



**DMS™**  
DIGITAL MUSIC SERIES

**Digital Music  
Integrated Amplifiers**

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

**DMS 3040 - 40 Watt**  
**DMS 3080 - 80 Watt**  
**DMS 3120 - 120 Watt**



**Integrated Amplifiers**

## General Information

- ❑ High Performance
  - High Reliability Design
- ❑ Wide Frequency Response
  - Very Low Distortion
- ❑ 7 Channel Inputs - 3 Zone Outputs
- ❑ 5 Balanced Microphone Inputs
- ❑ Phantom Power on all MIC Inputs
- ❑ MIC 4/AUX 1 and MIC 5/AUX 2 Inputs
  - With Stereo Summing
- ❑ AUX1 and AUX2 Inputs Attenuator
- ❑ 600 ohm Transformer Balanced
  - Telephone Paging Input
- ❑ MIX Buss and 600 ohm Line Output
- ❑ Independent Input Controls
- ❑ Rear Panel Port:
  - Accepts Standard Module
- ❑ Independent Module Level Control
- ❑ AUX1 and Master Remote Volume
  - Controls
- ❑ External EQ Link
  - of Vertical Rack space
- ❑ Tone by-pass and EQ Link switches
- ❑ Pre-EQ Subwoofer Output
- ❑ Post-EQ Subwoofer Output
- ❑ Addressable Dual VOX Buss
  - Voice Activated Muting
- ❑ VOX Variable Time Delay Function
- ❑ Addressable Dual MUTE Buss
- ❑ Direct Muting and Unmuting
- ❑ 600 ohm and 8 ohm 1 Watt
  - Music on Hold Amplifier
- ❑ MOH Amplifier Source Selector
- ❑ Zone 2 and 3, 1 Watt - 8 ohm Output
  - with Separate Control
- ❑ NO/NC VOX Operated Relay
- ❑ 24 V DC 250 mA Regulated
  - Power Supply Output
- ❑ 8 ohm, 25 Volt & 70 Volt Output
- ❑ Optional 19" Rack Mounting with Kit
- ❑ Low profile - 2-Units
- ❑ UL 6500 Listed (US - CANADA)

