

Sophia Electric

Prodigy Tube Amplifier

USER'S MANUAL



Introduction

Sophia Electric wishes to thank you for choosing the Sophia Electric Prodigy tube amplifier. Please read this manual thoroughly before using your new product so that you may gain maximum enjoyment from your music collection.

Warning

To reduce the risk of fire or electric shock, do not expose this amplifier to rain or moisture.

Do not operate in the presence of children or pets.

Do not remove the base plate: THERE ARE NO USER SERVICEABLE PARTS INSIDE plus 1000 VOLTAGE DC ALSO AGAINST ANY UNAUTHORIZED TWEAKING.

Warranty

The Prodigy tube amplifier is warranted against any defect in material and workmanship for a period of 12 months from the date of purchase. Within this period, we undertake to supply replacement parts and labor free of charge, provided failure was not occasioned by misuse or negligence. Sophia Electric brand tubes are warranted for 12 months and third party tubes are warranted for 6 months.

Service

If service is required, the unit should be returned to an authorized Sophia Electric dealer or agent.

Partnering Equipment

The amplifier is capable of very high resolution but, as with any audio system, will be limited by the “weakest link” in the chain. We therefore suggest and recommend that you select high quality source equipment (pre-amp, speaker cable, power cord, CD player etc).

Unpacking

Before your new amplifier left our factory, it was inspected and tested to ensure your satisfaction: In the event of damage during shipping, please note:

THE RIGHT TO A CLAIM AGAINST A PUBLIC CARRIER CAN BE FORFEITED IF THE CARRIER IS NOT NOTIFIED PROMPTLY IN WRITING AND IF THE SHIPPING CARTON AND PACKING MATERIALS ARE NOT AVAILABLE FOR INSPECTION BY THE CARRIER.

Ensure that the carton is the correct way up, cut through the security bands and carefully cut through the sealing tape on the outer carton. Carefully cut through the sealing tape on the inner carton. Fold back the carton closure flaps and remove the top polystyrene shell. Prepare a stable surface large enough to set the amplifier down. Stand so that the heavy side of the amplifier is towards you. Have an associate hold the box carton down. Place each hand at each side of the chassis with the fingers securely under the amplifier and lift the amplifier free of the carton.

WARNING! The tube amplifier is heavy. To reduce the possibility of injury, wear a pair of gloves and a back protection belt. Sophia Electric cannot accept liability for injury resulting from handling of the amplifier.

Save all packing materials as they are intended to reduce the possibility of transportation damage should the need to ship your amplifier arise.

Tube Installation (See Diagram Below)

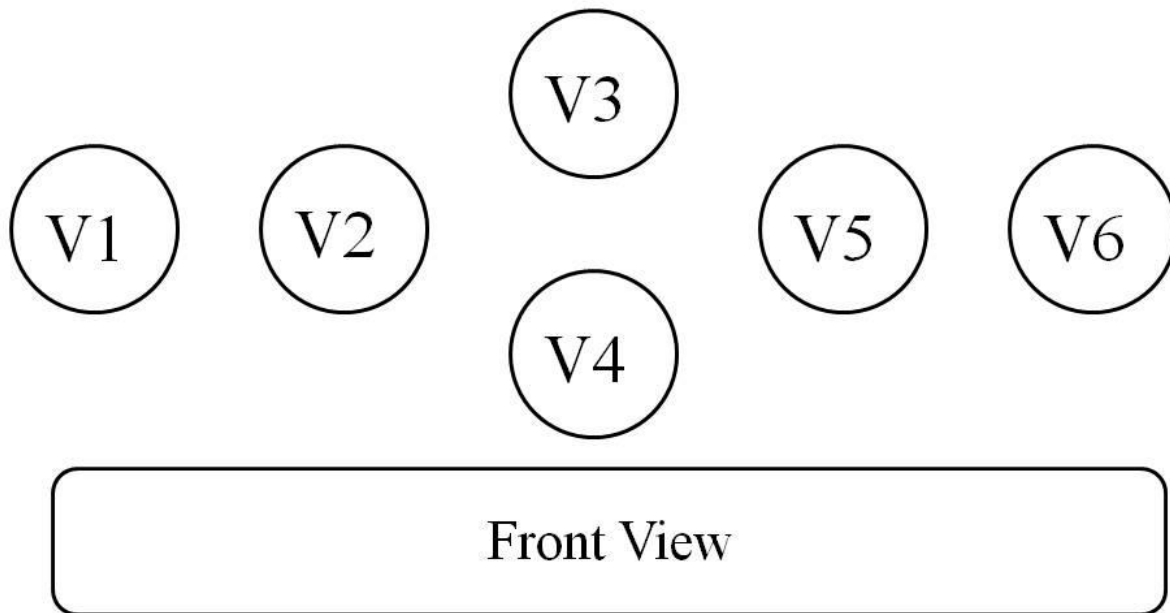
Always handle the tubes with clean hands. **NEVER** touch them when an amplifier is turned on or for at least ten minutes after it is turned off. Otherwise, you may suffer severe burns to your fingers and hands.

