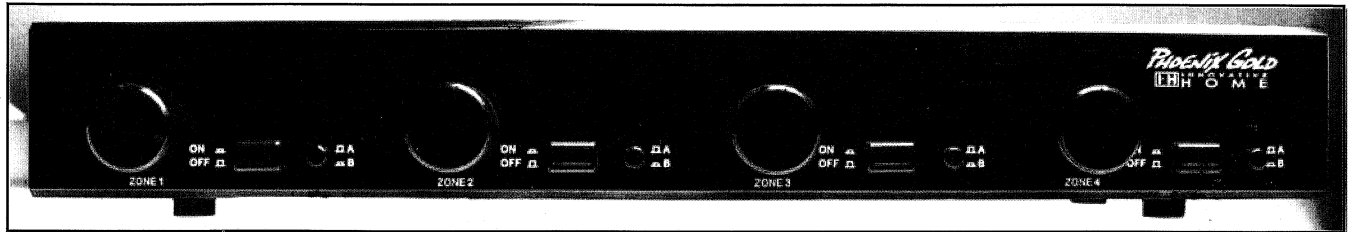




VSS Dual Source Smart Audio Management Speaker Selectors with Volume Control

VSS4 100 Watt RMS 4 Zone Speaker Selector, A/B Source Selection with Impedance Matching Volume Control
 VSS2 100 Watt RMS 2 Zone Speaker Selector, A/B Source Selection with Impedance Matching Volume Control



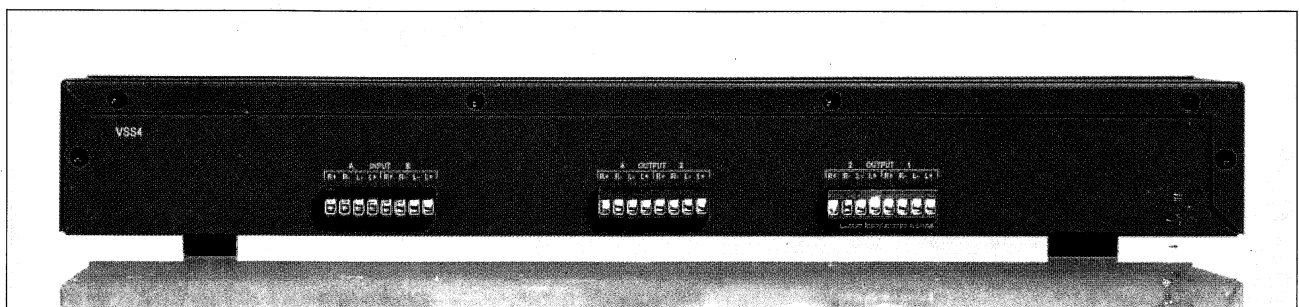
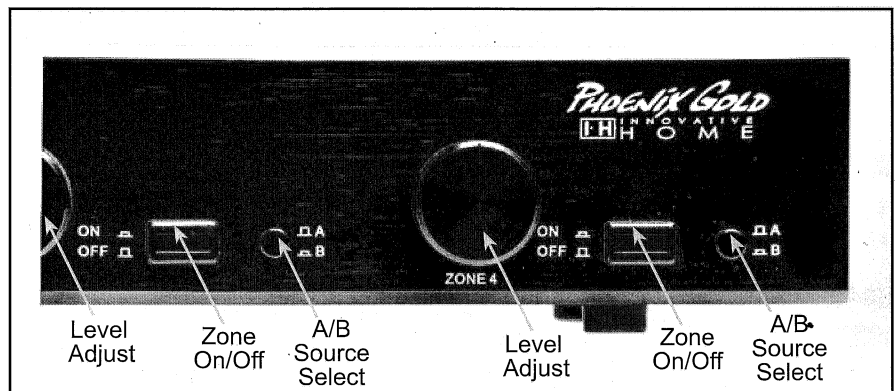
*VSS4 chassis measurements 17" x 5.25" x 2.5" - 432mm x 133mm x 64mm
 *VSS2 chassis measurements 8.5" x 5.25" x 2.5" - 216mm x 133mm x 64mm

Thank you for selecting Phoenix Gold Innovative Home installation components. Doing so demonstrates your appreciation for high quality, high performance audio and video reproduction. The VSS2 and VSS4 take the standard set by the original ISM products to a whole new level and sets a new standard in design, flexibility and affordability for the installation of multi-source, multi-zone speaker systems in any installation.

level signal sources.