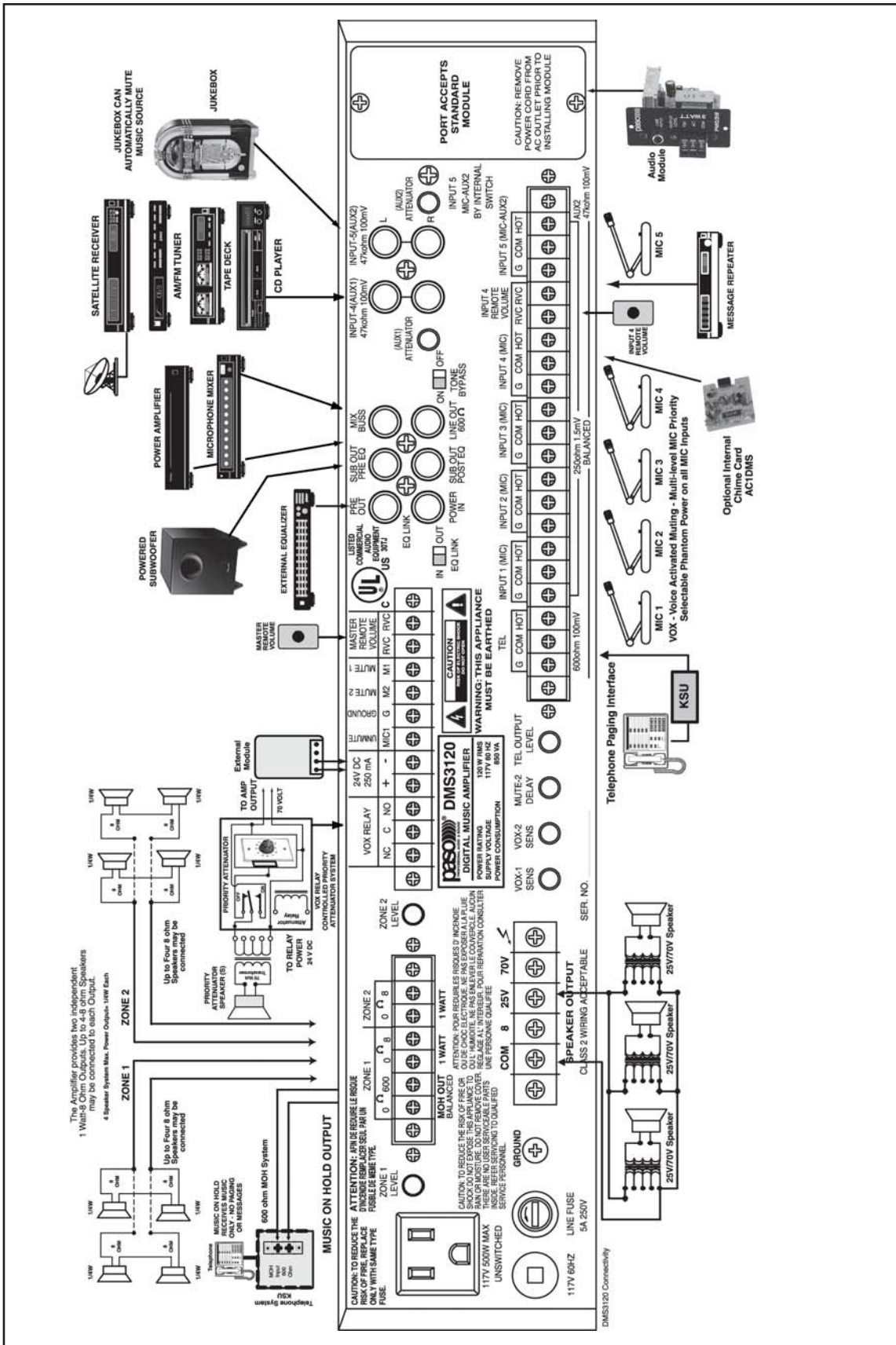
*Seventy years of innovation through technology . . . 1931 - 2001*

