

# Blue Box

Active Reinforcement System

BB 25 & BB 25S

## “The spectacular new concept for sound reinforcement”

Although professional audio has a reputation for 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, resulting in limited sound quality and a lot of manual control. This restricts the creative performance of the sound engineer considerably.



*The Blue box is the world's first and only controllable active reinforcement system with unsurpassed sound quality. Shown here: the BB 25S with the optional dolly.*

To achieve a breakthrough in these matters, Stage Company introduced a new concept: the Blue Box for superior sound quality and the SAnet for advanced remote control.

### The perfect match

Designed around our revolutionary Compact Driver and superior lowfrequency 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 is 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. And in small and medium sized venues, stacks of 4-8 Blue Boxes make a very powerful HiFi PA.

### Featuring

- Unequalled transient response;
- Superb frequency response;
- Built-in active two-way system;
- Microprocessor control and protection;
- Several options available;



### High-tech electronics improve performance

Its built-in PMS-5000 module consists of a crossover, two power amplifiers and a micro-processor to operate all control functions. It also features many unique innovations like DDC (Dynamic Damping Control) and AEC (Auto Energy Control).

### 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.

### Easy operation

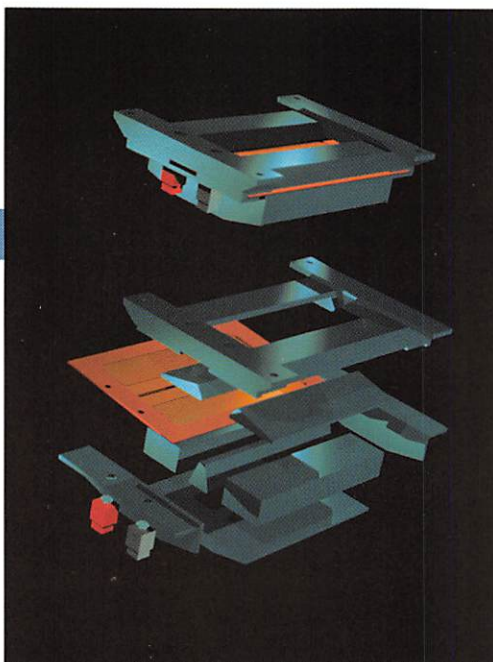
The software incorporated in this unique facility allows for individual control or grouping. Presets of settings can be stored and instantly recalled for routine comparison or to create special configurations such as "Bessel" speaker link-up.

Extensive sound effects can also be easily created. Functions that can be controlled and stored individually or group-wise via a PC include; lowfrequency level, highfrequency level, overall level, power on/off, stand by, phase reverse on/off, balanced or unbalanced inputs, sys-



The BB 25 is equipped with the Compact Driver.

Shown here: the new SA 8535 Neodymium Compact Driver; available in the last quarter of '92.



Control panel at the rear of the BB 25S.



tem 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 SAnet. This universal network uses high speed (375 kbps) serial data transmission and can be used at distances up to 500 metres. It is totally unsusceptible to undesired external interferences.

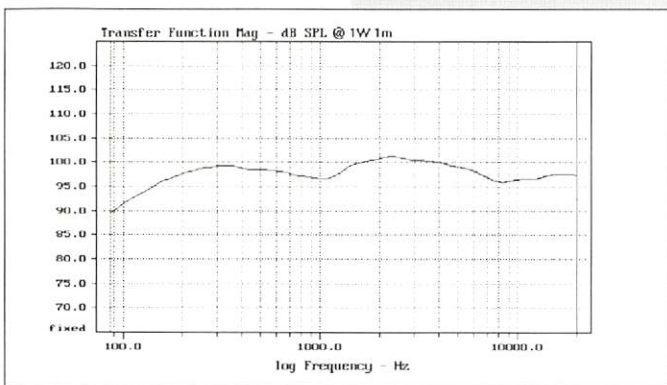
Every PC can easily be prepared by inserting the SAnet card. And, of course we supply our own SA PC, a sturdy roadproof AT-Type computer installed in a custom designed flightcase.

### 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 setup times even further.

### Options

Several options are available: separate flight case; dolly with castors; flyer system (small and large); stand adaptor; front cover and finish on request.



The frequency response of the BB 25.

The presented curve is accurate for mid- and high frequencies. Low frequency resolution is limited due to the selected time window (5 ms).

**stage accompany**

**Stage Accompany B.V.**  
 Anodeweg 4  
 1627 LJ Hoor  
 The Netherlands  
 Phone: +31 (0)2290 - 12542  
 Fax: +31 (0)2290 - 11192

## Technical specifications BB 25 & BB 25S

### Acoustical

Frequency response: 30 Hz - 32 kHz  
 Max. output level (SPL@1m): 120 dB continuous; 130 dB peak  
 Noise output: < 5 dBA PWL  
 H x V dispersion: 70° x 40° Note: the Compact Driver may be mounted horizontal and vertical

### Electrical

Input: 1.4 V in 20 kOhms  
 Max. input level: 20 dBV (ref. 0 dB = 0.775 V)  
 Crossover frequency: 1 kHz (24 dB/oct. Bessel)  
 Power (RMS/Peak): Low: 250/380W; High: 350/590W  
 THD (any output level): < 0.01% (20-20 kHz)  
 IMD: < 0.01%  
 Slew rate: > 60 V/us  
 Damping (with DDC): > 10,000, 1 kHz / 8 Ohms  
 Power consumption: Stand by: 75 W; Max.: 660 W

### Physical

Physical dimensions BB 25: 498 x 758 x 612 mm (hxwxd)  
 BB 25S: 503 x 763 x 629 mm (hxwxd)  
 Weight: BB 25: 70 kg; BB 25S: 87 kg  
 (65 and 82 kg with SA 8535 Neodymium Compact Driver; available last quarter '92)  
 Contents: One SA 1513 LF Driver  
 One SA 8525 Compact Driver  
 One PMS-5000 module  
 Options: Stand adaptor, dolly, flight case, front cover, flyer system, special finish.

Stage Accompany reserves the right to alter specifications without prior notice.