The VSS4 distributes either of two stereo speaker level signals to four stereo listening zones. The VSS2 distributes either of two stereo speaker-level signals to two stereo listening zones. All VSS Speaker Selectors feature an impedance volume control for each listening zone, a zone selector switch to independently turn the signal on or off for each zone and a source selector switch to activate either source "A" or source "B" for each zone independently.

The VSS4 and VSS2 are low-profile speaker distribution systems with individual on/off selectors for each listening zone, individual volume control onboard and the ability to select either of two speaker

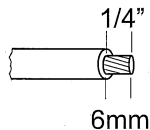


Installation and Connection Procedures

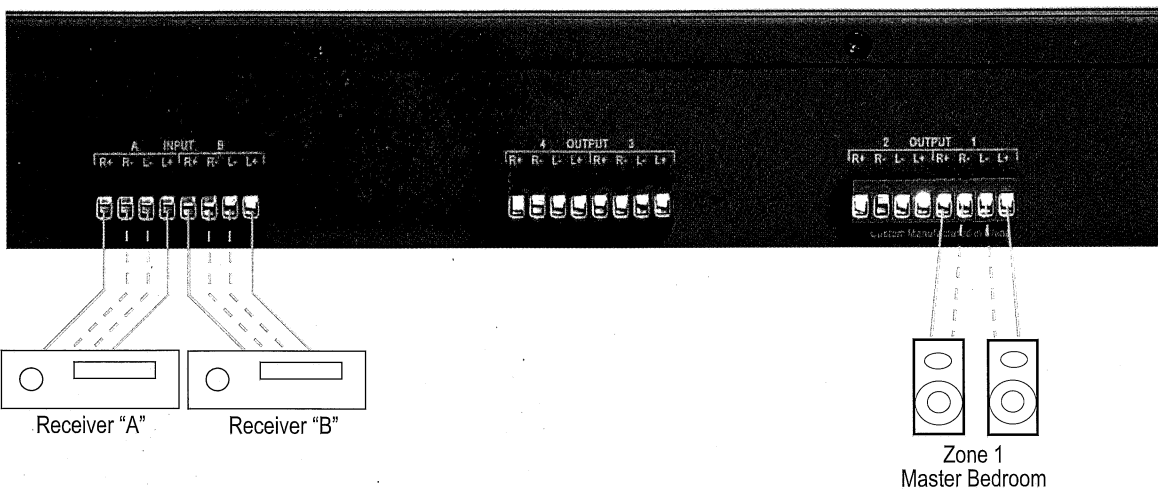
The "+/-" polarity connections for the input and output screw-type speaker terminals are clearly marked on the rear panel. The modules which allow the wires to be connected can be removed for ease of wiring. Please connect the speaker cable to the appropriate "+/-" terminals. These terminals will accept up to 14 gauge speaker cable and we highly recommend utilizing at minimum a 16 to 14 gauge speaker cable. *Note:* Separate Left and Right ground paths ensure

compatibility with all amplifiers, even when

used in bridged mode! Route the speaker cables from each speaker zone and the amplifier to the DSSM speaker selector. Strip 1/4" (6mm) insulation from the end of the cable and twist the exposed end to avoid fraying. Loosen the screw on the appropriate speaker terminal and insert the stripped end of the cable into the speaker terminal. Be sure to observe proper "+/-" polarity when connecting the speaker cables. Retighten the screw to clamp the cable in place. Gently



Strip 1/4" or 6mm insulation from the 14-16 gauge speaker wire



VSS switchers have the ability to select between "A" and "B" sources. There is an 8-position plug on the left rear of the unit which is labeled "INPUT". This is where the speaker level inputs from the two sources ("A" and "B") are connected. Attach the wires in the same manner as the speaker wires connect to the outputs of the VSS unit (see above for details).

