

LEGACY[®] *SERIES II*



High Performance Power Amplifier

MODEL : LA 120

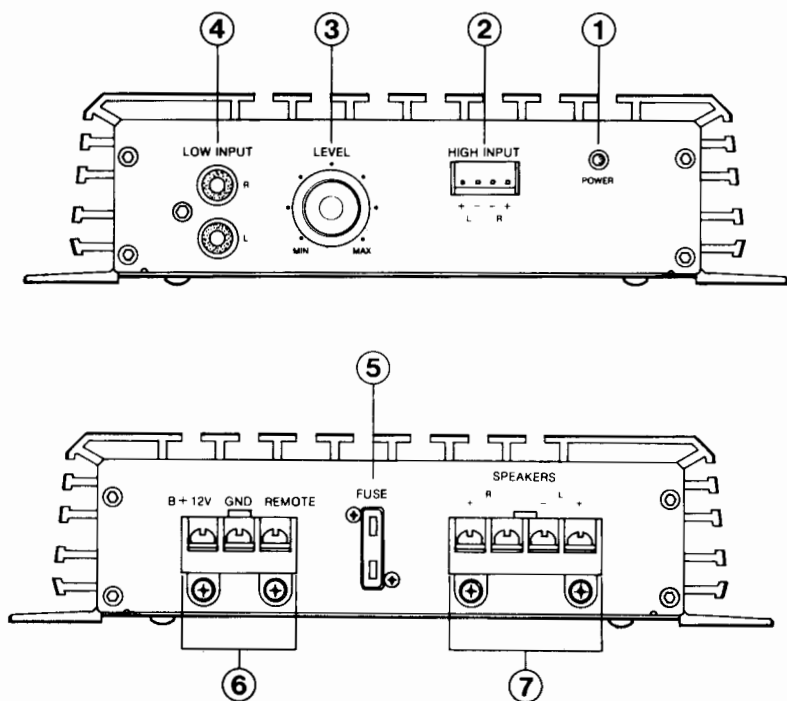
Owner's Manual for Legacy Car Amplifiers

INTRODUCTION

Thank you for purchasing the Legacy model LA120 series II High Speed Power Amplifier. The LA120 has been designed using the latest electronic technology available.

The LA120 is with engineered features allowing you to produce high quality stereo reproduction in mobile applications. This innovative system has been designed a 12 volts DC negative ground power supply. Easy installation with mounting hardware is provided.

The LA120 has two input levels. The high or low impedance input can be connected to units which incorporate BTL circuitry or common-ground types.



FEATURES & FUNCTIONS

1. POWER ON LED:

Lights up when the remote control on system is energized.

2. LOW IMPEDANCE INPUT (HIGH LEVEL INPUT)

This unit is provided with terminal inputs for Low impedance. Couple the terminals with a standard car stereo output system with common ground or floating ground type originally output to speakers. The speaker wires of the car stereo should be connected to "L" and "R" terminals respectively. If the car stereo comes out with three wires only, connect the "COMMON" wire to both "L—" and "R—" input of the amplifier.

Note: High and Low impedance input can't be used at the same time.

3. INPUT GAIN CONTROL:

When you connect your radio or equalizer to the amplifier, you may adjust the gain control to match the level output.

4. HIGH IMPEDANCE INPUT (LOW LEVEL INPUT)

This unit is provided with RCA input jacks for High impedance. Couple the RCA input with the car stereo or equalizer outputs using RCA type connector cables.

5. POWER FUSE

Power fuse protects both this amplifier and the automobile electrical system from wrong electrical conditions.

6. POWER SUPPLY TERMINAL

Connect the +12V DC power supply into the terminal by lugs and screws accessible at the panel of this amplifier.

A. BATT +12V

Connect +12V DC power supply wire into the terminal from the terminal of the battery.

B. GROUND

Ground terminal connect the ground wire to the chassis of the automobile.

C. REMOTE

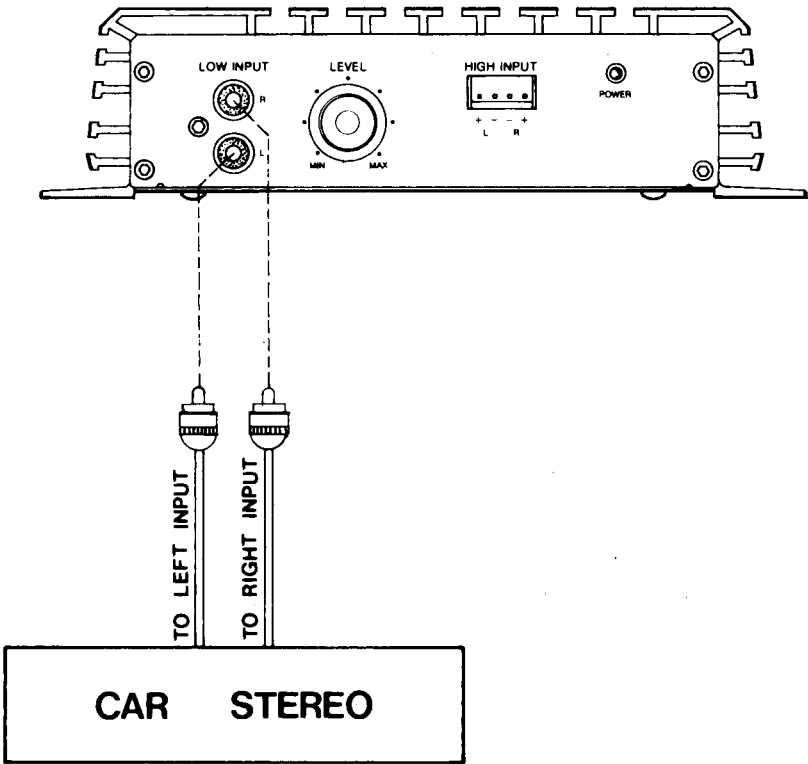
Remote terminal connects the control wire which provides remote turn-on and off of the amplifier by the radio/cassette play or equalizer.

