

AcousTech
ELECTRONICS

Stereophonic Phono Preamplifier

PH1 PREMIUM



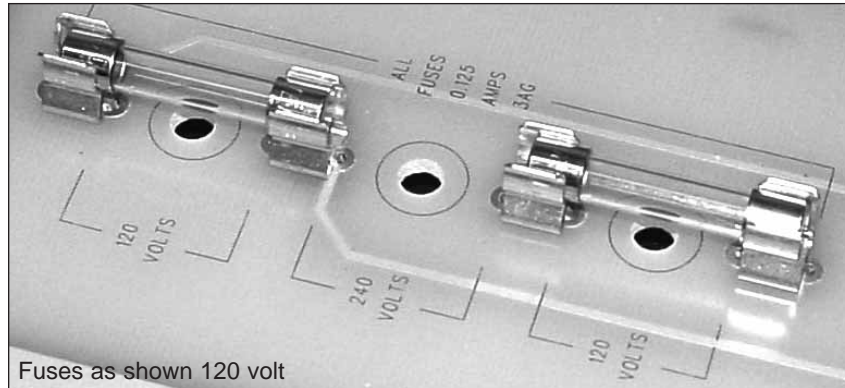
Congratulations on your purchase of the AcousTech Stereophonic Phono Preamplifier. Although originally designed to meet the professional needs of record-producing studios, an increasing number of PH-1 Premium's (PH-1P) are finding a place in high-end home stereo systems. In the professional studio environment, PH-1P's are used by engineers and producers to make critical decisions during mastering and while evaluating the sound quality of test pressings. When used in your home, you will more closely hear your favorite musical performances — as archived on the original master tapes.

ACOUSTECH ELECTRONICS, 1500 S. NINTH, SALINA, KS 67401-USA
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SAFETY PRECAUTIONS

TO REDUCE THE RISK OF ELECTRICAL SHOCK, NEVER OPERATE THIS UNIT WITH COVER REMOVED. REFER SERVICING TO QUALIFIED PERSONNEL.



SET-UP

Voltage Selection

The AC operating voltage of the PH-1P is factory-set. Make sure that the label on the back of the PH-1P indicates the correct AC operating voltage for your location. If the indicated voltage is incorrect, contact your AcousTech dealer.

Internal Adjustments

The PH-1P can be configured for use with a moving-coil or moving-magnet cartridge. It is shipped from the factory with a moving-coil configuration. If you need assistance changing the configuration, contact your AcousTech dealer or follow the directions below.

To change the configuration

1. Turn the preamplifier and power amplifier AC power off.
2. Disconnect the AC power cord from the back of the PH-1P.
3. Remove the 6 screws on the sides of the PH-1P and carefully lift off the cover.
4. DO NOT apply AC power to the PH-1P with the cover removed.
5. Configuration settings are silk-screened on the printed circuit board. Place the removable shunts (four for each channel) in the positions indicated to select either gain, capacitance, or resistance loading (Figure 1.1).
6. Replace the cover and 6 screws.
7. Reconnect the AC power cord to the back of the PH-1P.
8. Turn on preamplifier & power amplifier.

CONFIGURATION SETTINGS JUMPER POSITIONS

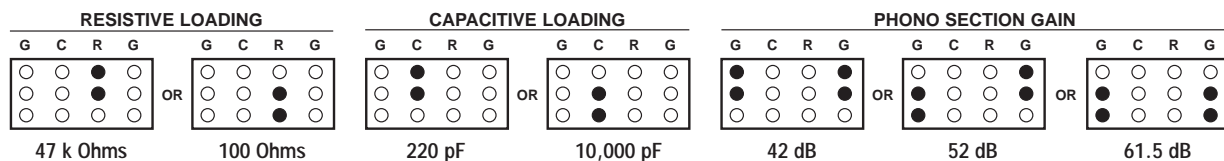
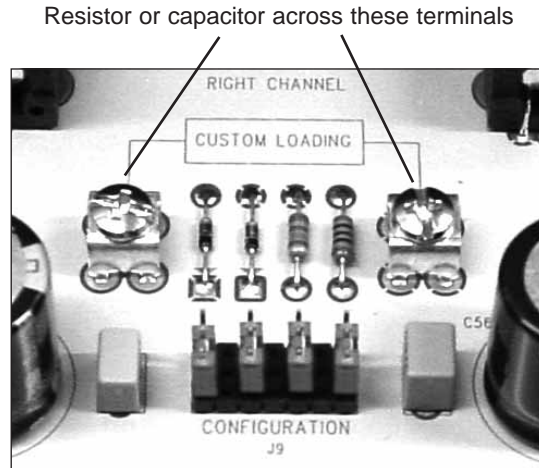


Figure 1-1



CUSTOM MOVING COIL LOADING

If your particular Moving Coil cartridge requires non-standard loading values, optional resistors are available from AcousTech. 1.) Set resistance to 47k on board. 2.) Place desired value resistor or capacitor across the screw terminals.

FUNCTION OF THE PH-1P PHONO PREAMPLIFIER

The output from your turntable's cartridge is at a very low voltage level. To listen to records with a line-level preamplifier or an integrated amplifier requires that the signal from the cartridge be amplified and equalized. Equalization makes tonal corrections, restoring frequency response to that of the original source material.

The PH-1P provides the added amplification and precise RIAA equalization, while preserving the musicality of the original performance. Its output level is suitable for the AUXILIARY (or other line-level) input of your preamplifier.

INSTALLATION OF THE PH-1P PHONO PREAMPLIFIER

Make sure that the label on the back of the PH-1P indicates the correct AC operating voltage for your location before proceeding with the installation.

For optimal sonic performance and longevity, the PH-1P is designed to remain powered at all times (a power on/off switch is not provided). We have selected a high quality power cord for use with PH-1P. Even more performance can be achieved with after market power cords. Experimentation with these will yield an even quieter background and more resolution.

CONNECTIONS

Line out: Connect these to one of your preamplifier's line-level inputs.

Phono in: Connect your turntable's signal leads to these inputs.

Ground: Connect your turntable's tonearm ground lead to this terminal.

SPECIFICATIONS

MOVING-COIL CONFIGURATION

GAIN: 61.5 dB
R LOADING: 100 Ohms
C LOADING: 10,000 pF

MOVING-MAGNET CONFIGURATION

GAIN: 42 dB
R LOADING: 47 k Ohms
C LOADING: 220 pF

DIMENSIONS: 18¹/₄" wide x 2¹/₂" high x 12³/₄" deep
Allow additional clearance in back for connections

WEIGHT: 20 lbs. net, 25 lbs. shipping

POWER CONSUMPTION: Less than 10 watts

RECOMMENDED LOAD: 10 k Ohms, or greater

WARRANTY

This AcousTech Electronics product is warranted to be free from manufacturing defects for a period of five years from date of purchase.

Manufacturing defects will be repaired free of charge for parts and labor, provided the unit is returned in its original packaging, freight prepaid to AcousTech Electronics or one of its authorized dealers.

The manufacturer assumes no responsibility for damage caused by or resulting from negligence, accident, misuse or intentional abuse, and reserves the right to determine the cause of any claimed defects.

Return authorization must be obtained by calling or writing the factory before shipping the unit.

SERIAL NUMBER _____ **DATE PURCHASED** _____

DEALER NAME _____

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