

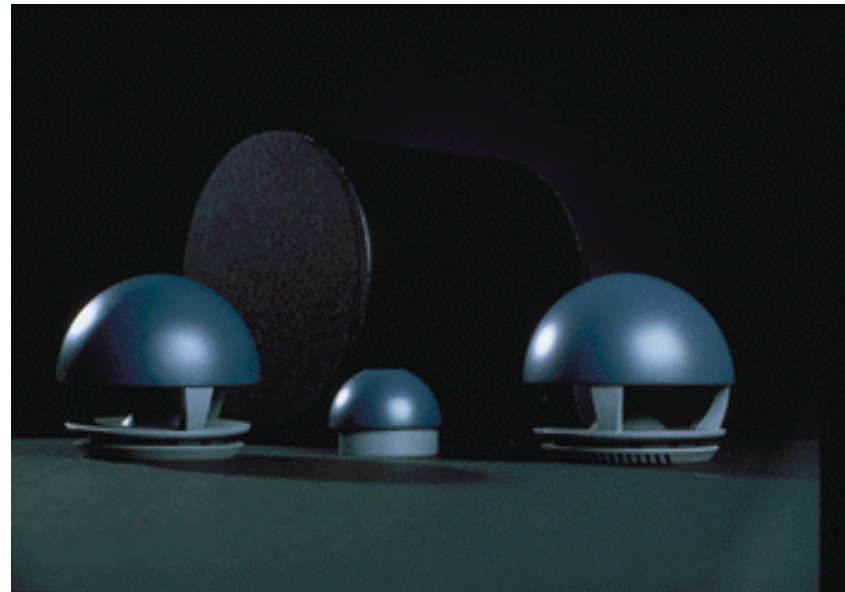
PRESENTATION AUDIO SYSTEM

USER GUIDE

IMPORTANT INFORMATION:

Please direct all questions on this product to your retailer.

Set-up instructions are included in this manual. Be sure to read the manual in its entirety before calling



Touchboards

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866-94-BOARDS(26273) / (732)-222-1511

Fax: (732)-222-7088 | E-mail: sales@touchboards.com

CAUTION: TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

SAFETY INSTRUCTIONS

Read Instructions - All the safety and operating instructions should be read before the appliance is operated.

Retain Instructions - The operating instructions should be retained for future reference.

Heed Warning - All warnings on the PAS and in the operating instructions should be adhered to.

Follow Instructions - All operating and use instructions should be followed.

Water and Moisture - The PAS should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

Outdoor Use - Warning: To reduce the risk of fire or electric shock, do not expose this PAS to rain or moisture. Not intended for outdoor use.

Location - The PAS should be used in a stable location.

Ventilation - The PAS should be situated so that its location or position does not interfere with its proper ventilation. For example, the PAS should not be situated on a bed, sofa, rug or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a closed bookcase or cabinet that may impede the flow of air through the ventilation openings.

Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

Power Sources - If used without the subwoofer. The PAS should only be connected to a company approved power supply.

Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the PAS.

Grounding or Polarization - The precautions should be taken so that the grounding or polarization means of the PAS is not defeated.

Cleaning - The PAS should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzene, or other volatile liquids since they may corrode the cabinet.

Non-Use Periods - The power cord of the PAS should be unplugged from the outlet when left unused for a long period of time.

Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Damage Requiring Service - The PAS should be serviced by qualified service personnel when:

- The power-supply cord or the plug has been damaged.
- Objects have fallen, or liquid has been spilled into the PAS.
- The PAS has been exposed to rain.
- The PAS does not appear to operate normally or exhibits a marked change in performance.
- The PAS has been dropped or the enclosure damaged.

Servicing - The user should not attempt to service the PAS. Servicing should be referred to qualified service personnel or returned to the dealer or call the service line for assistance.

Connecting the Power Cord

POWER ADAPTER

Long slot is neutral (ground) side. Insert the wide blade into the ground side slot of the wall receptacle.

Caution: To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

Short plug on end opposite blades fits receptacle in base of volume control knob. It fits only one of the two receptacles, do not use force.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, **DO NOT** EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



Introduction

Welcome to Group Listening Technology.

