



JR[®]
Loudspeakers

It took Jim Rogers over 3 years to add another loudspeaker to the JR range.

When you have designed a loudspeaker as revolutionary as the famous JR149 you don't just bring out bigger and smaller ones. The laws of physics governing sound reproduction, and that most important human ear of the designer, just don't work that way. Each new speaker requires intensive research if it is to maintain the highest standards throughout the range.

THE JR149

The JR149 with its more economical price will continue to satisfy a very large number of discriminating music lovers. Music and speech reproduction of all kinds, including organ music, are of a quality to belie this speaker's small size. In fact with the JR149 the listener is less conscious of the source, much more aware of the realism with which musical sounds are projected in the room.

Due to the accurate matching of all parameters no undesirable phase effects are exhibited and pink noise tests have revealed a truly remarkable lack of colouration. For sheer fidelity and performance these speakers attain new standards. Impeccable design and carefully controlled manufacture have achieved a breakthrough in audio technology. The JR149 offers exceptional reproduction without the slightest hint of the speaker's small size. Versatility is the keynote. Capable of room filling sound of the highest quality, it is the ideal solution for more compact systems where space is at a premium.

THE JR150

The new Twin Bass 100 watt JR150 is the very latest acoustic development, incorporating several new design concepts which bring about an outstand-



ing open sound together with low bass distortion. Jim Rogers has chosen once again a tensioned aluminium cylinder with dampened internal walls to virtually eliminate any form of vibration; a principle so successful on the sister model 149. The JR150 has two long throw Bextrene Coned bass units which work both electrically and acoustically in parallel. This increases radiation efficiency, reduces

distortion and assures a superb transient response.

A specially doped 1" soft domed tweeter has been produced for the JR150 which gives a very wide and smooth response. The Jim Rogers crossover design is highly sophisticated and incorporates 16 elements. The 24 db per octave slope of the filter is adjusted for Optimum Q. This has the effect of totally suppressing the tweeter cavity resonance over 32 db, thus enabling the tweeter to handle very high peak power. The low end of the tweeter range is also utilised by a lowered crossover point. Considerable improvements also arise in the polar response due to the bass and tweeter having wide dispersion at the crossover.

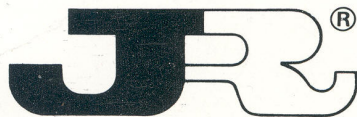
THE JR149 and JR150

Are available in a variety of wood and leather finished tops comprising teak, walnut, rosewood, yew, black, white, aluminium and anodised gold, as well as red, green or brown leather inlaid into rosewood. The acoustically transparent foam cover can be removed for cleaning. Wall brackets are available for the JR149, and well designed floor stands are available for each model in chrome or black.

SPECIFICATIONS

	JR149
Frequency Response:	40Hz — 40KHz
Power Handling:	60 watts programme. Suitable for 20 — 100 watt amplifier
Sensitivity:	83 db ref. 1 watt into 8 ohms
Impedance:	Suitable for outputs 4 — 16 ohms
Crossover Frequency:	3KHz
System Resonance:	59Hz
Dimensions:	9" diameter (23cm) × 14 ⁵ / ₈ " (37cm)
Weight:	12 lb (5.5 Kg)
Bass Unit:	13cm (Long Throw)
Treble Unit:	2cm Dome

	JR150
Frequency Response:	40Hz — 40KHz
Power Handling:	100 watts programme. Suitable for amplifiers from 15 to 100 watts
Sensitivity:	87 db ref. 1 watt into 8 ohms
Impedance:	Suitable for outputs of 4 — 16 ohms
Crossover Frequency:	2.2 KHz 24 db per octave
System Resonance:	65 Hz critically damped
Dimensions:	21" H × 11" Dia (55cm × 28cm)
Weight:	24 ³ / ₄ lbs (11 kg)
Bass Unit:	2 × 13cm (Long throw)
Treble Unit:	1 × 2.5cm (Soft Dome)



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