COMPACT DMA
DIGITAL MUSIC AMPLIFIERS

DMA SETS NEW STANDARDS FOR DIGITAL MUSIC REPRODUCTION

DMA2015 - 15 W INTEGRATED AMPLIFIER
DMA2030 - 30 W INTEGRATED AMPLIFIER
DMA2060 - 60 W INTEGRATED AMPLIFIER
DMA2120 - 120 W INTEGRATED AMPLIFIER

- ULTRA WIDE POWER BANDWIDTH
- UNMEASURABLE DISTORTION CHARACTERISTICS
- HIGH RELIABILITY/EXCEPTIONAL PERFORMANCE
- ADDRESSABLE VOX AND MUTING SYSTEM
- INDEPENDENT MOH AND 2ND ZONE OUTPUT
- INTELLIGENT INPUT/OUTPUT VERSATILITY
- AUTOMATIC LOAD MANAGEMENT SYSTEM
- POWER SURGE AND OVERLOAD PROTECTION

4 CHANNEL - DIGITAL MUSIC INTEGRATED AMPLIFIERS

pasO
professional audio & sound

Engineering leadership in sound products since 1931
POWER OUTPUT: DMA2015 - 15 Watt RMS
DMA2030 - 30 Watt RMS
DMA2060 - 60 Watt RMS
DMA2120 - 120 Watt RMS

FREQUENCY RESPONSE: 20 Hz - 30 kHz ± 2 dB
DISTORTION: 0.01% THD at 1 kHz rated power

INPUTS
INPUT 1 - MIC Electronically balanced
INPUT 2 - TELPAGE Transformer Balanced
INPUT 3 - MIC E. Balanced - AUX 1 - L+R
INPUT 4 - MIC E. Balanced - AUX 2 - L+R
Sensitivity & Z
INPUT 1 - MIC 1 = 1.5 Mv - 250 ohm
INPUT 2 - TEL 100 Mv 600 ohm Xformer Balanced
INPUT 3 - MIC 3 = 1.5 Mv - 250 ohm
AUX 1 = 100 Mv - 47K ohm
INPUT 4 - MIC 4 = 1.5 Mv - 250 ohm
AUX 2 = 100 Mv - 47K ohm

PHANTOM POWER: All MIC Inputs Selectable by Internal Jumper (18 V)

INPUT ATTENUATOR: AUX 1 and AUX 2

REMOTE VOLUME: INPUT 3 AUX 1 Input Volume
MASTER REMOTE VOLUME: Master Volume Control
HUM & NOISE: Mic -70 db, Aux -75 db

TONE CONTROLS: Bass & Treble ± 12 dB at 100 Hz and 12 kHz
EQ LINK: Preamp Out, Power Amp In with Internal/External EQ Switch
LINE OUTPUT: Line Out 600 ohm - 1.5 V loaded
MIX BUSS: IN/OUT
TONE BYPASS: On/Off Switch
UNMUTE Feature: On Input 1

INTERNAL EQ SOCKET ACCEPTS:
PMEQ016B Equalizer Card for BOSE® Model 16
PMEQ032B Equalizer Card for BOSE® Model 32

INTERNAL UTILITY SOCKET ACCEPTS:
AC1B/DMS Chime Card

AUXILIARY POWER SUPPLY: 24 VDC - 250 mA regulated

CONTROLS:
Front Panel: Inputs 1 - 4 Volume, Bass, Treble, Module Volume

Rear Panel: Aux 1 & 2 Input Attenuator

VOX Sensitivity - MUTE Delay 3-60 Adjustable

MGH: Output Level Control
ZONE 1: Output Level Control

VOX BUSS: On all Inputs via Internal Jumper
MUTE BUSS: On all Inputs via Internal Jumper
VOX: Independent Adjustable Sensitivity Control
MUTE DELAY: Adjustable 3-60 Sec. (rear panel)
DIRECT MUTE: Mute by external switch

ZONE 1:
MUSIC ON HOLD OUT: 600 ohm Transformer Balanced with Level Control
Z1 Power Output: 2 Watt, 8 Ohm with Level Control