You should line up the pins of the tube with the holes in the socket. Press down gently until the tube fits securely into the base. If the tube doesn't fit readily, do not use brute force. Take it out and start again. Please make sure you put the tubes in correctly (see diagram below).

Output tubes: 6V6 matched quad. V1 & V2 as one matched pair, and V5 & V6 as the other matched pair.

Input/Driver tubes: ECC81/12AT7 matched pair. Each ECC81/12AT7 tube has two triodes. So there are 4 triodes for one pair ECC81/12AT7. To achieve best sonic performance from this Prodigy amplifier, all 4 triodes need to be matched for both current and trans-conductance.

Tube Installation Diagram



Loudspeaker Connection

First connect your loudspeakers. There are two impedance choices: 4 ohms and 8 ohms. The 4 ohm connection is the center red binding posts while the 8 ohm connection is the outer red binding posts (see diagram below).

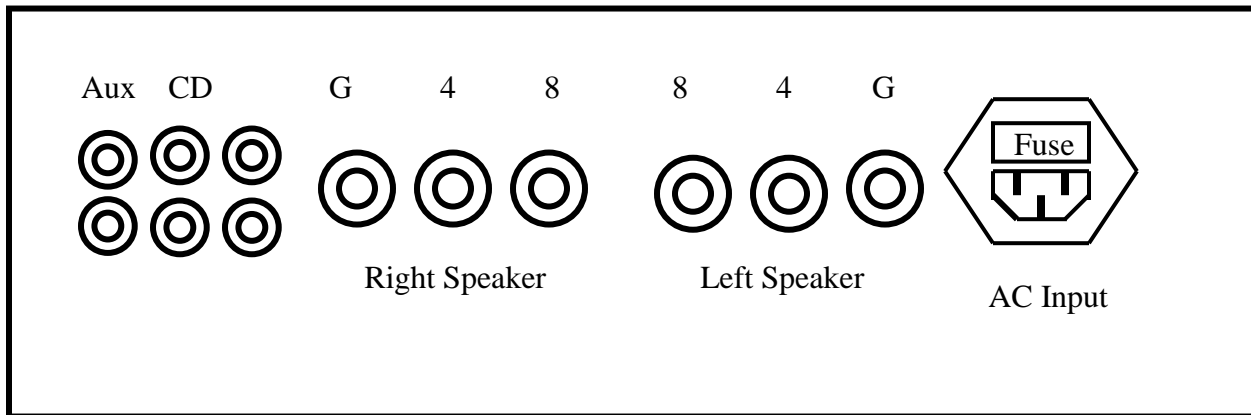
CAUTION: While it is very unlikely that damage will result if you power your amplifier up without the loudspeakers connected, SOPHIA ELECTRIC RECOMMENDS THAT YOU DO **NOT** POWER THE AMPLIFIER UP UNLESS LOUDSPEAKERS OF THE PROPER IMPEDANCE ARE CONNECTED TO BOTH CHANNELS.

Connecting the Prodigy amplifier into the system

All connections are located on the rear panel of the unit. Looking at the panel, you will see RCA input and a binding post for the ground connection.

Rear of Integrated Amplifier

(Showing input jacks, output binding posts, line socket and line voltage selector.)



AC Input: 120V/60Hz(USA model) or 240V/50Hz (European/Asian model).

The AC input connection is located at the far left in the back. The input is via a three-core IEC socket. A main fuse is located next to IEC. One unit of quality main cables (Detachable) is included with the Prodigy tube amplifier. If you choose to replace the cable with an esoteric type, make sure that it has a third pin for grounding the unit.

Front panel control (from left to right):

Volume Control

Source Selector

Source Selector: the bottom choice is mute.

Partnering Equipment

The amplifier is capable of very high resolution. As with any audio system, the Prodigy push-pull amplifier will be limited by the “weakest link” in the chain. We recommend that you select high quality source equipment (speaker cables, power cord, CD player etc) to gain the maximum sonic capability.

Using Prodigy tube amplifier

- 1) Allow the unit about 20 minutes to warm up before doing any serious listening. This will allow the circuit to stabilize and components to settle.
- 2) Avoid repeatedly turning the unit on and off in quick succession. This may damage the tubes and some of the capacitors.
- 3) Never disconnect the output wires while your amplifier is turned on.
- 4) For long trouble free services, please do not keep the amplifier on overnight or do not keep the amplifier running more than necessary. Sophia Electric recommends users turn off the amplifier for 30 minutes every 5 hours.
- 5) Caution: Do not touch the speaker binding post once the amplifier is on or within 2 minutes after it is turned off.

Please contact to your dealer for any questions you may have. Or Send fax/email to Sophia Electric when dealer advice is not possible. Thank you for using Sophia Electric Products.

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