



**DMS™**  
DIGITAL MUSIC SERIES

**Digital Music  
Power Amplifiers**

MODULE PORT - VOX - MOH - MIC - PHONE INTERFACE - EQ LINK - 3 ZONE - VOX RELAY

## General Information

**DMS 4121B - 120 Watt**  
**DMS 4161B - 160 Watt**  
**DMS 4241B - 240 Watt**  
**DMS 4361B - 360 Watt**



**Power Amplifiers**

- ❑ High Performance
  - High Reliability Design
- ❑ Wide Frequency Response
  - Very Low Distortion
- ❑ 4 Channel Inputs
  - 3 Zone Outputs
- ❑ Balanced Microphone Input
- ❑ Phantom Power on MIC Input
  - with Selector
- ❑ 600 ohm Transformer Balanced
  - Telephone Paging Input
- ❑ Telephone Input Level Control
- ❑ Auxiliary Input
  - With Stereo Summing
- ❑ Auxiliary Input Attenuator
- ❑ Independent Input Controls
- ❑ Addressable VOX Buss
  - Voice Activated Muting
- ❑ VOX Variable Time Delay Function
- ❑ Addressable MUTE Buss
- ❑ Direct Muting or Unmuting
- ❑ Rear Panel Port
  - Accepts Standard Module
- ❑ Independent Module
  - Level Control
- ❑ External EQ Link
- ❑ 600 ohm and 8 ohm 1 Watt
  - Music on Hold Amplifier
- ❑ MOH Amplifier Source Selector
- ❑ Zone 2-3, 1 Watt - 8 ohm Output
  - with Separate Control
- ❑ MIX Buss and 600 ohm Line Output
- ❑ NO/NC VOX Operated Relay
- ❑ AUX1 and Master Remote Volume
  - Controls
- ❑ 24 V DC 250 mA Regulated
  - Power Supply Output
- ❑ 8 ohm, 25 Volt & 70 Volt Output
- ❑ Pre-EQ Subwoofer Output
- ❑ Post-EQ Subwoofer Output
- ❑ 19" Rack Mounting Ready
- ❑ Low profile - 2-Units
  - of Vertical Rack space
- ❑ UL 6500 Listed (US - CANADA)

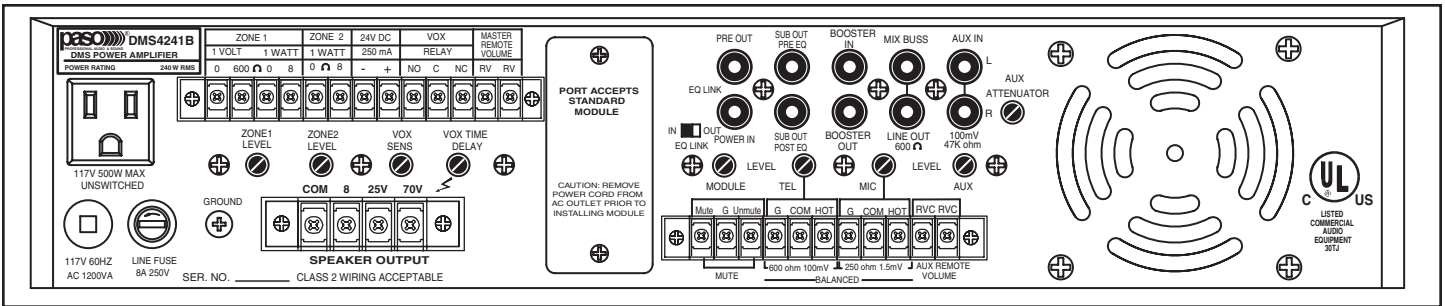
*Innovation through technology since 1931*