Designed like no other speaker system in the world, the proprietary (patent applied for) PAS audio system allows your audience to hear your presentation like never before. This new GROUP LISTENING TECHNOLOGY creates wall to wall quality sound space that sounds the same to everyone in the room. No more “Hot and Cold Spots” to lose your listeners’ attention. The PAS plugs into a line-out or headphone jack on any audio source like notebook computers, LCD projectors, wireless microphones, or PC audio cards. The PAS vastly improves any business presentation, training, classroom education or advertising by adding music, voice, or sound effects. GROUP LISTENING TECHNOLOGY is a proprietary audio technique that does what no other sound system can - it allows every one to hear your presentation at the same level and quality as everyone else no matter where they are sitting in relation to the speakers. This audio system can also be used with any multimedia source, television receiver, CD player, boom box, home computer, video interactive game, satellite television receiver, or video CD to provide a total intelligent audio solution which is practical, affordable, and evenly distributed throughout the whole room or listening area.

Product Description

The PAS is a pre-wired, amplified speaker system featuring a subwoofer for extended low frequency response. The system is especially designed for light weight portability. The performance of the PAS is set to the higher standards of the professional presentation market and can be used to make “full voice” presentations to listeners placed around a conference room or otherwise dispersed throughout the listening area regardless of seating arrangements. The PAS easily overcomes room distortion and noise created by HVAC, LCD cooling fans, and audience background noise.

A single volume control knob adjusts system volume up/down. The subwoofer has a separate volume control for blending the subwoofer level with the satellites to the listener’s preference. The satellite speakers are magnetically shielded to prevent color distortion on video displays. The subwoofer is also magnetically shielded and can be placed in close proximity to a computer monitor or television.

When the PAS is not used with a computer or LCD projector, it can serve as an amplified speaker system for CD players, cassette players and various video/audio sources with excellent home theater results.

Use of Controls and Connections

Power On/Off. If power to the PAS is turned on/off by a main power switch, some “pop” or static sounds may be heard through the speakers. To avoid this disturbance it is recommended to turn the volume down on the PAS before using a main power switch.

Volume Up/Down. Volume is controlled by the use of a knob located on the top of the smallest satellite. See Figure 2.

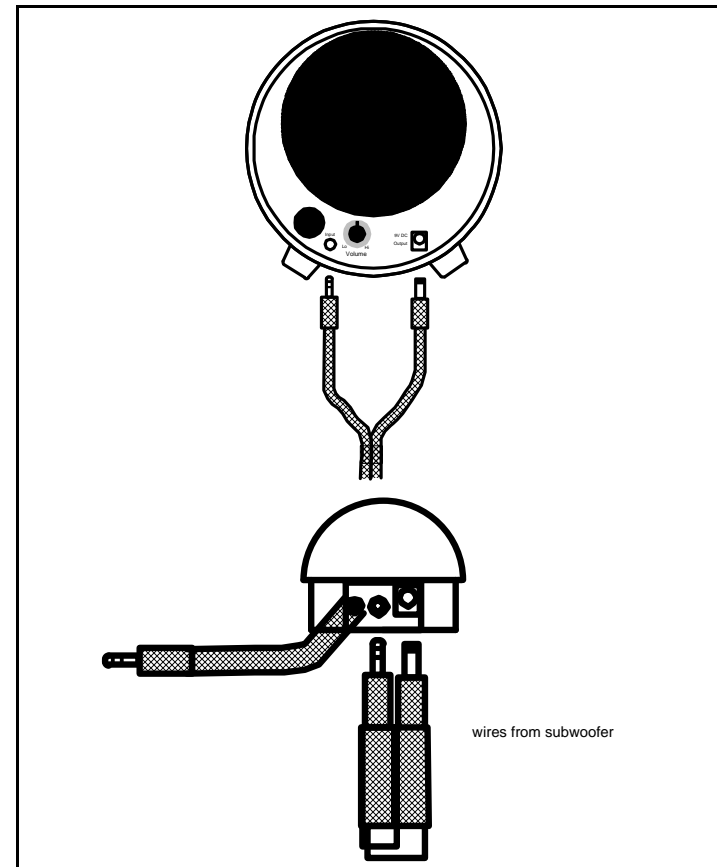
Subwoofer Volume Control (Bass Level). With the subwoofer in the desired location, the volume control is used to mix the level of the subwoofer with the satellite speakers. Mixing is usually done by playing a wide variety of music and speech and adjusting the control until a natural sound is obtained.

