Lyrita Audio

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Horn Grande

loudspeakers

Manual

Lyrita Audio

Guarantee

These speakers are guaranteed against any defect in material and workmanship for a period of two years from the date of purchase.

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

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

Serial No. _____

Specifications

Horn Grande

Frequency response	40Hz to 18kHz
Driver, high	1” compression driver, with LeCleach wood horn, 600 Hz cutoff (Eminence PSD2002)
Driver, low	15” bass driver, in vented cabinet, front horn loaded (Eminence GAMMA 15A-2)
Crossover	First order Butterworth, 800 Hz
Impedance	10 ohm (100 Hz to 20 kHz)
Sensitivity	100 dB at 1 watt
Power handling	50 watt
Dimensions W x H x D	550 x 1280 x 550 mm each
Weight	35 kg each

Description

The **Horn Grande** are full range, full horn, floor standing speakers. This is a 2-way speaker system using a 1” horn loaded compression driver, and a large 15” bass driver in a front horn loaded box.

This system uses professional drivers, to take advantage of their high sensitivity and power handling. Horn loading improves this further, and also gives a heightened sense of dynamics and scale.

The compression driver, which reproduces the midrange and high frequencies, is used with a custom designed solid teak wood horn, using the special LeCleach horn profile. The bass driver is mounted in a vented cabinet, and front horn loaded, to extend its low frequency response. The crossover is a first order network set at 800 Hz. This combination gives clarity to sound which is exemplary.

These high sensitivity speakers combine well with any of Lyrita’s tube amplifiers, to reproduce the rich tone, texture, and scale of music.

The cabinets are beautifully finished in real wood veneers.

Connections

Cables are connected with banana jacks to sockets at the back of the speaker cabinets.

Speaker cables should be kept as short as possible, so that the additional impedance seen by the amplifier is as small as possible. The best way to do this is to keep the speaker cables short.

Cables for the left and right channels should be of equal lengths, and should be placed away from power cables. Follow the colour code while making connections, to maintain proper phase between the speakers.

Location

Placement of the speaker system is very dependent on the listening room, and some experimentation will be necessary.

The room plays an enormous role in the quality of the sound perceived by the listener. The size, the shape, the ratio of the respective dimensions, the type of construction of the room; and the nature and quantity of the furnishings present, all influence the sound heard by you. Obviously, the location of the speakers will also be influenced by the normal usage of the room, and a compromise will be necessary.

In most rooms, the biggest problem is in the low frequency region. Standing wave resonances are excited by certain low frequencies in the music and impart a boomy quality to the sound. This problem can only be minimized by experimenting with the positions of the speakers and the listener in the room.

Here are some general guidelines for obtaining the best sound from your speakers :

- Place the speakers close to the front wall (from the listener's perspective), but away from corners. A good starting point will be to place them about 3 metres apart, 0.5 metres from the front wall, and atleast 1 metre from the side walls.

- Place the speakers symmetrically in the room. Furnishings on either side should be similar in nature.

- The direct sound from the speakers to the listener should be unobstructed.