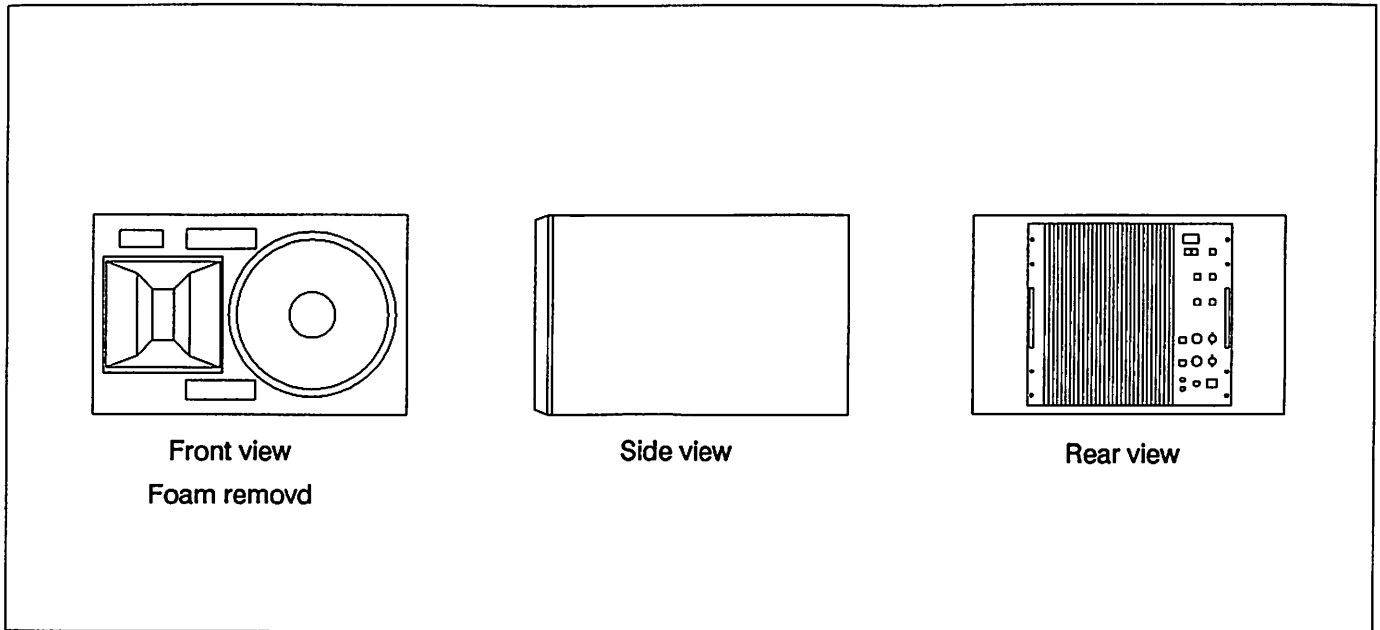


SA 4525 Blue Box

Modular sound system

Technical Specifications



“The spectacular new concept for PA systems!”

SA 4525 Blue Box

Although professional audio has a reputation of being a high-tech industry, surprisingly this does not apply for most of today's PA systems. Many of them still use basic designs from the early twenties, which results in limited sound quality. Furthermore, these sound systems are controlled manually and involve a lot of moving around to adjust controls, check amp limits etc. This considerably restricts the creative performance of the sound engineer. To achieve a real break-through in these matters, Stage Accompany introduced a spectacular new concept: the Blue Box for superior sound quality and the SAnet for advanced remote control of audio equipment.

The perfect match

Designed around our revolutionary Compact Driver and superior low-frequency loudspeaker, the Blue Box offers the perfect match between superb acoustic performance and advanced high-tech electronics. Based on prime design philosophies such as exceptional sound quality, ultimate flexibility and ease of operation, we have created a very compact full-range cabinet that's ideally suited for a multitude of applications. In disco's, the Blue Box offers excellent sound quality and projection. On stage, Blue Boxes form the ideal monitor system. In small and medium sized venues, matched stacks

of 4-8 Blue Boxes make a very powerful HiFi PA. And in large venues, Blue Boxes are real dynamite in massive flying sound systems.

High-tech electronics improve performance

Its built-in active 2-way system, the PMS-5000, consists of a Bessel crossover, two power amplifiers and a microprocessor to operate all control functions. It also features many unique innovations like DDC (Dynamic Damping Control), AEC (Auto Energy Control) and DC servo control.

PC for user friendly remote control

Top of the bill is the sophisticated PC Remote Control facility, which offers users ultimate control of large quantities of Blue Boxes. All necessary information and total control from one source at any location! However, it should be emphasized that Blue Boxes can be controlled manually.

