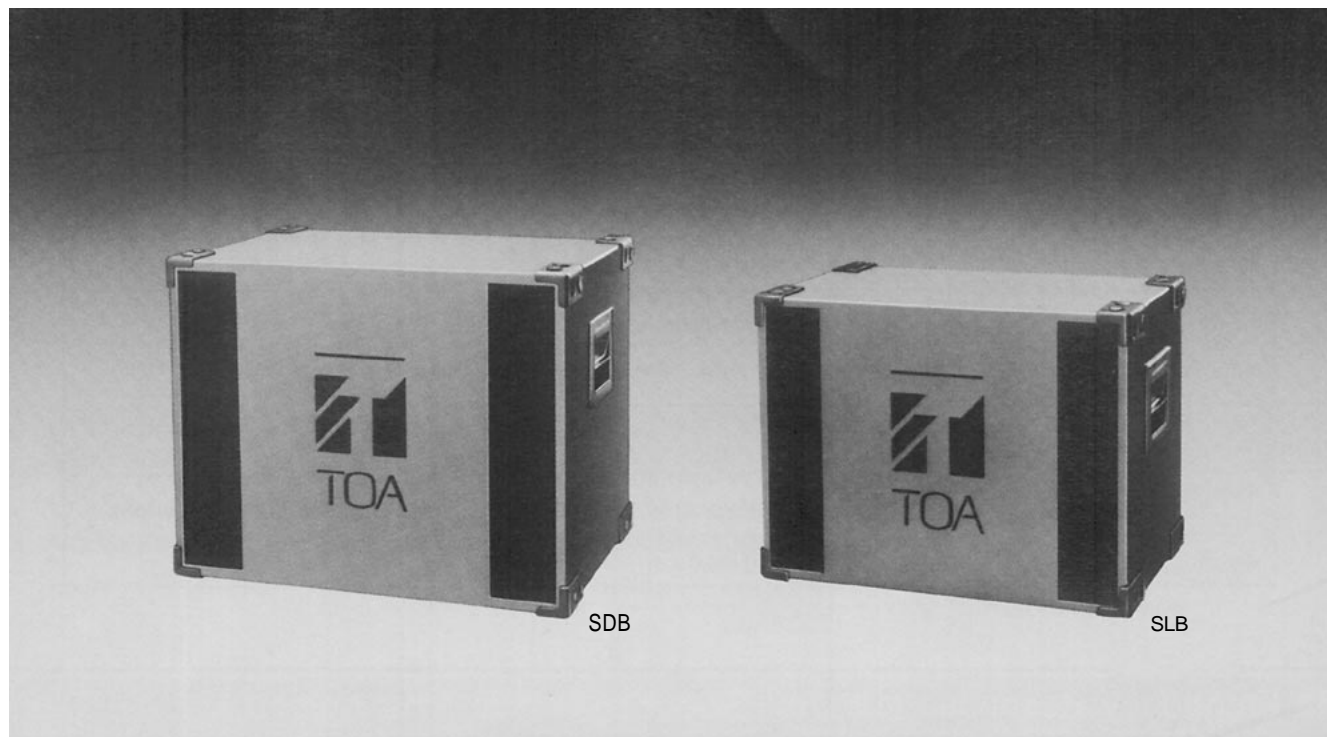


PROFESSIONAL SOUND SYSTEM



Subwoofer System

Model SDB, SLB



GENERAL DESCRIPTION

Subwoofer Systems: Models SDB and SLB

Sound reinforcement of today's electronic musical instruments and digital quality recordings requires wide frequency response, high power output and extended dynamic range, making the reproduction of ultra-low frequency sound an important factor. To complement our SD and SL Series of sound reinforcement speaker systems, the SDB and SLB were designed to meet these strict requirements.

Both systems are comprised of a bass reflex enclosure housing a heavy duty 15-inch woofer. The low frequency cut-off is tuned to 40 Hz for the SDB and 50 Hz for the SLB. The front baffle of the enclosure is designed as a functional low pass filter, thus allowing the reproduction of ultra-low frequencies with outstanding clarity. The SDB is rated at 360 watts and the SLB is 240 watts continuous program material.

Four 1/4" phone jacks are provided on the rear panel for input and bridging functions. The internal crossover input provides access to a built-in low-pass filter network (passive), and is used when an external electronic crossover network is not available. The direct input provides access to the 15" woofer, and is used in conjunction with an external electronic crossover network.

The wooden enclosure is designed and constructed to prevent resonance and sympathetic vibrations that may interfere with the accurate reproduction of ultra-low frequencies. The enclosures are equipped with large side-mounted handles for convenient transport, and interlocking protective corners for multiple speaker stacking. The SDB and SLB are finished in an attractive, scratch resistant polyester resin.

