

INSTALLATION MANUAL



INSTALLING AND USING YOUR PPS-4 PROGRAMMABLE 1 OR 2 SOURCE, 4 STEREO SPEAKER PAIR SWITCH-AUTOMATIC LOAD PROTECTION

Your PPS-4 Speaker Selector is designed to operate with up to 4 pairs of loudspeakers of 4, 8, and 16 Ohm impedance in any combination. While primarily intended for use with 8 and 16 Ohm speakers, a 4 Ohm switch is provided to insert a small amount of extra resistance in the protection circuit when used with 4 Ohm units.

The PPS-4 can be used with one or two stereo amplifiers, or with 4 channels of a surround-sound type sound system. Each of the 4 output control channels can be individually switched to the amplifier connected to the A AMPLIFIER INPUT, or one connected to the B INPUT (if any). Thus it is convenient to listen to different program material in different rooms, swap front and rear channels in a surround-sound system, etc.

Both amplifier impedance load protection circuit uses a progressive system, and are fully automatic when used with 8 and 16 Ohm speakers. Progressive protection is used, no more resistance is added to the circuit than is needed to keep the load appearing on the amplifier at 4 Ohms or higher regardless of how many speakers are switched "ON" at one time. This insures minimum power loss for all operating conditions.

Impedance protection circuits for both A and B amplifier inputs are identical, and completely independent of each other. Speakers selected for operation with the A amplifier input will have impedance protection inserted as needed only for those in operation with that amplifier, and will have no effect on any speaker pairs that may be operating with the B amplifier. The same holds true for those speakers operating on the B channel, the number of speaker pairs in use with the B amplifier will have no effect on those in use with the A channel.

Other PPS-4 features include power handling capability of up to 72 Watts RMS continuous (216 Watts audio) at 8 Ohms in any switching mode. The LEFT and RIGHT channels are completely separate to assure safe operation with all types of amplifiers, including those with "bridging" outputs.

INSTALLATION:

Connections to amplifiers and speakers are illustrated in the back of these instructions. Remember that the LEFT and RIGHT circuits are separate, so connections must be made correctly or the system will not operate properly.

Heavy duty push-to-open connectors are provided on the PPS-4 rear panel to insure positive, long lasting connections. These connectors can be used with wire up to 3/16" diameter. To make connection, strip about 3/8" of insulation from the wire end. Push the connector tab toward the PPS-4 rear panel to open the hole. Insert the stripped wire end into the opening, and release the tab. Make sure no loose ends stick out to cause problems. Check that the bare wire is connected to the hole, not the insulation.

If only one amplifier is to be used, connect it to the AMPLIFIER "A" terminals as shown. Make sure the + and -, and L and R channel connections are correct to avoid unsatisfactory operation or dead channels.

The same precautions should be used when connecting the speakers, crossed channels, polarity, or grounds will result in improper operation.

Rubber feet provide a non-marring, stable mount for the PPS-4. They are high enough to help promote air circulation under the unit, keeping it cool. A good precaution is to install in a manner that allows free air circulation around the unit. Avoid placing the PPS-4 on any surface that is easily damaged by heat, the switchbox can become quite warm if operating with all speakers "ON" at high power.

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OPERATION:

The PPS-4 front panel buttons all operate in the same manner, push to turn ON, push again to turn OFF. The switch is ON when pushed in closest to the front panel.

Select the desired location by pushing the OFF-ON button for those locations in to ON. If two amplifiers are used, choose the one wanted by operating the A-B switch for each location in for the B amplifier, or out for A.

WARRANTY:

Your AUDIOPLEX TECHNOLOGY(tm) PPS-4 Speaker Selector Switch is covered by a LIFETIME warranty against any defects in workmanship and materials. Any defects will be remedied without charge for labor or parts.

Damage incurred by shipping or accident is not considered to be a defect, and not covered by this warranty. AUDIOPLEX TECHNOLOGY(tm), is not responsible for defective operation caused by abuse or by modification or service by any unauthorized person or agency.

The unit must be properly installed and operated according to instructions for the warranty to apply. Any necessary servicing must be done by AUDIOPLEX TECHNOLOGY(tm). The product must be returned expenses prepaid, with written authorization from the company. The product must be shipped with the proof of purchase and in the original carton and packing material to avoid damage. This warranty gives you specific legal rights. You may have other rights which vary from state to state.

PPS-4, 4/96

WIRING DIAGRAM

