



## The SmartVolume Speaker System

### Technical Information



A compact, full fidelity speaker system that monitors ambient noise levels and self-adjusts its volume output accordingly. No user calibrations are necessary.

Focuses sound to the intended area.

Designed to sit flush with a plasma, lcd, or other monitor. Can also be custom integrated into a kiosk.

Includes a computer programmable microprocessor to control microphone sensing and amplifier.

Six speaker dual array system with woofer.

Sends and receives information remotely such as:

- Change response time*
- Program minimum/maximum volume levels*
- Disable power switch*
- Change differential volume levels*
- Change amount of focus/bass*
- Monitor busiest/slowest times of day*

### **Automatic Volume Adjustment**

A microprocessor uses an integrated microphone to detect the ambient noise level and compensate its own output. A volume control knob on the rear of the unit adjusts the differential between the ambient noise level and the speaker level. An LED meter displays the relative differential level. Automatically maintains a user selectable fixed level over the ambient range.

40 dB Range of automatic adjustment

55 dB Activation threshold

95 dB Maximum output at one meter

### **Response Time**

Software adjustable (3db/second maximum)



### Frequency Response

75Hz - 20 KHz, +/- 3dB

### Compressor

Tames the amplitude dynamics of the audio signal to a more concise range.  
Compression ratio 2:1

### Nominal Output Power and Impedance

Computer programmable built in amplifier.

10 watts continuous per channel

25 watts peak per channel

### Input Impedance

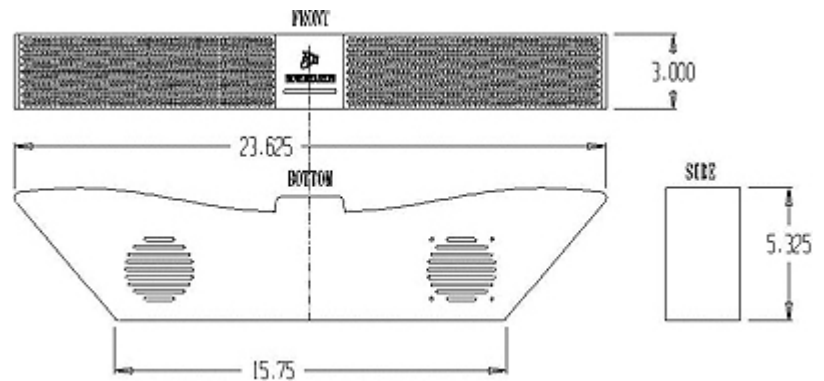
8000 Ohms

Connections

Audio Input: left and right RCA low level input

Computer Link: USB

### Physical Dimensions



3"H x 23.625"W x 5.325"D (76mm x 600mm x 135mm)

**Finish** Metallic

**Weight** 6.1 lb. (2.77kg) (without wall pack power supply)

Shipping Weight: 9 lbs. (4.09kg)

**Power Supply** 16 Vac 1Amp standard, (higher output available)

120 Vac external wall pack supplied

100 Vac and 220 Vac available on request