Do not put the AC power plug into the wall outlet before the volume is adjusted down.

See Fig. 2

Volume Control and Subwoofer Connections

Note: When using the subwoofer, the wall pack power adapter is not required.



Placement of Speakers

The “mobile power presenter” makes presentations in many different conference room and seating arrangements while on the road. Typical speakers in these conference rooms suffer from so much distortion as to render them useless; and, without convenient amplified sound, the “presenter” must speak in a loud or unnatural voice so all can hear. The PAS makes all these situations easy to deal with in one lightweight portable package that weighs less than 8 lbs. including the subwoofer. Now the “presenter” can have total confidence that his or her natural voice will be heard by everyone without distortion. These desirable effects can be accomplished by merely placing the PAS on a flat table surface like a conference room table in the center of the audience and connecting it as instructed in this manual.

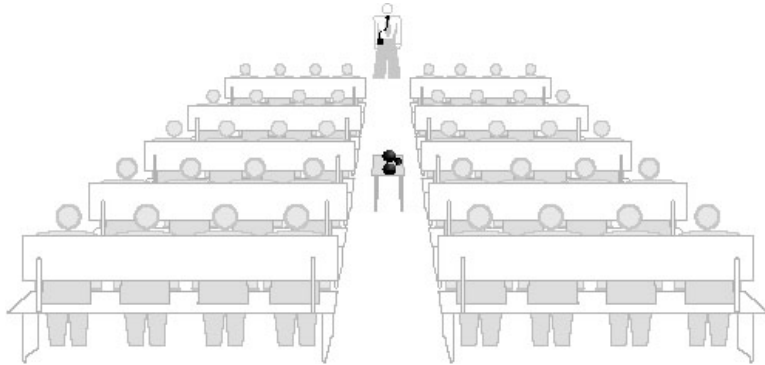
Sound effects and music will be heard as never before making the presentation delightful to hear. Well recorded music will sound like the live performance.

The satellite speakers are magnetically shielded and can be placed close to the computer monitor without distorting the video image. Best stereo and 3D effects are obtained by placing the speakers as far apart as

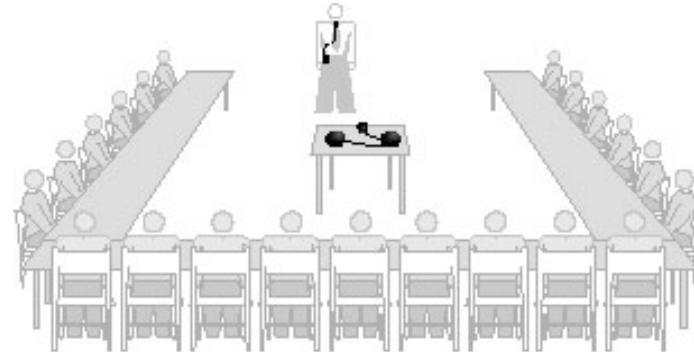
The subwoofer contains no stereo information and sound is non-directional. As a result, the subwoofer does not necessarily have to be placed in any particular relationship to the satellites. However, placing the subwoofer on the floor close to a wall or corner of a room provides maximum bass efficiency. The subwoofer is magnetically shielded and can also be placed near video displays.

PLEASE SEE THE SUGGESTED ROOM PLACEMENTS FOR A VARIETY OF SEATING POSITIONS ON THE NEXT TWO PAGES.