**Specifications - Models DMS4121B - DMS4161B - DMS4241B - DMS4361B**

<p><b>Power Output:</b></p> <p style="padding-left: 100px;"><b>DMS4121B</b> <b>DMS4161B</b> <b>DMS4241B</b> <b>DMS4361B</b></p> <p><b>Distortion:</b></p> <p><b>Frequency Response:</b></p> <hr/> <p><b>Inputs:</b></p> <p style="padding-left: 20px;">Input 1 Input 2 Input 3 Input 4</p> <p><b>Sensitivity &amp; Z:</b></p> <p style="padding-left: 20px;">Input 1 Input 2 Input 3 Input 4</p> <p style="padding-left: 20px;"><b>AUX Input Attenuator:</b></p> <p><b>Phantom Power:</b></p> <p><b>Hum &amp; Noise:</b></p> <p><b>Telephone Paging Input:</b></p> <p><b>Accessory Port:</b></p> <p><b>EQ LINK:</b></p> <p><b>Line Outputs:</b></p> <p><b>Inputs/Outputs:</b></p> <p><b>Subwoofer Outputs:</b></p> <p><b>Subwoofer Output Level:</b></p> <p><b>Music on Hold Output:</b></p> <p><b>Zone 2 Output:</b></p> <p><b>Zone 3 Output:</b></p> <p><b>Main Output Impedance:</b></p> <hr/> <p><b>Controls:</b></p> <p style="padding-left: 20px;"><b>Rear Panel:</b></p> <p><b>Remote Volume Controls:</b></p> <p><b>MOH Source Selection:</b></p> <p><b>Zone 2 and 3 Source Selection:</b></p> <p><b>VOX:</b></p> <p><b>VOX BUSS:</b></p> <p><b>MUTE BUSS:</b></p> <p><b>MUTE DELAY:</b></p> <p><b>Unmuting:</b></p> <hr/> <p><b>Power Supply Output:</b></p> <p><b>Auto VOX Relay:</b></p> <p><b>Rack Mounting:</b></p> <p><b>Vertical Rack Profile:</b></p> <p><b>Internal Cooling Fan:</b></p> <p><b>Power Requirement:</b></p> <p><b>Power Consumption:</b></p> <p><b>AC Accessory Outlet:</b></p> <p><b>Terminations:</b></p> <p><b>Housing Finish:</b></p> <p><b>Output Power Indicator:</b></p> <p><b>Dimensions:</b></p> <p><b>Net Weight:</b></p>	<p>120 Watt RMS 160 Watt RMS 240 Watt RMS 360 Watt RMS</p> <p>Less than 0.03% THD 20 - 20,000 Hz ± 1 db</p> <hr/> <p>Microphone 1 Balanced Telephone Interface - Transformer Balanced AUX (<i>Stereo Summing</i>) Module Port</p> <p><i>Mic 1 = 1.5 Mv - 250 ohm</i> <i>Tel=100 Mv - 600 ohm - Transformer Balanced</i> <i>AUX = 100 Mv - 47K ohm</i> <i>Module= 1 V - 47K ohm</i> Variable (rear panel control)</p> <p>On MIC Input by internal jumper (18 V) <i>Mic -70 db, Aux -75 db</i></p> <p>600 ohm Transformer balanced Accepts Standard Module Preamp out, Power Amp in with EQ Link Switch Line Out 600 ohm - 1.5 V loaded MIX BUSS Pre-EQ and Post-EQ Outputs 1 Volt 600 ohm-1 Volt Transformer Balanced 1 Watt-8 ohm with Control 1 Watt-8 ohm with Control 8 ohm, 25 Volt and 70 Volt line</p> <hr/> <p>MIC Input Volume - PHONE Level - AUX Input Volume - Module Volume - AUX Input Attenuator - MOH/ZONE 1 Level Control - ZONE 2 Level Control - VOX 1/VOX 2 Sensitivity - VOX TIME Delay AUX Input Volume and Master Volume AUX - MODULE by internal jumper AUX - MODULE by internal jumper Voice Activated Muting Available on all 4 Inputs by internal jumpers Available on all 4 Inputs by internal jumpers Adjustable from 3 Sec to 30 Sec (rear panel control) MUTES/UNMUTES MIC Input only</p> <hr/> <p>24 V DC - 250 mA Regulated NO/NC Contacts - VOX activated - Contacts Rating = 30 VDC - 7 A 19" Rack Mounting Kit supplied - 2-U of Vertical Rack Space 3" Thermally Controlled 117 Volt, 50-60 Hz <b>DMS4121B = AC = 850 VA - DMS4161B = AC = 970 VA - DMS4241B = 1200 VA - DMS4361B = 1500VA Max.</b> 500 W Max. Unswitched Screw Terminals, RCA Jacks Black Multi-color LED (<i>front panel</i>) <b>DMS4121B - DMS4161B - DMS4241B = 19" W., 12" D., 4" H. with feet (482X305X102 mm) 3.5" H (89 mm). less feet</b> <b>DMS4361B = 19" W., 15" D., 4" H. with feet (482X381X102 mm) 3.5" H (89 mm). less feet</b> 22 Lbs (11 Kg) 25 Lbs (11.4 Kg) 26 (11.8 Kg) 33 Lbs (15 Kg)</p>
<p><b>DMS4121B</b> <b>DMS4161B</b> <b>DMS4241B</b> <b>DMS4361B</b></p>	



## DMS4121B - DMS4161B - DMS4241B - DMS4361B Rear View



**Input 1 - MIC - Microphone Input.** Impedance is 250 ohm balanced. A level control is available on the rear panel. Termination is a screw type terminal strip.

