Lyrita Audio

L - 458, Sarita Vihar New Delhi 110 076

Tel: 011-4140 1143 email:viren.bakhshi@gmail.com www.lyrita-audio.in

2A3 SET tube integrated amplifier

Manual

Lysita Audio

Guarantee

This amplifier is guaranteed against any defect in material and workmanship for a period of two years from the date of purchase. Tubes are guaranteed for thirty days.

Within this period, Lyrita Audio will repair the amplifier without charge, provided that failure was not due to misuse.

A separate guarantee card is not issued with this unit. The guarantee period begins on the day you take delivery.

Serial	No.			

Specifications

Input tube Russian 6N1P (1 nos)

Driver tube Russian 6N6P (1 nos)

Output tubes Shuguang 2A3C (2 nos)

Rectifier tube Russian 5Z4C (1 nos)

Power Output 3 watts per channel into 8 ohms

Frequency Response 40 Hz to 20 kHz

Distortion (THD) less than 1%

Inputs CD, Tape, Tuner

Outputs Speakers

Mains Power 230 V, 50 Hz, 250 W (max)

Size W x D x H 360 x 520 x 200 mm

Weight 18 kg

Installation

The amplifier should be placed as close to the loudspeakers as possible. This will allow the connections to be made with short speaker cables. It is advisable to keep the additional impedance seen by the amplifier as low as possible. The best way to do this is to keep the speaker cables short.

Good ventilation should also be provided around the amplifier. The tubes generate a fair amount of heat, and natural ventilation is necessary to dissipate this heat to the surroundings. The amplifier chassis will get warm, but should still be comfortable to touch.

Always place the amplifier on a firm, smooth surface.

Operation

Tube amplifiers need a load connected to their output. Always connect the speakers before operating the amplifier.

To power on:

- Flip the power switch DOWN. LED glows 'Green'.
- Wait 1 minute, for the tubes to heat up.

When making or breaking any connections, always turn off the power to the amplifier first, so that no hum or transients are transferred to the speakers.

When sitting down to a listening session, it is a good idea to let the system warm up for a half-hour. This stabilizes the circuitry, and makes it sound better.

Description

The **2A3 SET** is a low power tube, stereo integrated amplifier, offering superb reproduction of sound.

The 2A3 SET amplifier accepts three line level source inputs. The signal path is kept as simple and as short as possible, to preserve the integrity of the music signal.

The design is a single-ended, directly heated triode (DHT) tube amplifier. The entire signal in each channel is handled by a single output tube, making this class A operation. All wiring is point-to-point. The tube input stage is capacitor coupled to the driver stage, which in turn is coupled through an interstage transformer to the tube output stage. The output stage uses a custom designed audio output transformer. No global feedback is used.

The power supply has an oversized transformer, to provide good regulation for the supply voltages. Tube rectification is used. Each stage of the high voltage supply is independently filtered through chokes. Individual filament transformers are used for low noise operation.

The 2A3 SET is housed in a naturally finished solid sheesham cabinet. The design elegantly showcases the beauty of the tubes.

Connections

Power

Mains supply connection is through a detachable power cable with an IEC-type connector. The mains power switch is mounted on the front panel of the amplifier.

Signal

All input signal connections are made to RCA sockets on the back panel of the amplifier. These are user specified, for line level sources only.

Speakers

The speaker output sockets accept banana jacks only. The norm here is Red for signal and Black for ground. Maintain the colour code when connecting to the loudspeaker, so that the speakers operate in phase.

Fuses

! Warning: In operation, this amplifier has high voltages. Always switch off, and unplug the amplifier from the mains supply before working on it. Wait for 5 minutes for the high voltages to die down, before opening the amplifier!

The amplifier is protected against overload by fuses at three points. The mains supply fuse is mounted on the rear panel and is easily accessed from the outside.

Inside the amplifier are two fuses on the high voltage supply. These are mounted on the inside panel above the power supply capacitors. To reach the internal fuses, remove the back top plate of the amplifier.

Mains supply fuse 2 A, 250V (RQB 2000)

High Voltage supply fuse 200mA, 250V (RQB 200) 100mA, 250V (RQB 100)

On operation of the amplifier, if the fuses do blow, check all possible causes before replacing the fuses. If any doubt remains, contact Lyrita Audio for servicing.