**Specifications - Models DMS3040 - DMS3080 - DMS3120**

<b>Power Output:</b>	<b>DMS3040</b> <b>DMS3080</b> <b>DMS3120</b>	40 Watt RMS 80 Watt RMS 120 Watt RMS
<b>Distortion:</b>		Less than 0.5% THD
<b>Frequency Response:</b>		20 - 20,000 Hz ± 1 db
<b>Inputs:</b>		Microphone 1 Balanced Microphone 2 Balanced Microphone 3 Balanced Microphone 4 Balanced - AUX 1 ( <i>Stereo Summing</i> ) Microphone 5 Balanced - AUX 2 ( <i>Stereo Summing</i> ) Telephone Interface - Transformer Balanced Module Port
<b>Input 1</b>		
<b>Input 2</b>		
<b>Input 3</b>		
<b>Input 4</b>		
<b>Input 5</b>		
<b>Input 6</b>		
<b>Input 7</b>		
<b>Sensitivity &amp; Z:</b>		<i>Mic 1</i> = 1.5 Mv - 250 ohm <i>Mic 2</i> = 1.5 Mv - 250 ohm <i>Mic 3</i> = 1.5 Mv - 250 ohm <i>Mic 4</i> = 1.5 Mv - 250 ohm - AUX 1 = 100 Mv - 47K ohm <i>Mic 5</i> = 1.5 Mv - 250 ohm - AUX 2 = 100 Mv - 47K ohm <i>Te</i> =100 Mv - 600 ohm - Transformer Balanced <i>Module</i> = 1 V - 47K ohm
<b>Input 1</b>		
<b>Input 2</b>		
<b>Input 3</b>		
<b>Input 4</b>		
<b>Input 5</b>		
<b>Input 6</b>		
<b>Input 7</b>		
<b>AUX 1 Input Attenuator:</b>		Variable (rear panel control)
<b>AUX 2 Input Attenuator:</b>		Variable (rear panel control)
<b>Phantom Power:</b>		All Microphone Inputs by internal jumper (18 V)
<b>Hum &amp; Noise:</b>		<i>Mic</i> -70 db, <i>Aux</i> -75 db
<b>Telephone Paging Input:</b>		600 ohm Transformer balanced
<b>Accessory Port:</b>		Accepts Standard Module
<b>EQ LINK:</b>		Preamp out, Power Amp in with EQ Link Switch
<b>Line Outputs:</b>		Line Out 600 ohm - 1.5 V loaded
<b>Inputs/Outputs:</b>		MIX BUSS
<b>Subwoofer Outputs:</b>		Pre-EQ and Post-EQ Outputs
<b>Subwoofer Output Level:</b>		1 Volt
<b>Music on Hold Output:</b>		600 ohm-1 Volt Transformer Balanced
<b>Zone 2 Output:</b>		1 Watt-8 ohm with Control
<b>Zone 3 Output:</b>		1 Watt-8 ohm with Control
<b>Main Output Impedance:</b>		8 ohm, 25 Volt and 70 Volt line
<b>Controls:</b>		Input 1 Volume, Input 2 Volume, Input 3 Volume, Input 4 Volume, Input 5 Volume, Module Volume, Bass and Treble
<b>Front Panel:</b>		PHONE Level - AUX 1 Attenuator - AUX 2 Attenuator - MOH/ZONE 1 Level Control - ZONE 2 Level Control - VOX 1/VOX 2 Sensitivity - MUTE 2 Delay ± 10 dB at 100 Hz and 10 KHz
<b>Rear Panel:</b>		On - Off Switch ( <i>rear panel</i> ) AUX 1 Input Volume and Master Volume AUX 1 - AUX 2 - MODULE by internal jumper AUX 1 - AUX 2 - MODULE by internal jumper Voice Activated Muting Available on all 7 Inputs by internal jumpers Available on all 7 Inputs by internal jumpers Available on all 7 Inputs by internal jumpers Available on all 7 Inputs by internal jumpers Adjustable from 3 Sec to 30 Sec (rear panel control) MUTES/UNMUTES MIC 1 only
<b>Bass and Treble Controls:</b>		
<b>Tone By-Pass:</b>		
<b>Remote Volume Controls:</b>		
<b>MOH Source Selection:</b>		
<b>Zone 2 and 3 Source Selection:</b>		
<b>DUAL VOX:</b>		
<b>VOX BUSS 1:</b>		
<b>VOX BUSS 2:</b>		
<b>MUTE BUSS 1:</b>		
<b>MUTE BUSS 2:</b>		
<b>MUTE 2 DELAY:</b>		
<b>Unmuting:</b>		
<b>Power Supply Output:</b>		24 V DC - 250 mA Regulated
<b>Auto VOX Relay:</b>		NO/NC Contacts - VOX activated - Contacts Rating = 30 VDC - 7 A
<b>Rack Mounting:</b>		Optional Model 27/3501 - 19" Rack Kit
<b>Internal Cooling Fan:</b>		3" Thermally Controlled - <i>Model DMS3120 only</i>
<b>Power Requirement:</b>		117 Volt, 50-60 Hz
<b>Power Consumption:</b>		<b>DMS3040</b> = AC = 630 VA - <b>DMS3080</b> = 750 VA - <b>DMS3120</b> = 850VA Max.
<b>AC Accessory Outlet:</b>		500 W Max. Unswitched
<b>Terminations:</b>		Screw Terminals, RCA Jacks
<b>Housing Finish:</b>		Black
<b>Output Power Indicator:</b>		Multi-color LED ( <i>front panel</i> )
<b>Dimensions:</b>		19" W., 12" D., 4" H. with feet ( <i>482X305X102 mm</i> ) 3.5" H ( <i>89 mm</i> ). less feet
<b>Net Weight:</b>	<b>DMS3040</b> <b>DMS3080</b> <b>DMS3120</b>	16 Lbs ( <i>8 Kg</i> ) 19 Lbs ( <i>8.5 Kg</i> ) 22 Lbs ( <i>11 Kg</i> )

