

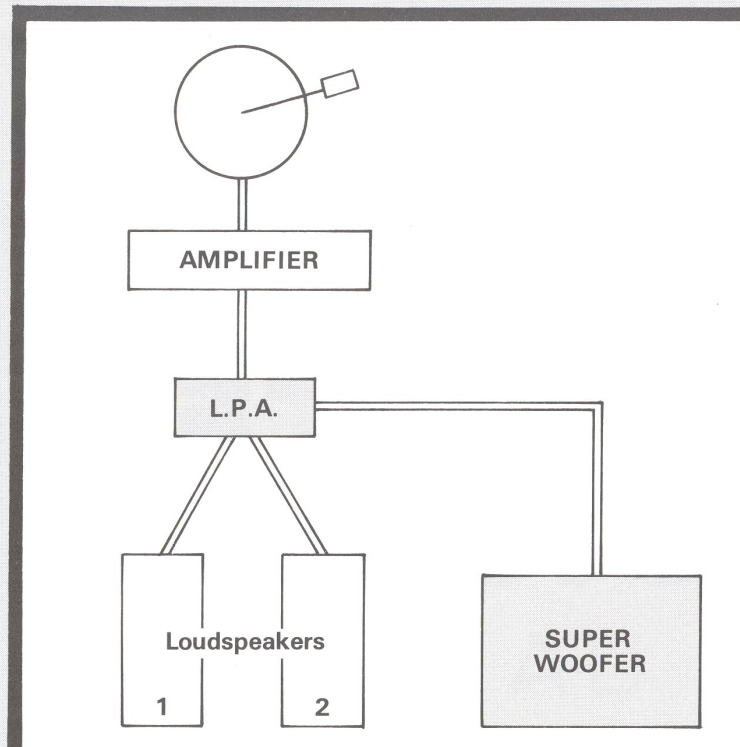


SUPER WOOFER SYSTEMS

LPA EXI PA 60

The JR Super Woofer is designed to handle deep bass signals from your amplifier right down to below 30Hz with none of the customary boom and other forms of bass distortion. These are the frequencies you feel as well as hear. Most domestic sized loudspeakers go no lower than 70-80Hz with any accuracy, and tone control adjustments merely emphasise their bass limitations. The JR Super Woofer systems process the total signal by filtering off the bass

segment below 70Hz, then after amplifying this signal, pass it through a custom designed bass unit. It is thereby possible to achieve tighter bass with less resonance, with the ability to use more compact speakers, which are often ignored due to bass limitations. As the lowest bass signals carry no directional information the JR Super Woofer can be placed anywhere in the room, and only one unit is required.

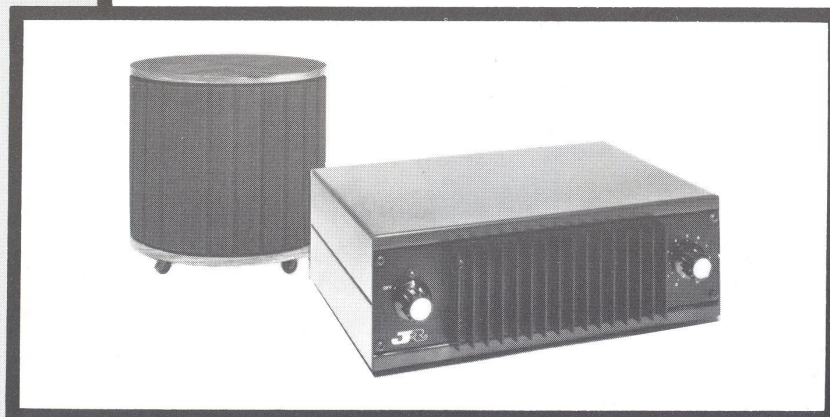


JR LPA SYSTEM

The Low Pass Amplifier (LPA) system comprises a low filter and an amplifier combined in one unit. This unit receives the full signal from the output section of the integrated amp or receiver by being connected to the loudspeaker outputs. It passes the whole signal without alteration to the regular loudspeakers. Simultaneously it filters off the signal below 70Hz, without abstracting from the regular speakers, and passes it to its own amplifier where it is processed into an amplified signal for the Super Woofer. As the JR Woofer is capable of handling sound down to below 30Hz with accuracy and realism, the whole signal can be heard in a true and compact amplified form.

