

*Lyrta Audio*

L - 458, Sarita Vihar  
New Delhi 110 076

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

**Integre Two**  
**tube integrated amplifier**

**Manual**

*Lyrta 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 Tubes	Russian 6N2P (2 nos)
Output Tubes	Russian 6P15P (EL83) (4 nos)
Rectifier Tube	Russian 5C4S (5Z4G) (1 nos)
Power Output	10 watts per channel into 8 ohms
Frequency Response	40 Hz to 20 kHz
Distortion (THD)	less than 1%
Inputs	CD, Tape, Tuner
Outputs	Speakers, Line Out
Controls	Source, Volume
Mains Power	230 V, 50 Hz, 250 W (max)
Size W x D x H	360 x 400 x 140 mm
Weight	12 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 to 'OPERATE'. 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 **Integre Two** is a tube stereo integrated amplifier, offering excellent reproduction of sound.

The Integre Two 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 overall design is simple and direct, with innovative circuitry. All wiring is point-to-point. The input is a differential stage acting as a voltage amplifier and phase splitter. This is RC coupled to the tube output stage. The output stage is push-pull in pentode mode. The output stage uses a custom designed audio output transformer. Minimal feedback is used.

Fixed biasing is used for the output tubes. No user adjustment is required.

The power supply has an oversized EI-core 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. Separate transformers are used for the tube heaters.

The Integre Two 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.

### Line Out

A Line Out connection is provided for the selected source signal to be sent to an external subwoofer.

### Speakers

The output speaker cables hook up to the banana sockets. 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 two points. The mains supply fuse is mounted on the rear panel and is easily accessed from the outside.

Inside the amplifier is a fuse on the high voltage supply. This is mounted on the inside panel above the power supply capacitors. To reach the internal fuse, remove the back top plate of the amplifier.

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

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

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.