

Lyrita Audio

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GM70 SET
tube power amplifier

Manual

Lyrita 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.

Model No. _____

Specifications

Driver Tubes	Russian 6E5P (2 nos)
Output Tubes	Russian GM70 (2 nos)
Rectifier Tube	Russian 5C4S (5Z4G) (1 nos)
Power Output	20 watts / channel into 8 ohms
Frequency Response	40 Hz to 20 kHz
Distortion (THD)	less than 1%
Mains Power	230 V, 50 Hz, 350 W (max)
Size W x D x H	360 x 520 x 200 mm
Weight	22 kg

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 UP to STANDBY. LED glows 'Red'.
- Wait 1 minute, for the tubes to heat up.
- Flip the power switch DOWN to OPERATE. LED glows "Green".
- Switch centre position is OFF.

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 **GM70 SET** is a medium power tube, stereo power amplifier, offering superb reproduction of sound.

This amplifier has to be operated using a preamplifier, which controls all signals coming to the amplifier. Lyrita recommends using their DHT Line preamplifier.

The design is a single-ended triode tube amplifier, using the GM70 DHT power tube. The entire signal in each channel goes through a single output tube, making this class A operation. All wiring is point-to-point. The tube driver stage 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.

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

The power supply has an oversized transformer, to provide good regulation for the supply voltages. Solid state rectification is used for the output stage, and tube rectification is used for the driver stage. Each stage of the high voltage supply is independently filtered through chokes. Individual filament transformers are used for low noise operation. A DC filament supply is used for the output tubes.

The GM70 SET is housed in a naturally finished solid sheesham cabinet. The design elegantly showcases the beauty of the tubes.