**Phantom Power - Phantom Power** is provided by internal jumper.

**Input 2 - AUX - Auxiliary Input.** Impedance is 47 K ohm. A level control is available on the rear panel.

**Stereo Summing - Two separate RCA Jacks** are provided for the AUX Input (Left and Right). A Stereo signal connected to either Input is buffered and internally summed to Mono.

**AUX Input Attenuator - The AUX Input sensitivity** may be changed by a rear panel Variable Attenuator. This feature allows to set the output level of Programs originating from different sources (CD, Satellite Receiver, etc.).

**Input 3 - PHONE - Phone Paging Input.** This input is provided to interface with a Phone System. Input Impedance is 600 ohm, Transformer Balanced. A level control is available on the rear panel. Termination is a screw type Terminal strip.

**Input 4 - MODULE - Port accepts standard plug-in module.** Module Level Control is provided on the rear panel. See list of modules available from PASO.

**MIX BUSS - This Input/Output** may be utilized to parallel two amplifiers or as an input for a Microphone Mixer or other source.

**Line Out - 600 ohm, 1.5 Volt Line Output.**

**Remote Volume Controls - The AUX Input Volume and the Master Volume** may be adjusted from a remote location. Remote Volume Inputs utilize a 50K Pot and are immune to Audio Interference (DC Operation).

**Addressable VOX System - The VOX System** can be individually selected to operate independently on all 4 Inputs by means of jumpers. Any Input may be set to activate the VOX.

**Addressable Muting System - The VOX System** can be individually selected to operate independently on all 4 Inputs by means of jumpers. Any Input may be set to activate the MUTE feature.

**MUTE Adjustable Delay - A rear panel control** adjusts the MUTE Time Delay (the length of time that the MUTE stays activated) from 3 Sec. to 30 Sec. Particularly useful to control the length of time when an Input mutes another (for example Input 2 over the Module).

**NO/NC VOX Relay - A VOX Relay** is activated each time the VOX or the Muting functions are turned-on. Three terminals provide Normally Open and Normally Closed Contacts.

**Music on Hold - Output Channel 1 - Channel 1** provides a 1 Volt, 600 ohm balanced output and a 1 Watt, 8 ohm output for Music/Message on Hold or Zone 1 Speaker Output. Internal Jumper selects the source from either AUX or Input Module. Level Control is provided.

**Output Channel 2 - Channel 2** provides a 1 Watt, 8 ohm output for Zone 2 Speaker Output. Internal Jumper selects the source from either AUX or Input Module. Level Control is provided.

**EQ LINK - EQ Link (Preamp Out) (Power Amp In)** jacks are provided for External Equalizer. Activated by the EQ Link Switch.

**Subwoofer Outputs - Two independent Subwoofer Outputs** are provided a Pre-Equalization Output and a Post-Equalization Output. Output Voltage is 1 Volt.

**24 VDC Supply Output - A 24 Volt DC, 250 mA regulated Power Supply** is provided for external accessories

**PRE-PAGING CHIME - Pre-Paging Chime** is possible by using an optional internal plug-in Chime Module model AC1DMS (does not use port). Chime is activated by the MUTE circuit.

## ACCESSORIES



**27/3501 - Standard 19" Rack Mounting Kit.** Complete with hardware. Black Finish. 2 Units of Rack vertical space.



**AC1/DMS - Internal Plug-in Dual tone Chime Card.** Mounts on main printed circuit board of Amplifier. Provides a Dual Tone Electronic Chime each time the Mute terminals are closed. May be activated by the microphone Muting switch. May be used with all DMS Series Amplifiers (except DMS4121).



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### AUTHORIZED DISTRIBUTOR

**PASO SOUND PRODUCTS, INC.**  
 4750F GOER DRIVE  
 CHARLESTON, SOUTH CAROLINA 29406-6511 USA  
 Phone: 843 308 9005 - Fax: 843 308 0904  
 EMAIL: info@pasosound.com - URL: www.pasosound.com  
 FORM ED 288 RV 2.5 Printed in USA