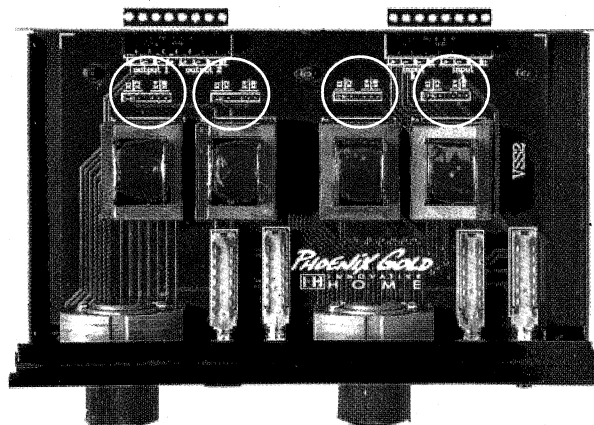


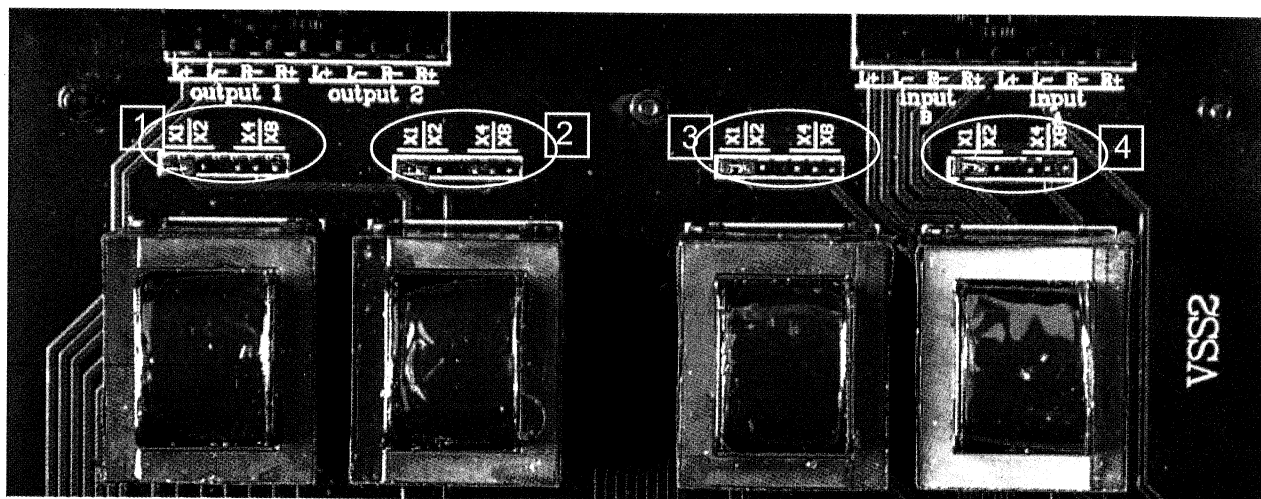
Note: Always insure that both source components are unplugged and powered down before making these connections.

Installation Precautions

The VSS2 and VSS4 comes shipped from the factory set up for one pair of 8 ohm loudspeakers to be connected to each zone. If you are using loudspeakers other than 8 ohm the VSS Switchers can be set up in the following manner.

The system is now ready for testing. Turn on the sound system and set the amplifier's volume control to a moderate level. Sound should be heard from each zone when its button is depressed. Please check each zone appropriately including proper left and right connections by activating each zone with the balance adjusted to full left and then to full right. If you have connected two sources ("A" and "B") test each zone's source switching by depressing the button on the front panel. If the button is in the "in" position, the source is "A". If the button is in the "out" position, the source is "B". If you have only one source connected, the buttons should all be set to "A". Attach the custom die-cut labels provided to the rectangular buttons of the VSS2 or VSS4 referencing each button to an appropriate zone within the installation.





The four jumpers pictured above and circled in white control the impedance of the speakers as follows:

- 1) Output 1 (Left speaker)
- 2) Output 1 (Right speaker)
- 3) Output 2 (Left speaker)
- 4) Output 2 (Right speaker)

Each Jumper has four positions labeled X1, X2, X4 and X8. The VSS2 and VSS4 switchers are shipped with the jumpers in the X2 position. This insures that the minimum load with all zones turned on will be 4 ohms. This assumes that the speakers connected are all 8-ohm speaker systems.

If your speakers are 4-ohm systems, you should reset the jumpers on all speakers to the X4 position. Again, this will insure that the minimum load to your amplifier will be 4-ohms with all speakers connected.

In either situation, if one pair of the speakers is set to the "B" source while all others are set to the "A" source

you will have to increase your level setting on the switchers volume control for the "B" source as the impedance will now be increased to 16 ohms and this may result in a slight loss of volume.

The important consideration here is that the minimum impedance is maintained at a safe level.

! If your amplifier's instructions caution against using any speaker loads below 8-ohm, then you should set the jumpers to X4 at all positions for 8-ohm speakers, and increase the jumper setting to X8 for 4-ohm speakers.

If you have any question on how these jumpers should be set for your system, please feel free to call the Innovative Home Products Technical Support team at 503.978.3365 or email support@phoenixgold.com

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