7. SCREW TYPE SPEAKERS CONNECTOR

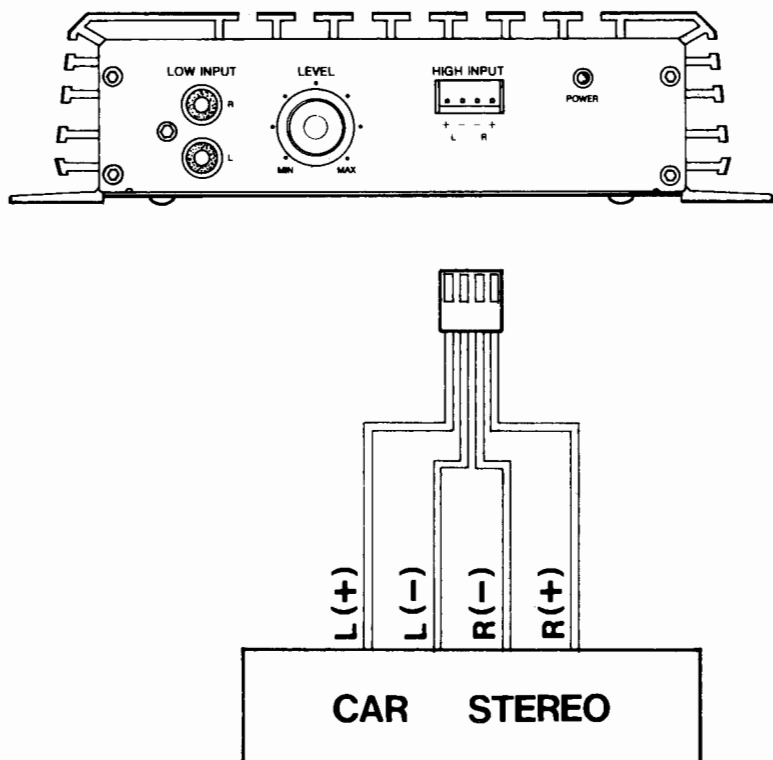
You may use either 4 or 8 ohm speakers in pair.

ELECTRICAL CONNECTION

A. HIGH IMPEDANCE INPUT CONNECTION

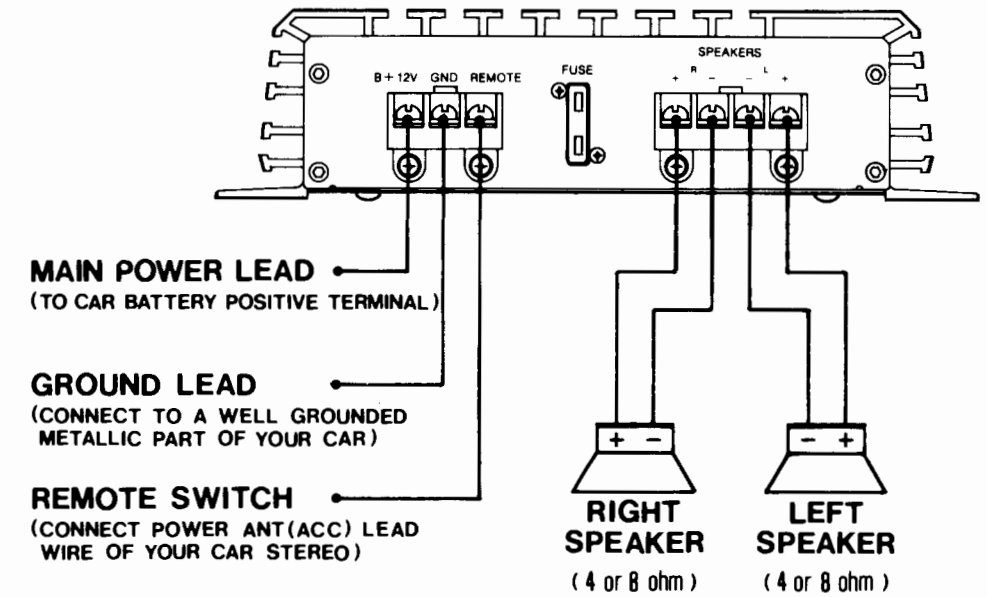


B. LOW IMPEDANCE INPUT CONNECTION



NOTE: THE ABOVE TYPES OF INPUT MUST BE USED INDEPENDENTLY. DO NOT CONNECT MORE THAN ONE INPUT AT THE SAME TIME.