SPEAKER OUTPUTS
OUTPUT IMPEDANCE: 8 ohm, 25 and 70 Volt line

OUTPUTS RCA JACK
PRE OUT 47 Kohm
LINE OUT 600 Ohm
TERMINATIONS: Screw Terminals and RCA Jacks

RACK MOUNTING: Optional 19" Rack Mounting Kit Model 27/3500

INTERNAL COOLING FAN: Variable Speed, Thermally Controlled ON MODELS: DMA2060 DMA2120

PROTECTION: Power Surge, Overload and Thermal Protection

POWER REQUIREMENT: 117 Volt, 50-60 Hz
POWER CONSUMPTION AC: DMA2015 = 570 VA
DMA2030 = 600 VA
DMA2060 = 670 VA
DMA2120 = 850 VA

AC ACCESSORY OUTLET: 117 v - 500 W Max. Unswitched

DIMENSIONS: 10.75" W. , 11" D., 4" H. with feet, 3.5" less feet [274X280X102 mm] (89 mm)

NET WEIGHT:
DMA2015 = 10 LBS (4.6 Kg)
DMA2030 = 12 Lbs (5.5 Kg)
DMA2060 = 13 Lbs (6.0 Kg)
DMA2120 = 15 Lbs (6.9 Kg)

HOUSING FINISH: Black

The New DMA SERIES is like no other Amplifier Line. Every component utilized is Heavy-Duty. Built tough to take the daily punishment required for continuous operation. DMA delivers Outstanding Sonic Performance at any level of rated power and with any Speaker System Load. Breakthrough Technology is applied to every critical Circuitry from Power Surge Protection and Speed Controlled Fans for Thermal Protection to massive High Current Power Supplies. The Load Management System has the ability to adapt the power transfer to specific speaker loads. By delivering more current on demand to the Output Stages when Peak Power is needed the Amplifier will automatically provide the additional Reserve Headroom required. Sound purity is maintained with lower distortion for "Heavier Bass" and "Clearer Highs". Four models from 15 Watt to 120 Watt.

COMPACT
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DNA Sets new standards in music reproduction

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
Inputs - Input 1 is set as Microphone Input. Impedance is 250 ohm electronically balanced. This input may be Transformer balanced by using the optional Transformer Model MT250.

Input 2 is Phone Paging to interface with a Phone System. Input Impedance is 600 ohm. Transformer Balanced. A level control is available on the Front Panel.

Input 3 and 4 can be set at either MIC or AUX Level, (internal Switch/Jumper), Impedance is 250 ohm on MIC and 47 K ohm on AUX.

Phantom Power - Provided on all Inputs set as MIC.

Stereo Summing - Two separate RCA Jacks are provided for Input 3 and 4 (Left and Right). A Stereo signal connected to either Input is buffered and internally summed to Mono.

Input 3 & 4 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.).

MIX BUS - 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 Control - The INPUT 3/AUX 1 Input Volume may be adjusted from a remote location. Remote Volume Inputs utilize a 10K 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.

Addressable Muting System - All Inputs may be set to be Muted when the VOX is activated.

Direct Muting/Unmuting System - The MUTE function may be activated by external contacts. MIC 1 Input may be set to normally off and turned-on by shorting the Unmute Terminals.

MUTE Adjustable Delay - A rear panel control adjusts the MUTE Time Delay from 3 Sec. to 60 Sec. Particularly useful to control the length of time that an Input mutes another (for example AUX 1 over AUX 2).

Music on Hold - Output Channel 1 - Channel 1 provides a 1 Volt, 600 ohm Transformer Balanced Output. Internal Jumper selects the source from either AUX 1 or AUX 2. Level Control is provided.

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

Internal Chime Card - An optional Chime Card Model AC10MS is available. When the Direct Muting is activated the Chime is turned-on.

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.

24 VDC Supply Output - A 24 Volt DC, 250 mA regulated Power Supply with dynamic filter is provided for external accessories.