



DMS™
DIGITAL MUSIC SERIES

**Digital Music
Power
Amplifier**

MODULE PORT - VOX - MOH - MIC - PHONE INTERFACE - EQ LINK - 2 ZONE - POS™

General Information

- ❑ 3 Channel Inputs
2 Zone Outputs
- ❑ Wide Frequency Response
Very Low Distortion
- ❑ Rear Panel Port
Accepts Standard Module
- ❑ Independent Module
Level Control
- ❑ External EQ Link
- ❑ Balanced Microphone Input
- ❑ Phantom Power on MIC Input
with Selector
- ❑ Transformer Balanced
Telephone Paging Input
- ❑ Telephone Input Level Control
- ❑ Auxiliary Input
With Stereo Summing
- ❑ Auxiliary Input Attenuator
- ❑ Independent Input Controls
- ❑ VOX - Voice Activated Muting
- ❑ Direct Muting or Unmuting
- ❑ 600 ohm and 8 ohm 1 Watt
Music on Hold Amplifier
- ❑ MOH Amplifier Source Selector
- ❑ Zone 2, 1 Watt - 8 ohm Output
with Separate Control
- ❑ POS Parallel Operating System
- ❑ 8 ohm, 25 Volt & 70 Volt Output
- ❑ 19" Rack Mounting Ready
- ❑ UL 6500 Listed (US - CANADA)
Y2K Ready

Specifications

Power Output:	240 Watt RMS
Distortion:	Less than 0.5% THD
Frequency Response:	20 - 20,000 Hz ± 1 db
Inputs:	
Input 1	Microphone Balanced
Input 2	Telephone Transformer Balanced
Input 3	Auxiliary
Sensitivity & Z:	
Input 1	Mic=1 Mv - 250 ohm balanced
Input 2	Te=100 Mv - 600 ohm balanced
Input 3	Aux=250 Mv - 47K ohm
AUX Input Attenuator:	Variable (rear panel control)
Hum & Noise:	Mic -70 db, Aux -75 db
Telephone Input:	600 ohm Transformer balanced
Accessory Port:	Accepts Standard Module
EQ LINK:	Preamp out, Power Amp in
Inputs/Outputs:	Booster in, Booster Out
Music on Hold Output:	600 ohm-1 Volt Transf. balanced
Zone 2 Output:	1 Watt-8 ohm
Output Impedance:	8 ohm, 25 Volt and 70 Volt line
Controls:	
Rear Panel	MIC Level, PHONE Level, AUX Level, MODULE Level, AUX Attenuator, MOH & ZONE 2 Level Control
Phantom Power:	On MIC Input w/internal jumper
MOH Source:	AUX or Module w/internal jumper
VOX:	Voice Activated Muting MIC/PHONE mutes AUX/MODULE
Muting/Unmuting:	Mutes or Unmutes MIC/AUX/MODULE
Rack Mounting:	19" Rack Kit Supplied
Internal Cooling Fan:	2½" Thermally Controlled
Power Requirement:	117 Volt, 50-60 Hz
Power Consumption:	AC=1200 VA
AC Accessory Outlet:	500 W Max. Unswitched
Terminations:	Screw Terminals, RCA Jacks
Housing Finish:	Black
Dimensions:	19" W., 13" D., 5¼" H. (482X331X140 mm)
Net Weight:	38 Lbs (18 Kg)



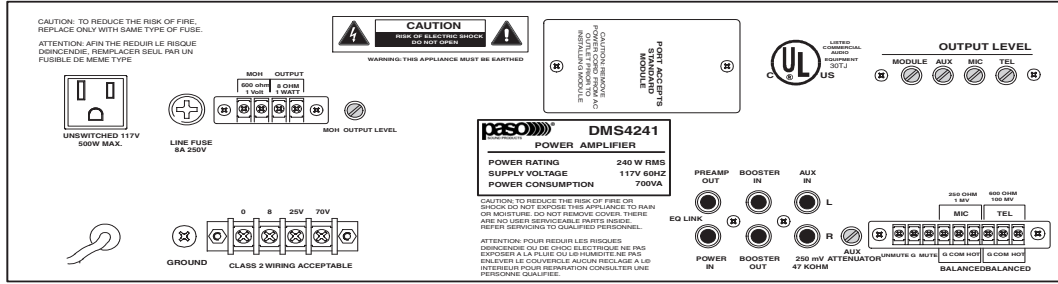
DMS 4241

DMS 4241

REV 1.0

Form ED 281

Innovation through technology since 1931



Rear Panel View

INPUT 1

Microphone Input

Low Impedance Microphone Input. Impedance is 250 ohm balanced and this input can be muted or unmuted (see Muting/Unmuting function).

INPUT 2

Telephone Paging Input

Input 2 provides Telephone Paging Interface. Input Impedance is 600 ohm Transformer balanced. A rear panel Output Level Control is provided..

INPUT 3

Auxiliary Input

Input 3 is the AUX Input. Impedance is 47K ohm unbalanced.