**Digital Music Integrated Amplifiers**

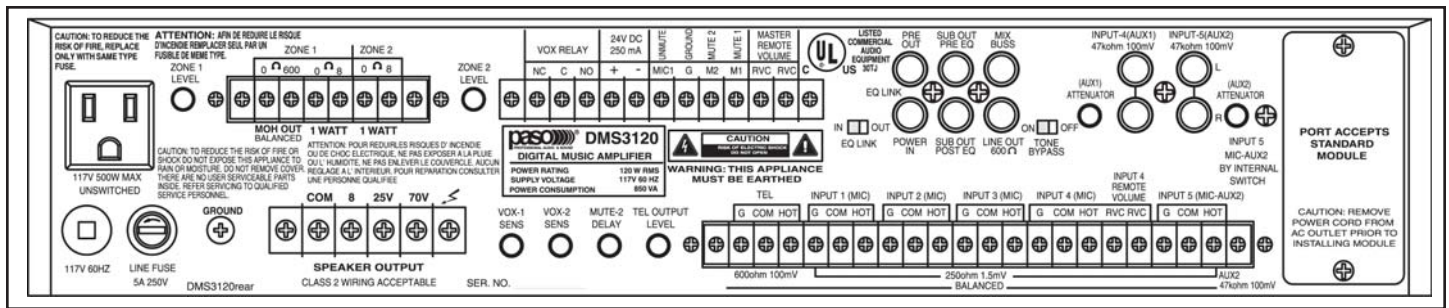
**DMS<sup>TM</sup> DIGITAL MUSIC SERIES**



**Connectivity - Applications**



## DMS3040 - DMS3080 - DMS3120 Rear View



**Inputs 1 - 5** - Inputs 1 - 5 are set as Microphone Inputs. Impedance is 250 ohm balanced. Input 4 can be switched to AUX 1, Input 5 can be switched to AUX 2 (internal jumper). Impedance is 47 K ohm.

**Phantom Power** - Phantom Power is provided on all 5 Inputs.

**Stereo Summing** - Two separate RCA Jacks are provided for Input 4 and 5 (Left and Right). A Stereo signal connected to either Input is buffered and internally summed to Mono.

**Input 4 & 5 Attenuators** - When the Inputs are set as AUX 1 and AUX 2 the input sensitivity may be varied by a rear panel Variable Attenuator. This feature allows to set the output level of Programs originating from different sources (CD, Satellite Receiver, etc.).

**Phone Paging** - A separate 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.

**Module Port** - Port accepts standard plug-in module. Module Level Control is provided on the front 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 audio source. When used as an Input the Amplifier Level and Equalization Controls have no effect.

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

**Remote Volume Controls** - The AUX 1 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 Dual VOX System** - The Dual VOX System can be individually selected to operate independently on all 7 Inputs by means of jumpers. Any Input may be set to activate either VOX 1

or VOX 2.

**Addressable Dual Muting System** - The Dual VOX System can be individually selected to operate independently with all 7 Inputs by means of jumpers. Any Input may be set to activate either MUTE 1 or MUTE 2.

**MUTE 2 Adjustable Delay** - A rear panel control adjusts the MUTE 2 Time Delay (the time the MUTE 2 stays activated) from 3 Sec. to 30 Sec. Particularly useful to control the length of time that an Input mutes another (for example AUX 1 over AUX 2).

**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 1, AUX 2 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 1, AUX 2 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.

**Tone By-Pass Switch** - The Tone by-pass switch defeats the setting of the Treble and Bass Controls. Should be used when an External Equalizer is utilized.

**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

## 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).



**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 285 RV 2.0 Printed in USA

## AUTHORIZED DISTRIBUTOR