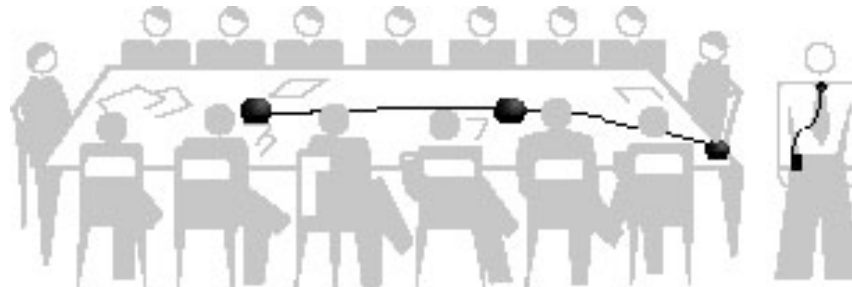
ROOM ARRANGEMENTS FOR PAS AND CVS SET-UP



Church Pew

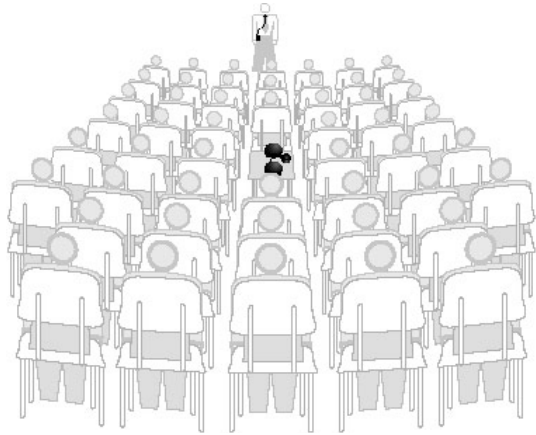


Horseshoe Room

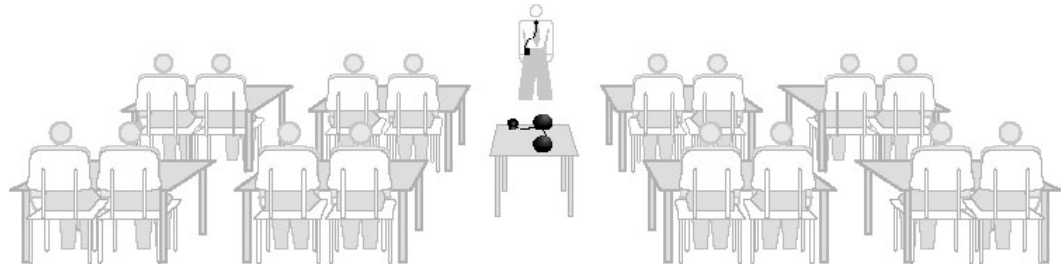


Conference Room

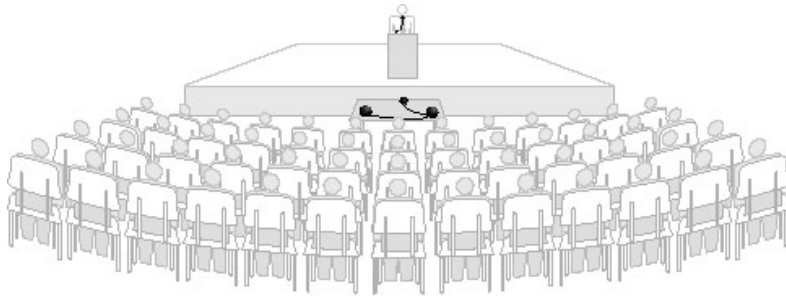
ROOM ARRANGEMENTS FOR PAS AND CVS SET-UP