FEATURES

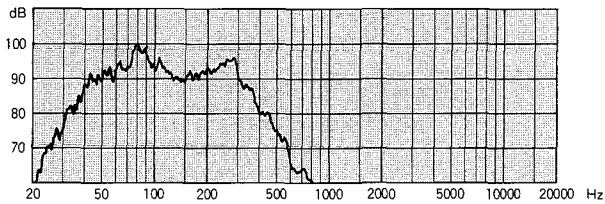
1. A uniquely designed enclosure combines a bass reflex design with an acoustical low-pass filter to produce ultra-low frequencies with outstanding clarity.
2. High power capacity provide dynamic range.
3. Quarter inch phone jack terminals for input and bridging functions.
4. Internal passive crossover network (low-pass filter).
5. Rugged enclosure finished in scratch-resistant polyester with handles and interlocking corner protectors.

Specifications

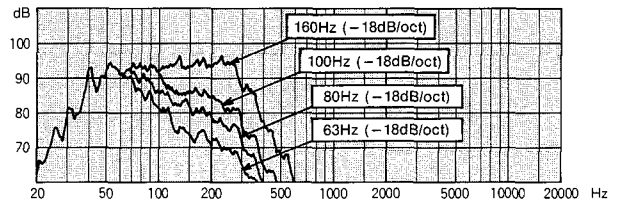
MODEL NUMBER	SDB	SLB
Enclosure	Vented (bass reflex) type	
Speaker	15" woofer (W-38J-8)	15" woofer (BST-142)
Power Capacity		
Continuous Pink Noise	120 watts RMS of band-limited pink noise	80 watts RMS of band-limited pink noise
Continuous Program	360 watts	240 watts
Impedance	8 Ω	
Sensitivity	95dB (1W/1m)	93dB (1W/1m)
Frequency Response	40Hz~150Hz	50Hz ~ 150Hz
Internal Crossover (Low-pass)	120Hz (-12dB/oct)	
Input Terminals	1/4" phone jacks for a internal crossover, direct and chaining	
Finish (Enclosure)	Polyester in grey color	
Dimensions	570(H) \times 720(W) \times 510(D) mm 22.4(H) \times 28.3(W) \times 20.1(D) inches	500(H) \times 660(W) \times 410(D) mm 19.7(H) \times 26.0(W) \times 16.1(D) inches
Weight	39kg (86.0 lbs)	25kg (55.1 lbs.)

Frequency Response (1W/1m: Swept 1/3 Octave Pink Noise)

SDB

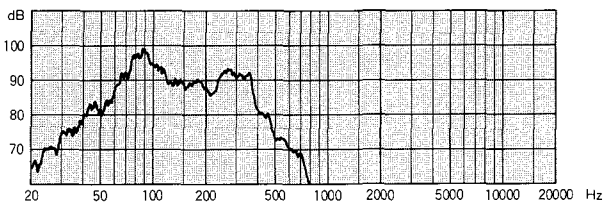


INTERNAL CROSSOVER INPUT

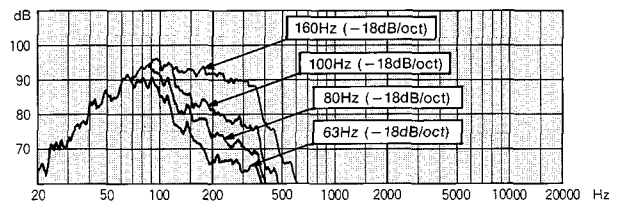


DIRECT INPUT (Using an external low-pass filter)