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:	10in x 7½in x 3¼in (25.4 x 19.5 x 8.25cm).
Overall Dimensions:	10in x 9in x 3½in (25.4 x 22.9 x 8.9cm).
Weight:	6½lbs (2.94kg).



This allows for more compact and less obtrusive loudspeakers in the home, and because the bass frequencies are separated into their own enclosure, this enclosure can be positioned in the best location of the particular room from a reproduction point of view, thus giving further advantages over conventional stereo speakers.

JR WOOFER SYSTEMS

There are two JR systems available and their choice depends on the type of amplifier being used. The LPA system can be used by all integrated amplifiers, receivers and even higher powered music centres. The EX1 system however can only be used in conjunction with non-integrated amplifiers, where the main amplifier and the pre-amplifier are either separate units, or when they are capable of being separated by un-coupling. Each system offers its own advantages.

JR EX1 SYSTEM

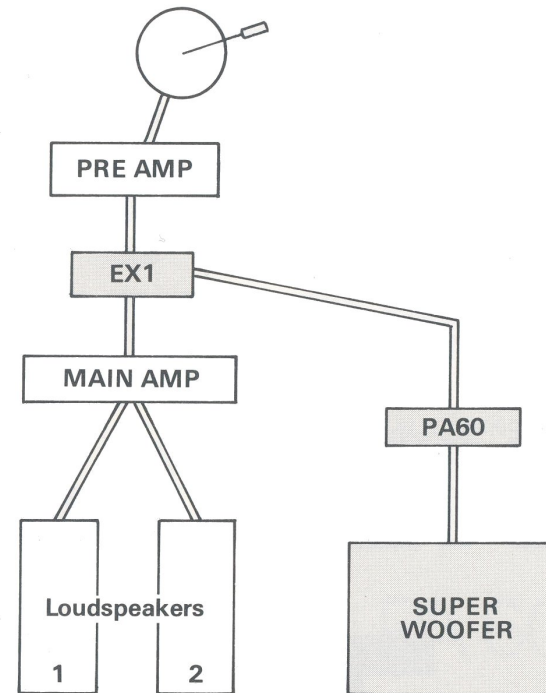
The EX1 system comprises two units; an Electronic Crossover and a separate 60 watt mono amplifier. The EX1 crossover receives its signal from the output section of a pre-amp, before it is amplified, and passes to the regular loudspeakers all signals above either 70Hz or 100Hz according to the level selected. The signals below these levels are then sent directly to the mono amplifier (PA60) where they are amplified before being sent out via the JR Super Woofer. When the 70Hz level is selected there is no detectable direction of bass sound. If using very small speakers however it may be desirable to switch to the 100Hz crossover position. Because the regular loudspeakers will receive no low signals when the EX1 system is in use, they automatically become capable of considerably more power handling, which when combined with a full clean bass output from the JR Super Woofer can produce startling results.

EX1 Technical Specification

Input Sensitivity: Suitable for pre-amp (control unit) output of 200 M/V to 1 Volt RMS
 Input Impedance: 150 OK ohms
 High Pass Output: virtually 0dB gain, signal level according to input signal
 Low Pass Output: from zero to 6DB above input level
 Outputs duplicated for feeding extra equipment where desired
 Bass Lift Control: +3dB or +6dB at 25Hz
 Filter Frequencies: 72Hz and 100Hz Filter Response: 18dB per octave
 Combined responses: ± 0.5 dB 20Hz-20KHz Hum & Noise: -85dB
 Power consumption: 120 Volts } 7 Watts
 240 Volts }

PA 60

Power: 60 watts continuous into 8 ohms
 Input sensitivity: 400 M.V. at 10K ohms
 Noise Level: -98 DB Damping Factor: 20
 Frequency Response: 20 Hz to 30KHz



JR SUPER WOOFER

The JR Super Woofer measures 40" high and 13 1/2" across its diameter. Its tops are available in a variety of wood and leather finishes which ensures its owner of a minimum of decor problems. As the Super Woofer can be located in any part of the room it is further supplied with nylon castors.

Specification

JR Super Woofer	Highly damped Reflex. Drive unit 254mm with electro magnetic damping
Frequency range:	Extending down to 30Hz
Power Handling capacity:	60 Watts
Impedance:	8 Ohms
Dimensions:	47cm high by 50cm diameter
Weight:	18 Kilos



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Dealer: