

*Lyrta Audio*

L - 458, Sarita Vihar  
New Delhi 110 076

Tel : 011-4140 1143  
email: [viren.bakhshi@gmail.com](mailto:viren.bakhshi@gmail.com)  
[www.lyrita-audio.in](http://www.lyrita-audio.in)

**Lync  
tube preamplifier**

**Manual**

*Lyrta Audio*

## Guarantee

This preamplifier 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

Tube, line stage	Russian 6N6P (1 nos)
Tubes, phono stage	Russian 6N2P (2 nos)
Tube, rectifier	Russian 5C4S (5Z4G) (1 nos)
Frequency Response	20 Hz to 20 kHz
Distortion (THD)	less than 1%
Inputs	Phono, CD, Tape, Tuner
Outputs	Main Out
Mains Power	230 V, 50 Hz, 150 W (max)
Size W x D x H	360 x 400 x 130 mm
Weight	10 kg

## Operation

To turn ON the preamp flip the Power Switch down. The LED turns "Green".

Power to the circuit ramps up gently. In about a half minute, the preamp will be operational.

The volume control is a high quality potentiometer, with excellent matching between the two sections.

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.

## Installation

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

Always place the preamplifier on a firm, smooth surface.

## Description

The **Lync tube preamplifier** is a purist design, which provides basic control functions in an audio system.

The signal path is kept as simple and as short as possible. This preserves the integrity of the music signal; as any additional circuitry only adds complexity and distortions of its own. This, of course, eschews the use of unnecessary switching and filter circuits, as well as tone controls.

The overall design is simple and direct. Line level inputs (CD, Aux) have only one amplification stage through the 6N6P tube. This provides a low level of gain.

A Phono input is also provided for those with their treasured record collections. It accepts signals from a high output Moving Coil or a Moving Magnet cartridge. Passive RIAA equalization is applied between two active gain stages, using Russian 6N2P low noise tubes. The loading can be customized for a specific cartridge.

All wiring is point-to-point. All gain stages operate in Class A mode. No global feedback is used.

The power supply uses a large, shielded power transformer, and a separate filament transformer. Tube rectification is used. Each stage of the high voltage supply is independently filtered through chokes and RC filters.

The **Lync tube preamplifier** 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 signal connections are made to RCA sockets on the back panel of the preamplifier. These are clearly marked.

### CD / Tape / Tuner

These are all line level inputs, and can be used with the sources indicated.

### Phono

This input is only for a LP record player with a high output moving coil (MC), or moving magnet (MM) cartridge. A ground lug is provided.

### Output

This set of output connectors sends the output signal to the power amplifiers.

## Fuses

**! Warning : In operation, this preamplifier has very 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 preamplifier is protected against overload by a fuse at one point only. This is the mains supply fuse, mounted on the rear panel and is easily accessed from the outside.

Mains supply fuse            1 A, 250 V (RQB 1000)

On operation of the preamplifier, if the fuse does blow, check all possible causes before replacing the fuse. If any doubt remains, contact Lyrita Audio for servicing.