



## FreeSpace® 6 Business Music System

### General Description

The Bose® FreeSpace® 6 business music system combines from 4 to 16 Bose full-range loudspeakers with advanced electronics to create a system that offers high-fidelity, stereo sound for commercial environments. The system offers two versions of loudspeaker: a flush-mount and a surface-mount. The system has the following features:

- High-fidelity sound over a large area due to the wide beamwidth of the loudspeakers
- Active equalization, music compression, and system overload protection
- Unobtrusive yet stylish components, reliability, and easy installation
- Opti-voice® circuitry for high quality paging capability
- Remote control of volume and source selection

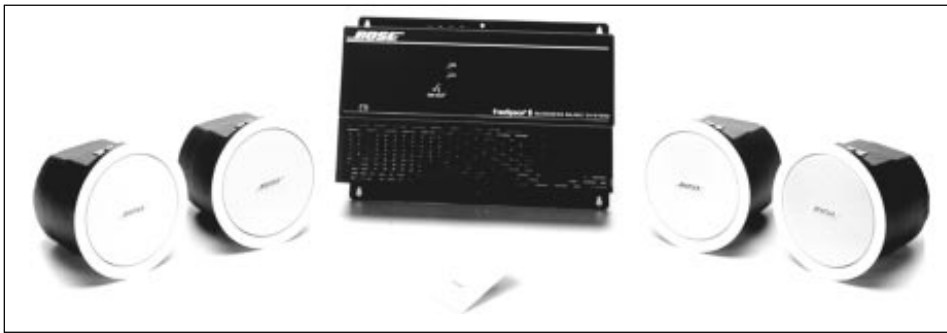
### System Expansion

The basic FreeSpace 6 business music system is supplied with four flush-mount or surface-mount loudspeakers. If additional loudspeakers are required for coverage in larger spaces, the FreeSpace 6 Expansion Module (Prod. Code 010235) is required. The Expansion Module can power one to 12 additional loudspeakers. System expansion requires connecting the loudspeaker cable from each loudspeaker to the Expansion Module and plugging the Expansion Module into Block 13 of the FreeSpace 6 system electronics.

Loudspeakers per Channel	Max. Acoustic Output @ 1m	Max. Ceiling Height
1	91dB	16 feet
2	91dB	
3	89dB	
4	90dB	14 feet
5	83dB/86dB	
6	89dB	
7	82dB/85dB	
8	88dB	12 feet



FreeSpace®  
BUSINESS



### Technical Specifications

#### System Specifications:

Input Sensitivity  
200mV (Music Input)  
200µV (Page Input)

Music Input Impedance, Channel A  
Balanced: 32kΩ  
Unbalanced: 11kΩ

Music Input Impedance, Channel B  
Unbalanced: 10kΩ

Page Input Impedance  
Balanced: 9kΩ  
Unbalanced: 1kΩ

Page & Line Output Impedance  
400Ω

Page Gain  
0dB – 80dB adjustable

Frequency Range  
80Hz – 16kHz

Noise at speaker output (with gain controls at maximum setting)  
noise -50dBV or 3mV max  
(equivalent to 30dB-SPL at 1 meter)

Power Consumption  
140W (max)

Opti-voice® Paging Circuitry  
Voice band equalization for maximum speech intelligibility

AGC circuit for automatic compensation of varying input levels

Gradual return of music to original level after page

#### Loudspeaker Specifications:

Transducer  
2.5" full-range driver

Frequency Range  
80Hz – 16kHz (±3dB)

Beamwidth (average over 1 – 4kHz)  
Flush-mount loudspeaker: 150° @ -6dB  
Surface-mount loudspeaker: 150° @ -6dB

Regulatory Compliance  
Complies with UL-813, CSA-C22.2, IEC 65, Dentori

Dimensions:

Flush-mount Loudspeakers:  
Flange Diameter: 6.25" (15.9 cm)  
Hole Diameter: 5.75" (14.6 cm)  
Depth: 6.5" (16.5 cm)  
Weight: 2.1 lb (.97 kg) loudspeaker only,  
4.2 lb (1.9 kg) including mounting hardware

Surface-mount Loudspeakers:  
3.3" (H) x 7.6" (W) x 6.4" (D)  
(8.3 cm (H) x 19.3 cm (W) x 16.33 cm (D))  
Weight:  
2.5 lb (1.2 kg) including mouting hardware

System Electronics  
4" (H) x 7.5" (W) x 15" (D)  
(10.16 cm (H) x 19.05 cm (W) x 38.1 cm (D))  
Weight: 11.3 lb (5.14 kg)

Power Requirements  
120V or 220-240V ~ 50/60Hz

