

INSTALLATION MANUAL



AT-6 SPEAKER SELECTOR WITH AUTOMATIC LOAD PROTECTION

Your AT-6 Speaker Selector is designed to operate with up to 6 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. An AMPLIFIER A and B selector switch is also provided so that the system can be switched between either of your favorite amplifiers if you have more than one.

The amplifier impedance load protection circuit uses a progressive system, inserting no more resistance in series with the speakers than is needed to insure that the load never falls below 4 Ohms, regardless of how many speakers are switched "ON" at one time. There will be no resistance inserted and no power loss when any one or two speaker pairs are turned "ON" (unless the "4 Ohm" switch is in). Some resistance is inserted when any 3 or 4 pairs are "ON", and even more when 5 or 6 systems are "ON" simultaneously. No more loss is inserted than is necessary to maintain the load appearing on the amplifier at 4 Ohms or higher, assuring safe operation no matter how many speakers are in operation at any one time.

The 4 Ohm switch must be used when more than one pair of speakers are in operation at the same time, and one of them is 4 Ohms. If using only one 4 Ohm pair with no other speakers switched "ON", the 4 Ohm switch can be left "OUT" to gain maximum power output to that speaker pair.

Other AT-6 features include power handling capability of up to 40 Watts RMS continuous (120 Watts audio) at 8 Ohms in any switching mode, and completely separate circuits for the Left and Right channels, thus assuring safe operation with all types of amplifiers, including those with "bridging" outputs.

Your AT-6 also comes with our THERMO-TEK CIRCUIT PROTECTION, which is a carefully crafted, ultra safe protection circuit. The circuit is sonically transparent and insertion is less than 50 milliohms. This circuit features a protectant soft reset. To reset, correct the faulty condition, or if due to overpowering, the volume control should be turned down and the unit allowed to cool.

INSTALLATION

Connections to the amplifiers and speakers are illustrated on 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 (note that the INPUT connector blocks are green and the OUTPUT connector blocks are black).

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 procedure should be used when connecting the speakers, as crossed channels, polarity, or grounds will result in improper operation.

Rubber feet provide a non-marring, stable mount for the AT-6 switcher. 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 under the unit. Avoid placing the AT-6 on any surface that is easily damaged by heat, as the switchbox can become quite warm if operating with all speakers "ON" at high power.

OPERATION

The AT-6 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 closer to the AT-6 front panel.

To select speaker pairs, push the button in for the desired choices. If all speakers are 8 and/or 16 Ohms, proper loading for the amplifier is automatic no matter what combination is selected. If some of the speaker pairs are rated at 4 Ohms, the 4 Ohm switch should be pushed in when more than one pair of speakers is operating at the same time. The automatic impedance matching circuits will then provide more protection at all times regardless of the number of speaker systems in operation.

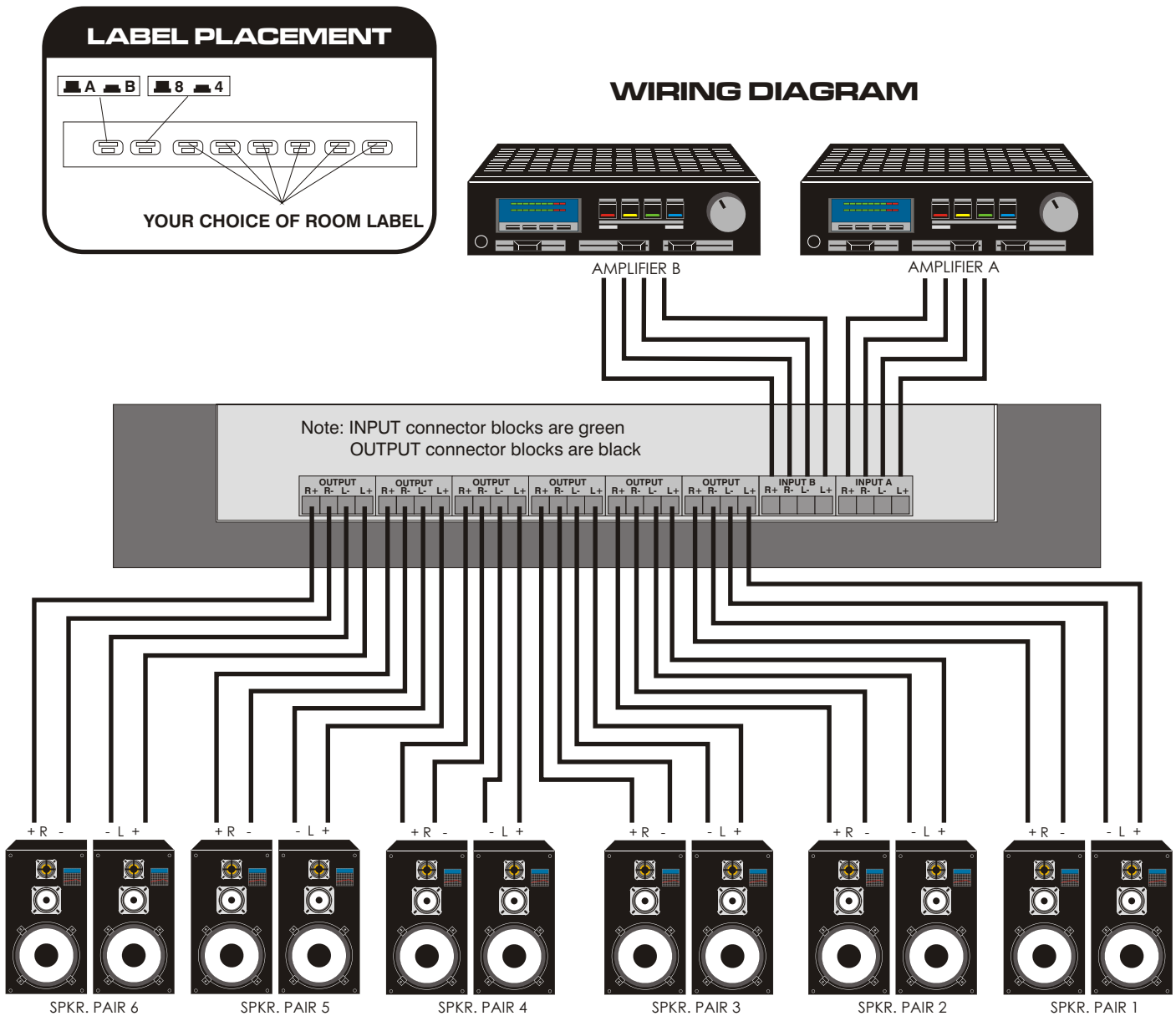
WARRANTY:

Your AUDIOPLEX TECHNOLOGY® AT-6 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® 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®. 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.



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