  
**IMPORTANT** Precautionary  
and  
Installation Information

Product available in  
White, Ivory & Almond finishes

**Using the IW-303 with one (1) Volume Control  
for combined control over both speaker pairs**

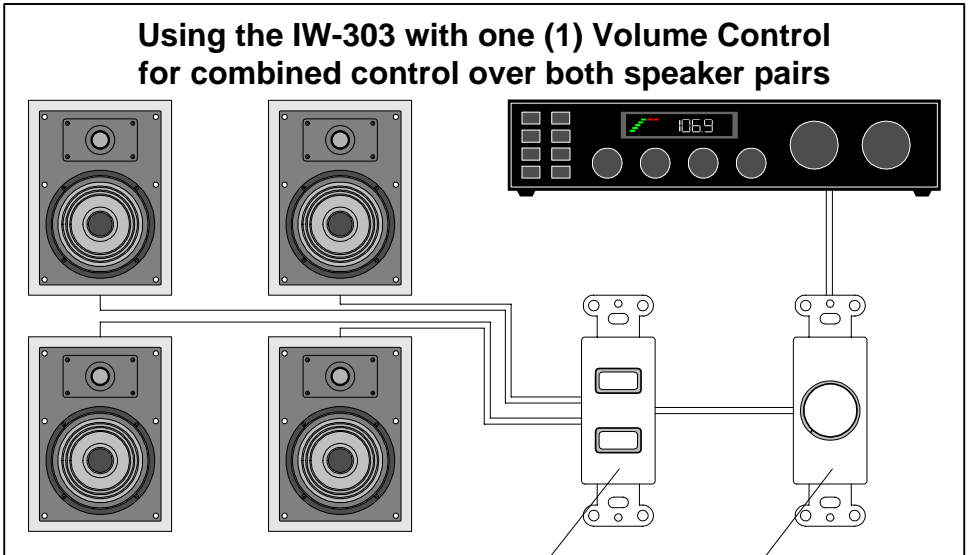


Figure 2 directions on reverse

IW-303

Volume Control

Volume controls should be  
heavy duty  
Autoformer type.

**Using the IW-303 with two (2) Volume Controls  
for individual control over each speaker pair**

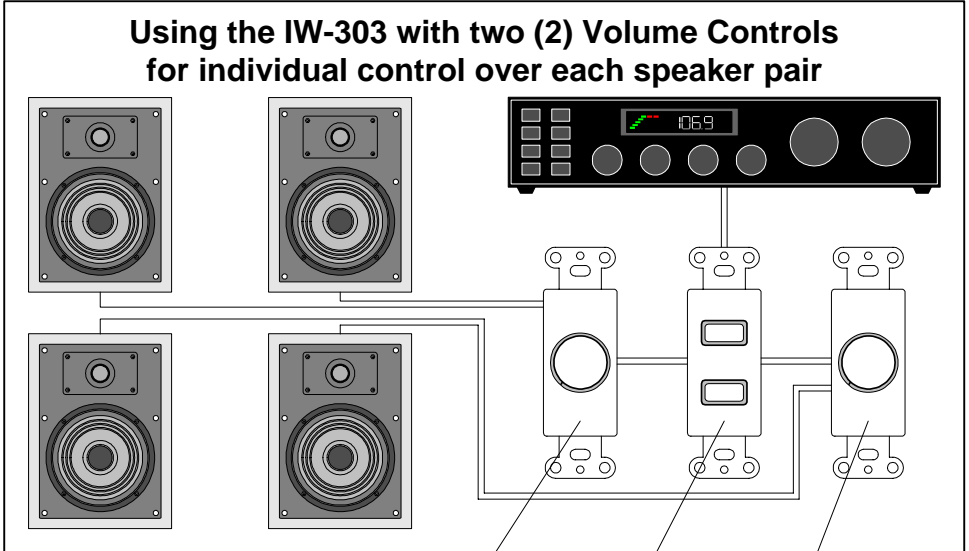
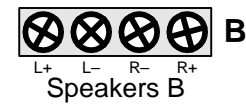
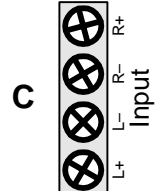
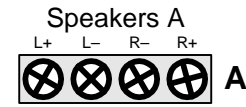


Figure 3 directions on reverse

Volume Control

IW-303

Volume Control



**Suggestion:**

When using two (2)  
controls, one (1) for each  
pair of speakers, locate the  
second volume control in  
the same room, or area, as  
the second pair of speakers.

# IW-303

## Important Information

### Wiring Directions

#### **Figure 1**

##### **Using the IW-303 without volume control(s):**

Connect the amplifier left & right speaker outputs to the terminal block on the IW-303 marked "Input" [C].

Connect the left & right wires going to speaker pair "A" to the terminal block on the IW-303 marked "Speakers A".

Repeat for speaker pair "B" connecting to IW-303 terminal block marked "Speakers B".

#### **Figure 2**

##### **Using the IW-303 with one (1) volume control:**

Connect the amplifier left & right speaker outputs to the terminal block marked "Input" on the OEM Autoformer Volume Control.

Connect the OEM Autoformer Volume Control terminal block marked "Output" to the IW-303 terminal block marked "Input" [C].

Connect the left & right wires going to speaker pair "A" to the terminal block on the IW-303 marked "Speakers A".

Repeat for speaker pair "B" connecting to IW-303 terminal block marked "Speakers B".

#### **Figure 3**

##### **Using the IW-303 with two (2) volume controls:**

Connect the amplifier left & right speaker outputs to the terminal block on the IW-303 marked "Input" [C].

From the terminal block marked "Speakers A", run wires to the Input terminal block on one (1) OEM Autoformer Volume Control.

From the OEM Autoformer Volume Control terminal block marked "Output", connect the wires going to speaker pair "A".

Repeat for speaker pair "B" connecting to IW-303 terminal block marked "Speakers B".

### Wire & Wiring Notes:

- A) Wiring to and from switch should be "CL-2 or CL-3" rated. Use 16 gauge or larger for runs in excess of 100 feet.
- B) Strip ¼" off each wire. Ensure all strands are twisted together and inserted into respective terminals.
- C) For 12 gauge and larger wire, trim some of the strands off to enable them to fit into the terminals.
- D) Perform initial testing of selector at low volume level to prevent damage to equipment.

### Precautionary Information Concerning Using More Than Two (2) Pairs of Speakers

When speaker pairs A & B are 8 ohms, the summed impedance when both speakers pairs are operating will be 4 ohms.

Because most amplifiers are designed to operate between 4 - 8 ohms you should not configure your system to play any more than two (2) pair of 8 ohm speakers at a time.

If you wish to wire your system to play more than two (2) pair of 8 ohm speakers simultaneously you need to install an impedance compensating device. These are manufactured by OEM Systems:

#### **SW-4SPKR**

4 pair speaker switcher with impedance compensation

#### **SW-8SPKR**

8 pair speaker switcher with impedance compensation