Dedicated software for easy operation

The powerful software incorporated in this unique facility allows for individual control or grouping. Presets of settings for many different groups can be stored and instantly recalled for routine comparison or to create special configurations such as "Bessel" speaker link-up.

- High acoustic output
- Unequaled transient response
- Superb frequency response
- Microprocessor control & protection
- Full remote control
- Active 2-way system



stage accompany

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Extensive sound effects can also be easily created. Functions that can be controlled and stored individually or group-wise via a PC include; low-frequency level, high-frequency level, overall level, power on/off, stand by, phase reverse on/off, balanced or unbalanced inputs, system ground lift and SAnet ground. The PC screen can display the status for both individual units or groups, including; signal present, input overload as well as the status of all control functions mentioned above; for both low- and high-frequency amplifiers can be displayed: average power, peak power, DC on output, clipping, protection activated, overheating and output device temperature.

Custom network communication

Data communication between the PC and Blue Box systems is realised through a specially designed network, the SAnet. This universal network uses ultra-high speed (375kBps) serial data transmission and can be used at distances up to 500 metres. It is totally unsusceptible to unwanted external interferences and is much faster than MIDI. Every IBM[®] and IBM compatible computer can easily be prepared for use with the SAnet by simply inserting a single PC

Technical Specifications

board. And, of course we supply our own SA PC, a sturdy road-proof AT-Type computer installed in a custom designed flightcase.

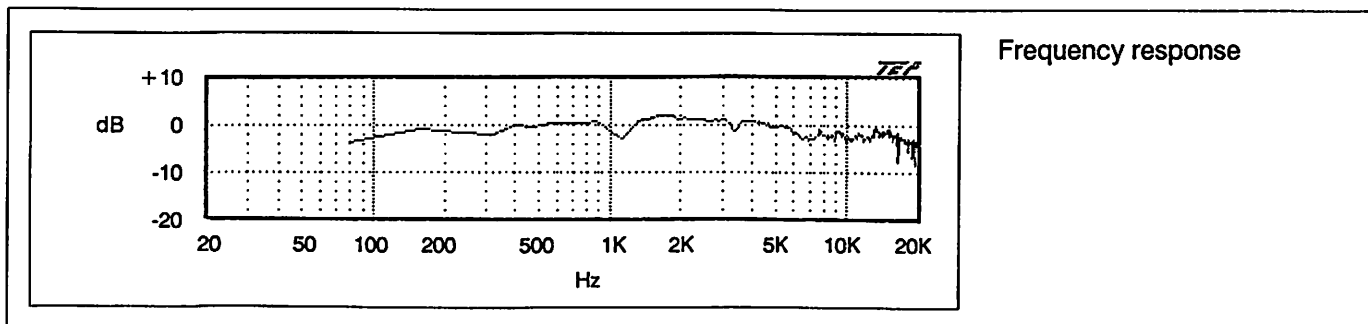
Unlimited possibilities

This powerful concept creates almost unlimited possibilities and offers total control and recall for large sound systems. Up to 250 different units can be controlled by one PC. Major disadvantages in conventional flying sound systems like loss of output-power and loudspeaker damping due to long speaker cables are relegated to the stone-age. And, cable connections are radically simplified, reducing set-up times even further. The ingeniously constructed, optional available flight-case offers optimal protection and has a removable cover with castors for convenient transportation. The built-in snap-locks surpass effortlessly all required safety standards and facilitate easy hoisting. Preset snap-lock positions allow for suspension at specific angles.

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Acoustical			
Frequency response	30 Hz - 32	kHz	
Max. output level (SPL@1m)	120	dB cont.	
	130	dB peak	
Noise output	< 5	dBa PWL	
Horizontal dispersion	60°	degr.	
Electrical			
Input	1.4 V in 20 KOhm		
Max. input level	20	dBV	
(ref. 0 dB = 0.775 V)			
Crossover frequency	1	kHz (24 dB/oct. Bessel)	
Max. output power	Low freq.:	250	W RMS
		380	W peak
	High freq.:	350	W RMS
		590	W peak

THD (any output level)	< 0.01%	(20-20KHz)
IMD	< 0.01%	
Slew rate	60	V/us
Damping (with DDC)	> 10000:1	1 KHz/8 ohm
Power consumption	stand by:	75 W
	Max.:	660 W
Physical		
Dimensions (hxwx d)	470x730x730	mm
Dimensions flightcase (hxwx d)	510x780x920	mm
Weight	84	kg
Total weight (box + case)	110	kg
Contents:	1 X SA 1503 loudspeaker	
	1 x SA 8525 Compact Driver	
	1 x SA 2527 horn	
	1 x SA PMS-5000 module	



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