SLB

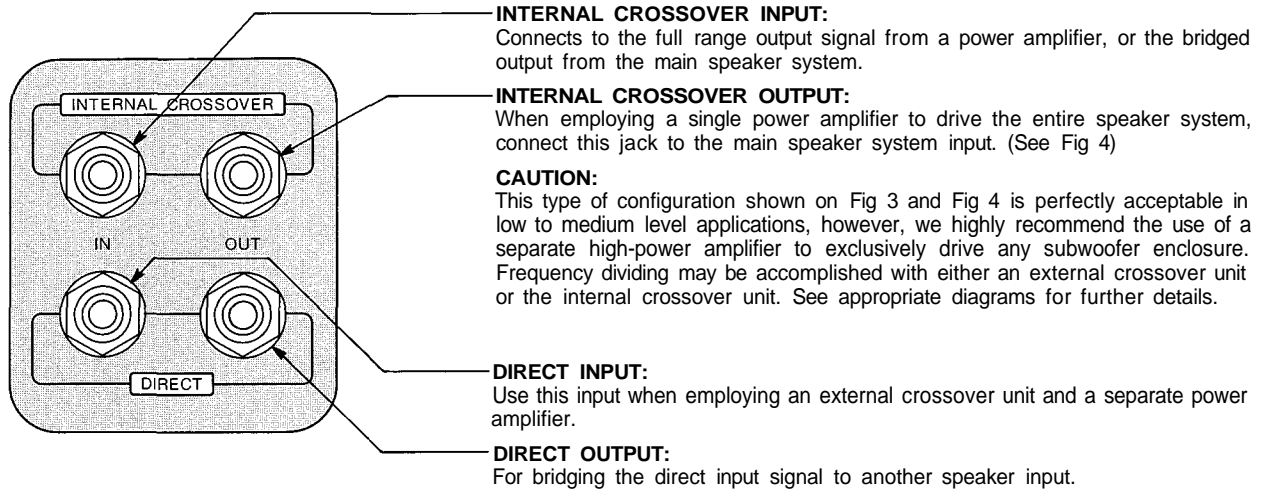


INTERNAL CROSSOVER INPUT



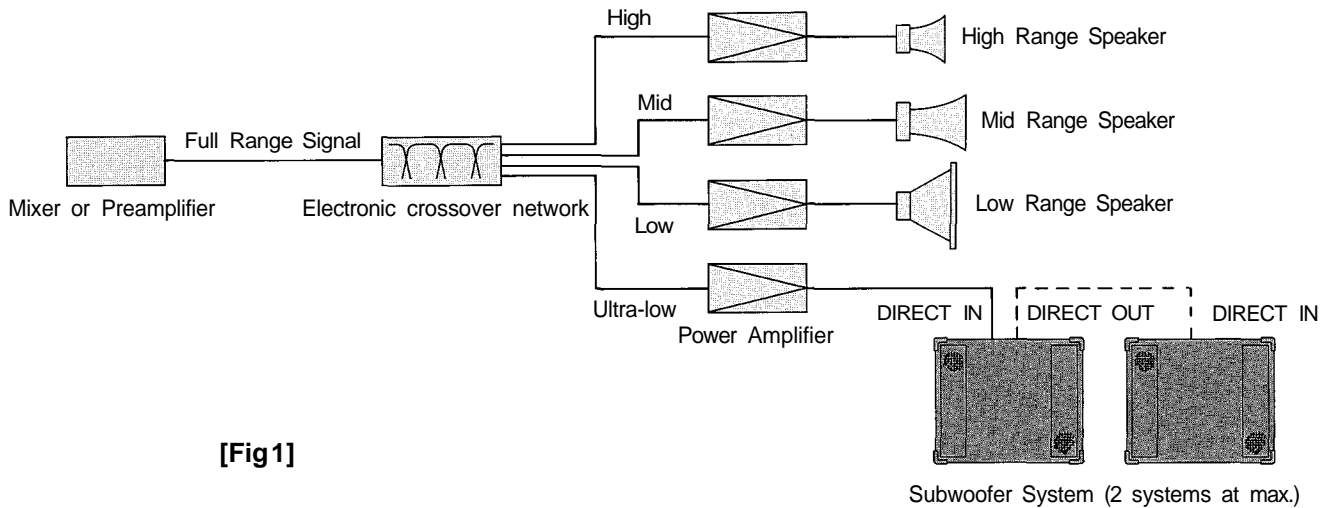
DIRECT INPUT (Using an external low-pass filter)

Input Panel



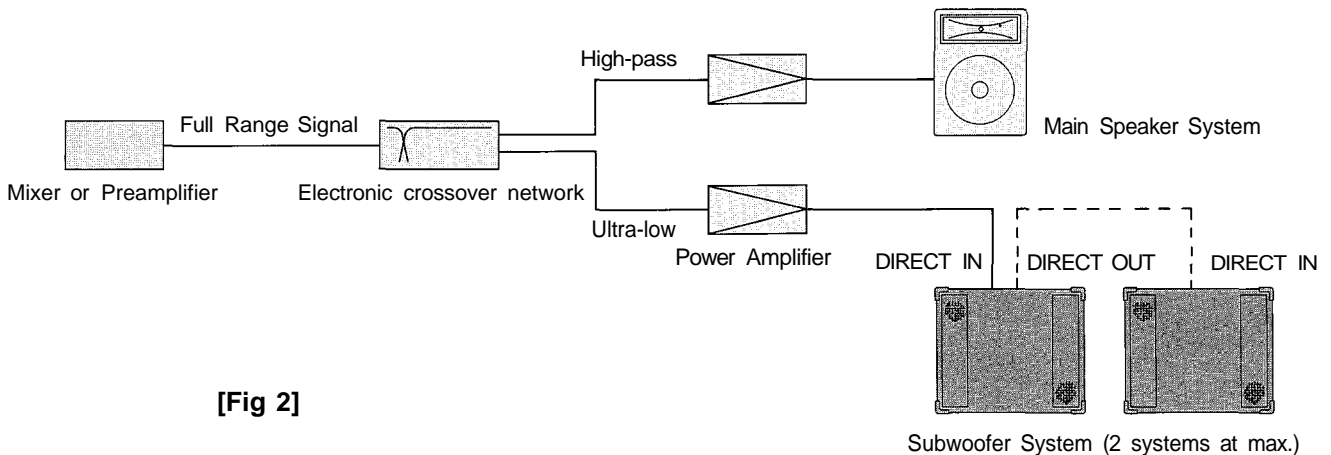
Connection Diagrams

1. Four-way system using electronic crossover network and 4 power amplifiers.



[Fig 1]

