Lyrita Audio

L - 458, Sarita Vihar
New Delhi 110 076

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

Harmony One

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

	Harmony One
Frequency response	40Hz to 18kHz
Drivers	6” fullrange
Impedance	8 ohm
Sensitivity	93 dB at 1 watt
Power handling	30 watt
Dimensions W x H x D	205 x 1375 x 410 mm each
Weight	15 kg each

Description

The **Harmony One** are tall, slim floor standing speakers. These are single driver, full-range speaker systems, using the Fostex FE166En drivers. The entire audio spectrum is reproduced by the single driver. The clarity of sound from these speakers just has to be heard!

- For a single driver, no crossover is required, and none of the phase shifts occur that are endemic to crossovers.

- Sound radiates from a single point source, the most coherent of all. No interference effects occur as between displaced multiple drivers.

- Single, high efficiency drivers, because of their designed properties and light cones, give good detail and a large dynamic range.

The Japanese Fostex drivers are high sensitivity drivers, with very light paper cones, and powerful magnets. They respond very quickly and accurately to music signals. Dynamics are incredible!

The cabinet is a special design to extend the low frequency response of the system. This is a mass-loaded tapered quarter wave tube (TQWT), with the driver positioned in the centre. The low end response is extended considerably, giving amazing bass from such a short-throw driver.

The cabinets are beautifully finished in real wood veneer. An option is the use of solid sheesham.

Speaker Grills

The drivers are mounted directly on the front baffle. The low profile of the driver chassis helps to avoid dispersion problems in the high frequencies.

A grill is provided, magnetically attached to the driver chassis. For critical listening, remove the grill, since grills always produce irregularities in the response.

Connections

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.