C. SPEAKERS AND POWER CONNECTION



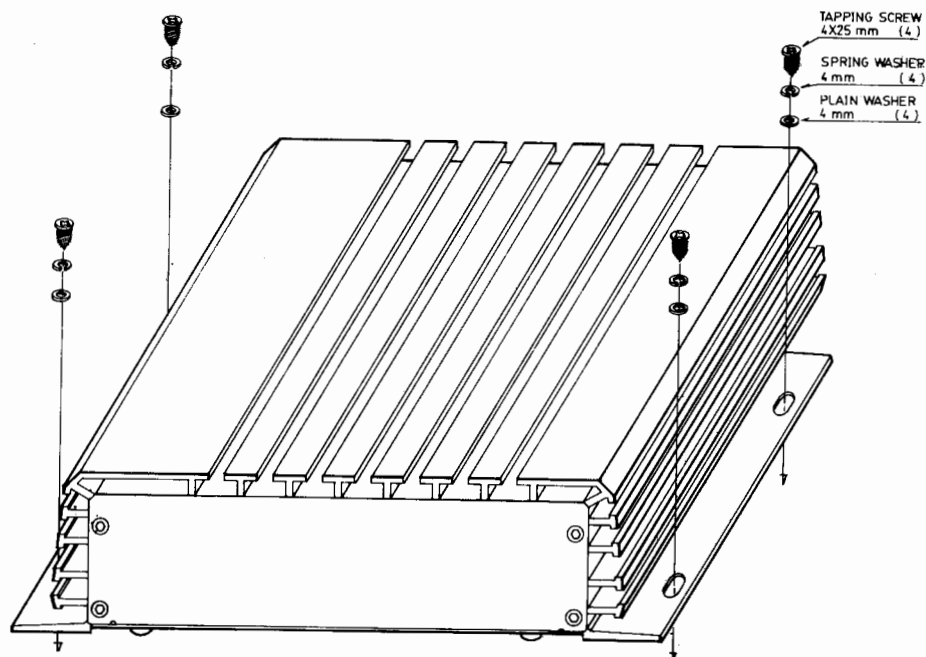
TECHNICAL SPECIFICATIONS:

Power Supply.....	12V DC (11-16V) Negative Ground
	Test Volts 14.4 V
Current Consumption.....	5A
Speaker Impedance.....	4-8 ohms
Total Harmonic Distortion.....	0.05 % 20W At 1KHz
Signal to Noise Ratio.....	More than 80 dB
Frequency Response.....	20 Hz ~ 30 KHz
Input Sensivity Low Level (High Impedance).....	300 mV
High Level (Low Impedance).....	3.0 V
Input Impedance Low Level (High Impedance).....	10K ohms
High Level (Low Impedance).....	100 ohms
Output Power.....	70 Watts x 2 RMS
	120 Watts x 2 Maximum
Dimensions (W x H x D).....	7 7/8 x 2 x 5 1/8 inch
	(200mm x 50mm x 132mm)

INSTALLATION

This amplifier comes complete with mounting hardware, if the unit is used in the line level (high impedance) mode, it is recommended to use gold plated RCA connection cables with the length as short as possible and mount the unit as close as possible to the receiver. This will lower the chance of stray magnetic pick up that may cause noise in the system.

1. Choose a suitable location.
2. Check the clearance behind and above the mounting area.
3. Wire unit according to the proper wiring diagram.
4. Using the hardware provided, attach the unit to the mounting surface.



PRODUCT WARRANTY

Legacy Audio Systems warrants this product to be free from defective material or factory workmanship and will repair this unit or any part thereof if it proves defective in normal use or service within, 5 years from date of original purchase. This warranty is to the initial owner of the product and cannot be transferred. Our obligation under this warranty is limited to repairing the defective instrument or any part thereof when it is returned transportation prepaid to Legacy Audio Systems. This warranty will be considered null and void if unit is tampered with, improperly serviced or subject to misuse, negligence or accidental damage. No unit will be accepted for warranty service if not accompanied by a receipt marked paid in full and a copy of this warranty card.

When returning for free warranty service, please include \$10.00 with unit to cover return postage and insurance. You must include a note detailing trouble you are having with the unit. The unit will be returned to you in the same cosmetic condition as it was received by us. Keep the packaging material that this unit came with and pack unit in it when returning for warranty service. The unit can be returned to any of the following locations:

Legacy Audio Systems, Inc.

1501 60 Street
Brooklyn, NY 11219

Please allow 4 weeks from the date of arrival for the unit to be returned to you. In most cases we will have the unit back to you way before this time limit. Out of warranty service is available at additional cost.

Model Number:

Serial Number: _____

Found on bottom plate of unit

Date Purchased: _____

Be sure to include a copy of this warranty with your paid receipt when returning item for free warranty service!