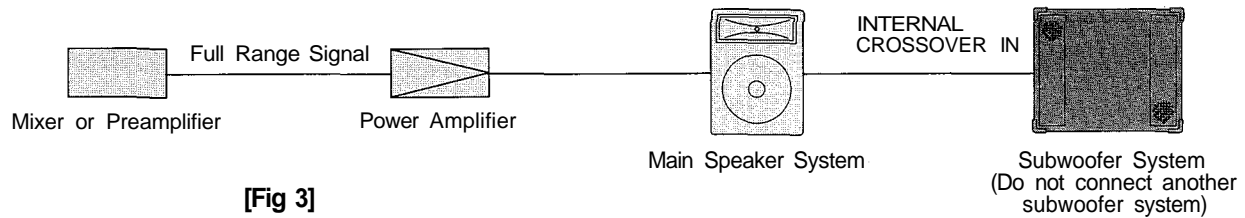
2. System using electronic crossover network and 2 power amplifiers.



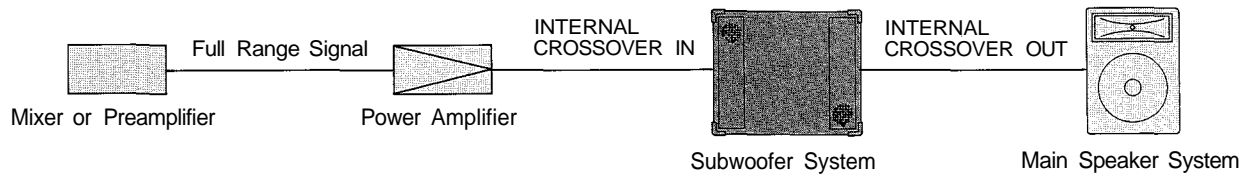
[Fig 2]

Connection Diagrams

3. System using 1 power amplifier and internal crossover network.

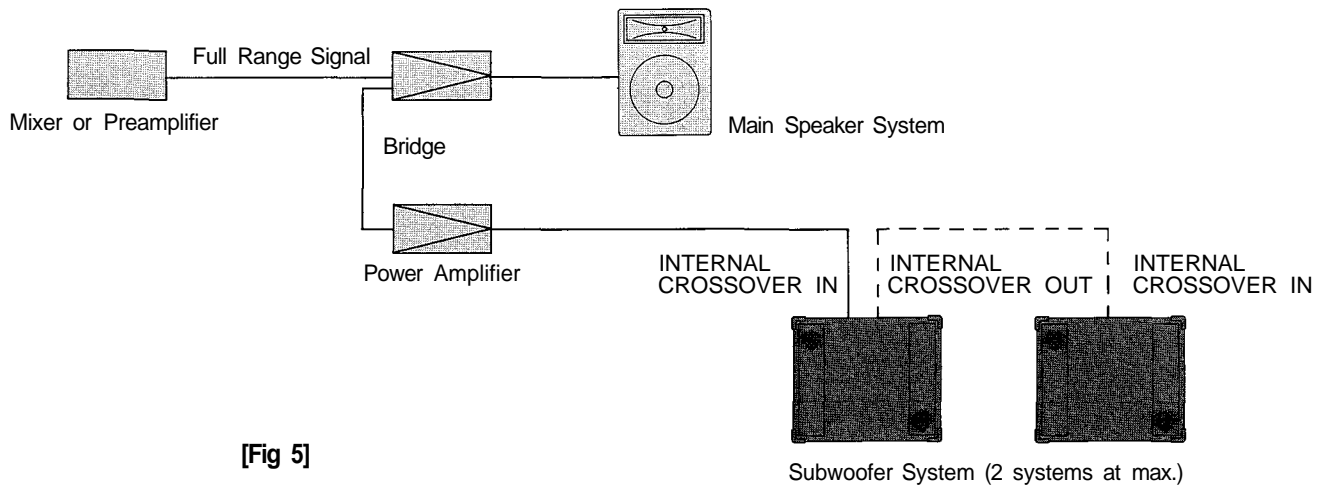


[Fig 3]



[Fig 4]

4. System using 2 power amplifiers and internal crossover network.



[Fig 5]