INPUT 3 ATTENUATOR

A rear panel Variable Attenuator is provided to set the Sensitivity Threshold of this input. By adjusting the Attenuator the sensitivity may be changed from 250 Mv to 5 Volt.

STEREO SUMMING - Two separate RCA Jacks are provided for Input 3 (Left and Right). A Stereo signal connected to either Input is buffered and internally summed to Mono.

CONTROLS

Rear Panel Controls - Microphone Level, Telephone Level, AUX Level, MODULE Level, AUX Attenuator and MOH/ZONE 2 Output Level.

VOX - Voice Activated Muting - The VOX Muting System is activated by the Microphone Input or the Telephone Input and mutes the AUX or the Module (internally selected).

DIRECT MUTING/UNMUTING - The Direct Muting can Mute/Unmute Input 1 (Microphone). Mute Input 3 (AUX) and the Module Output when activated by contact closure.

MUSIC ON HOLD OUTPUT - Provides a 1 Volt, 600 ohm, Transformer balanced output for Music/Message on Hold. Internal jumper selects the source from either Aux Input or Module Output. Level Control is provided. Not affected by paging or muting.

ZONE 2 OUTPUT - Provides a 1 Watt, 8 ohm output for Zone 2 Speaker Output. Internal jumper selects the source as per MOH.

Architects' and Engineers' Specifications

The Power Amplifier shall be a 3 Input Channel, 2 Output Zone voltage and power amplifier. The power output shall be 240 watt RMS. The frequency response shall be 20 to 20,000 Hz +/- 1 db and the THD shall be better than 0.5%. A port for a standard plug-in Module with Level Control shall be provided. INPUT 1 shall be a balanced Microphone input. INPUT 2 shall be a Transformer Balanced Telephone input. INPUT 3 shall an unbalanced Auxiliary Input with a variable Sensitivity Attenuator. Stereo Signal Summing shall be provided on Input 3. A VOX - Voice Activated Muting shall be provided activated by MIC or TEL. Direct Mute/Unmute terminals are provided to mute/unmute Input 1, 2/3 and Module. MOH - Music on Hold Output shall provide a 600-ohm, 1 Volt Transformer balanced output for Music/Message on Hold Output with level control. Zone 2 shall provide a 1 Watt, 8 ohm Output with level control. The speaker output shall be 8 ohm and 25 Volt and 70.7 Volt lines. Rear panel controls shall be provided for Telephone Paging Level, AUX Input, AUX Attenuator, Module and MOH/ZONE 2 Output Level. The amplifier shall operate on 117 Volts 60 Hz . Power Consumption shall be 700 VA. Dimensions shall be 19" Wide, 13" Deep, 5 1/4" High (482X331X140 mm). Standard 19" Rack Mounting shall be provided. The net weight shall be 38 lbs. (18 Kg). Finish shall be black. The Amplifier shall be UL 6500 Listed (Y2K ready). The Paso model DMS4241 is specified.

AC ACCESSORY OUTLET - 500 Watt unswitched.

EQ LINK/MIX BUSS - Separate Input (to Power Amp section) and Output (from Preamp section) for an External Equalizer.

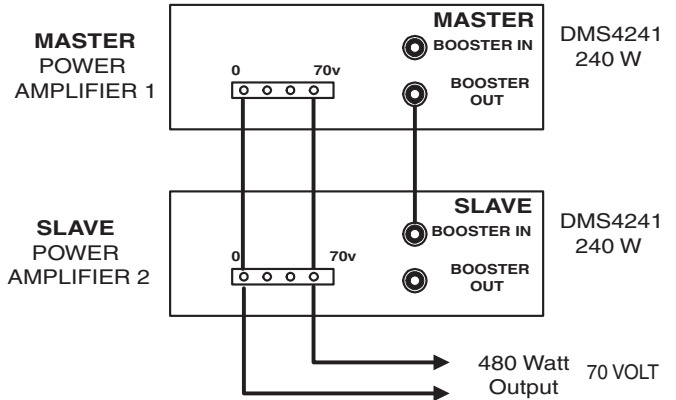
STANDARD MODULE PORT - Port accepts standard plug-in module. Port Input Level Control is provided.(Screwdriver adjust). See list of modules available from PASO.

POS - PARALLEL OPERATING SYSTEM

The amplifier is equipped with an exclusive **Parallel Operating System**. In applications requiring **Power Doubling** two amplifiers may be paralleled. The first amplifier may be designated **Master** with all input controls active and the second amplifier is designated **Slave** with the controls deactivated. Master or Slave selectors are available internally. Use the diagram below as a guide for a **Power Doubling** installation.

ACCESSORIES

PM03W - 3 Watt Amplifier Module. 4 ohm & 70 Volt speaker output. Internal Source Selector for Input 2, 3 or External Input. Output Level Control.



Parallel Operating System Example



since 1931

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 281

RV 1.0

Printed in USA

AUTHORIZED DISTRIBUTOR