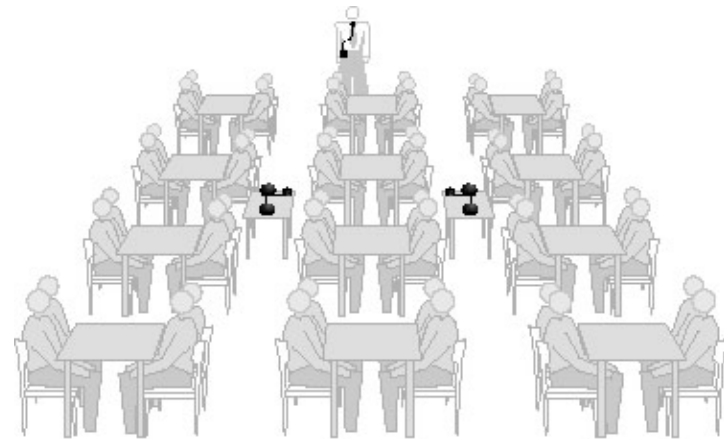
Theater Seating



School Room



Auditorium Seating



**Multiple PAS
Location**

Set Up Instructions

The PAS works best when connected to standard “line level” computer, LCD, and portable stereo equipment. Be careful when using a headphone jack from these devices as the input source. Most have very high distortion when the headphone volume control is set above 3/4 turn. If it is desired to use the headphone jack, the best method to adjust for highest quality sound is to turn the PAS volume control all the way up and then turn the headphone volume up just until distortion is heard. Then use the PAS volume control to adjust for best listening as required. Standard and portable CD players can be used for demonstration as long as the bass boost is turned off and the distortion is adjusted as just described. Some of these portable players, as well as notebook computers, have a lot of distortion that can be minimized by following these methods.

Be especially careful of notebook computer sound software. Set all software controls for volume, bass, and treble to their midpoints and use the PAS volume control knob to adjust for total system volume. Turn off all artificial sound effects like SRS, Spatializer, and DSP’s.

The desktop speakers are designed to have the best frequency response when placed on a large table or desk top. For best results, this table top should measure at least .75 meters by 2 meters. If two smaller tables are used each should be at least .5 by .5 meters.

The desk top speakers have a 360 degree sound radiation pattern. For best results, place them at least 1 meter away from any vertical wall or surface.

The subwoofer should be placed on the floor near an intersecting wall directly below and in-between the desktop speakers. Because each room sounds different, the bass volume control on the subwoofer may need to be adjusted to the listener’s preference. In small rooms, the bass control is usually set between 9 o’clock and noon.

Specifications and Power Requirements

Specifications

Drivers (satellites)	One 2 inch full-range per satellite
Drivers (subwoofer)	One 4 inch long throw woofer and one 5.25 inch passive radiator
System Freq. Response	47 Hz - 18 kHz @ -10dB 60 Hz - 17 kHz @ -3 dB
Satellite Power	7 Watts RMS per channel at < 10 %THD 5 Watts RMS per channel at < 1 %THD
Subwoofer Power	15 Watts RMS at < 10%THD 12 Watts RMS at < 1 %THD
Input Impedance	20K Ohms
Signal-to-Noise Ratio	> 93 dB
Fuse Type	0.25 AMP 250V “Slow Blow” (5x20mm size)

Crossover Frequencies:

Subwoofer	250 Hz Linkwitz-Riley
Satellites with subwoofer	200 Hz
Satellites without subwoofer	100 Hz

Power Requirements

USA/CANADA Model 120 Volts / 60 Hz AC

MAX Power Consumption 30 Watts

UL and cUL Approved

90 Day Limited Warranty

This product is warranted to the end user to be free from defective material and workmanship in the course of normal and reasonable use for a term of 90 days from the date of purchase.

This warranty is the exclusive and only warranty in effect relative to the Presentation Audio System™ (PAS™) and any other warranties, either expressed or implied, are invalid. Neither Mediaphile AV Technologies, Inc. nor any authorized Mediaphile AV Technologies, Inc. reseller is responsible for any incidental damages incurred in the use of the speakers. (This limitation of incidental or consequential damage is not applicable where prohibited.)

The only obligation under this warranty does not apply to any defect, malfunction or failure as a result of misuse, abuse, improper installation, use with faulty or improper equipment or the use of the computer speaker systems with any equipment for which they were not intended.

The terms of this warranty apply only to the PAS™ when the system is returned to the respective authorized retailer where it was purchased.

Under the terms of this warranty the original consumer purchaser has certain legal rights and may have other rights which vary worldwide.