

The JR Super Woofer makes Compact Speakers perform like Studio Monitors.



JR149
Loudspeakers



JR Super Woofer

JR
Loudspeakers

The JR Super Woofer Systems

represent an important step forward in speaker technology. Designed by Jim Rogers whose JR 149 Loudspeakers have received world-wide acclaim, the JR Super Woofer is available in several forms, from a simple add-on Bass Unit to a sophisticated version, incorporating an electronic crossover and an additional 60 watts amplifier to drive the Woofer alone.

No matter what type of speakers you have, provided they fail to give as good a bass performance, there is a version of the Super Woofer designed to augment them with deep, deep bass. This unique unit, handling the two lowest octaves down to 30 Hz, provides a powerful extension of low frequency energy, e.g. organ pedal notes, orchestral bass or the synthesizers and electronic instruments of modern music.

It is a fact that low bass carries little or no directional information to our ears, so that all the stereo sound appears to emanate from the two conventional speakers. The Super Woofer utilises this principle and offers a space-saving solution to the problem of full range sound coverage, and it is not critical on placing within the room. Designed as an attractive piece of furniture that can also be used as an occasional table, it measures only 20 inches (51 cm) diameter by 18½ inches (47 cm) high and is easily moved on its nylon castors.

The JR 149's are superb compact speakers in their own right. Add on the JR Super Woofer and you have studio monitor performance at a fraction of the cost in a fraction of the space.

Alternatively, add the appropriate model of Super Woofer (L.P.A. System or E.X.A. System) to your existing small dynamic speakers, or even electrostatics, and enjoy the extra realism and warmth of sound that can result.

You can choose from a range of nine finishes: — Teak, Walnut, Rosewood, Yew, Black, White, as well as Red, Green or Brown Leather inlaid into Rosewood.

The JR Super Woofer L.P.A. System (Low-Pass Amplified system)

This comprises the Super Woofer plus a 30 watts amplifier with electronic low-pass filter designed to connect to the loudspeaker terminals of all types of amplifiers. The system can be used to augment the limited bass of small speakers or some electrostatics, irrespective of impedance and efficiency. The electronics are contained in an attractively styled duotone case finished in Brown and Danish Silver.

Specification: JR Super Woofer

Frequency range:	extending down to 30 Hz approx.
Power handling capacity:	100 watts programme.
Impedance:	Nominally 8 ohms at 120 Hz.
System resonance:	42 Hz.
Dimensions:	20 in diameter (51 cm) 18½ in high (47 cm)
Weight:	38.5 lbs (17.5 kg).

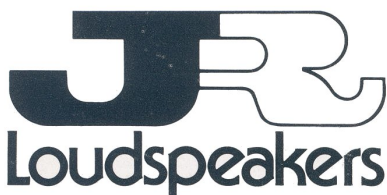
L.P.A. Unit (Low-Pass filter with Amplifier)

Input Sensitivity:	(Adjustable) Maximum 3 volts R.M.S. for 25 watts output.
Power Output R.M.S.:	25 watts into 8 ohms.
Power Output Music:	30 watts into 8 ohms. Suitable for JR Super Woofer or other Woofers of minimum 8 ohms impedance.
Low-Pass Butterworth-type filter response:	18 db per octave Total Response of filter: — 1 db at 20 Hz — 3 db at 72 Hz Sub-Audio Response: — 45 db at 2 Hz.
Distortion:	Typically 0.25% or better for 25 watts into 8 ohms.
Mains Supply:	110-120 volts or 220-240 volts. 50/60 Hz.
Consumption:	50 watts.
Fuse:	Bass loudspeaker protected by internal fuse in L.P.A. unit.
Case only:	10 in × 7½ in × 3¼ in (25.4 × 19.5 × 8.25 cm).
Overall Dimensions:	10 in × 9 in × 3½ in (25.4 × 22.9 × 8.9 cm).
Weight:	6½ lbs (2.94 kg).

The JR Super Woofer E.X.A. System (Electronic Crossover Amplified system)

This comprises the Super Woofer plus an electronic crossover and a separate 60 watts amplifier designed to operate from the pre-amplifier of a high fidelity system. It will only be suitable for use with separated amplifiers or integrated systems where a pre-amplifier output is available. It cannot be operated directly from the loudspeaker terminals as with the L.P.A. system. The electronic crossover will prohibit bass frequencies below its crossover point passing to the main speakers and reproduce this deep bass through its own 60 watts amplifier. All speakers, irrespective of impedance or efficiency, that lack deep bass due to the cubic capacity of the enclosure, or limited handling power, will benefit by the fact that the electronic crossover will relieve them of the stress of extreme bass reproduction, and will gain in terms of distortion and power handling. Separate detailed Specification upon request.

NOTE: Whilst the information given in this leaflet is accurate at the time of printing, production changes are subject to alteration without notice in the course of J.R. Loudspeakers' policy of continued research and development which may not necessarily be indicated in the specification. We point this out to avoid any misunderstanding and would ask you to check with your J.R. Loudspeaker dealer if clarification on any point is required.



The logo for JR Loudspeakers features a stylized, bold 'JR' monogram in a dark color. Below the monogram, the word 'Loudspeakers' is written in a clean, sans-serif font. The entire logo is set against a white background.

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