DMS SERIES B

Model DMS3040B - 40 WATT - 7 CHANNEL INTEGRATED AMPLIFIER
Model DMS3080B - 80 WATT - 7 CHANNEL INTEGRATED AMPLIFIER
Model DMS3120B - 120 WATT - 7 CHANNEL INTEGRATED AMPLIFIER
Model DMS3260B - 260 WATT - 7 CHANNEL INTEGRATED AMPLIFIER

7 CHANNEL - HIGH PERFORMANCE INTEGRATED AMPLIFIERS

Engineering leadership in sound products since 1931

pasopotential audio & sound

MULTI MEDIA SERIES
The New DMS B SERIES is like no other Amplifier Line. Every component utilized is Heavy-Duty. Built tough to take the daily punishment required for continuous operation. DMS B 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 are available from 40 Watt to 260 Watt in only 2U of Rack space.

High Performance - High Reliability Systems
CONVERTIBLE INPUTS
PHOENIX CONNECTORS
REAR PANEL PROGRAMMING

- HIGH PERFORMANCE MULTI MEDIA INTEGRATED AMPLIFIERS
- PHOENIX CONNECTORS
- DIP SWITCH REAR PANEL PROGRAMMABLE
- SEVEN CHANNEL FULLY ADDRESSABLE INPUTS
- FOUR AUX INPUTS - RCA CONNECTORS
- 600 OHM TRANSFORMER BALANCED PHONE PAGING INPUT
- ALL CHANNEL REMOTE VOLUME CONTROL CAPABILITY
- MASTER REMOTE VOLUME CONTROL
- ALL CHANNEL INPUT SENSITIVITY CONTROL
- PORT FOR INPUT/OUTPUT AUDIO MODULES
- BUILT-IN REMOTE CONTROL ROOM COMBINING SYSTEM
- BUILT-IN ZONE PAGING SYSTEM
- AUTOMATIC LEVEL CONTROL/COMPRESSORS ON AUX 3 AND 4
- WIDE POWER BANDWIDTH AND VERY LOW DISTORTION
- 2ND 5 WATT 8 OHM ZONE - 3RD 5 WATT 70 VOLT ZONE
- 24 VOLT DC - 500 MA REGULATED AUXILIARY POWER SUPPLY
- MUSIC ON HOLD OUTPUT WITH INDEPENDENT LEVEL CONTROL
- AUTOMATIC LOAD MANAGEMENT SYSTEM
- THERMALLY ACTIVATED VARIABLE SPEED COOLING FAN
- ON - OFF POWER REMOTE RELAY CAPABILITY
- BUILT-IN SURGE PROTECTION
### POWER OUTPUT

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMS3040B</td>
<td>40 Watt RMS</td>
</tr>
<tr>
<td>DMS3080B</td>
<td>80 Watt RMS</td>
</tr>
<tr>
<td>DMS3120B</td>
<td>120 Watt RMS</td>
</tr>
<tr>
<td>DMS3260B</td>
<td>260 Watt RMS</td>
</tr>
</tbody>
</table>

**Distortion:** Less than 0.03% THD
**Frequency Response:** 20 - 20,000 Hz ± 1 db

### INPUTS

<table>
<thead>
<tr>
<th>Input</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Microphone or Line Balanced</td>
</tr>
<tr>
<td>2</td>
<td>Microphone or Line Balanced - AUX 1 (Stereo Summing)</td>
</tr>
<tr>
<td>3</td>
<td>Microphone or Line Balanced - AUX 2 (Stereo Summing)</td>
</tr>
<tr>
<td>4</td>
<td>Microphone or Line Balanced - AUX 3 (Stereo Summing)</td>
</tr>
<tr>
<td>5</td>
<td>Microphone or Line Balanced - AUX 4 (Stereo Summing)</td>
</tr>
<tr>
<td>6</td>
<td>Microphone or TEL Balanced - Transformer Balanced</td>
</tr>
<tr>
<td>7</td>
<td>Module Port</td>
</tr>
</tbody>
</table>

**Sensitivity & Z**

<table>
<thead>
<tr>
<th>Input</th>
<th>Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mic 1 = 1.5 Mv - 250 ohm - LINE = 150 Mv - 47 Kohm</td>
</tr>
<tr>
<td>2</td>
<td>Mic 2 = 1.5 Mv - 250 ohm - LINE - AUX 1 = 150 Mv - 47 Kohm</td>
</tr>
<tr>
<td>3</td>
<td>Mic 3 = 1.5 Mv - 250 ohm - LINE - AUX 2 = 150 Mv - 47 Kohm</td>
</tr>
<tr>
<td>4</td>
<td>Mic 4 = 1.5 Mv - 250 ohm - LINE - AUX 3 = 150 Mv - 47 Kohm</td>
</tr>
<tr>
<td>5</td>
<td>Mic 5 = 1.5 Mv - 250 ohm - LINE - AUX 4 = 150 Mv - 47 Kohm</td>
</tr>
<tr>
<td>6</td>
<td>Mic 6 = 1.5 Mv - 250 ohm - Tel = 100 Mv - 600 ohm - Xfmr Balanced</td>
</tr>
<tr>
<td>7</td>
<td>Module = 1 V - 47 K ohm</td>
</tr>
</tbody>
</table>

**Input Attenuator:** INPUTS 1 through 6 Variable [rear panel control]

**RVC - Remote Volume Control:** INPUTS 1 through 6 - Remote Master Volume

**Phantom Power:** All Microphone Inputs by independent DIP Switch [18 V]

**Hum & Noise:** Mic -70 db, Aux -75 db

**LO-CUT Filter:** On inputs 5 - 6 = -12 db at 100 Hz

**Module Port:** Accepts Standard Module

**EQ LINK:** Preamp cut, Power Amp in with EQ Link Switch

**Line Outputs:** Line Out 600 ohm - 1.5 V loaded

**MIX BUSS:** IN/OUT with remote Control Defeat Relay

**Music Hold Output:** 600 ohm-1 Volt Transformer Balanced

**Zone 2 Output:** 5 Watt-8 ohm with Control

**Zone 3 Output:** 5 Watt-8 ohm and 70 Volt with Control

**Main Output Impedance:** 8 ohm, 25 Volt and 70 Volt line

### CONTROLS

**Front Panel:** Volume Input 1 - 6, Module Volume, Bass, Treble and Master Volume

**Rear Panel:** Input 1 - 6 Attenuator - MOH/ZONE 1 Level Control - ZONE 2 Level Control - VOX 1/VOX 2 Sensitivity - MUTE 2 Delay

**Bass and Treble Controls:** ± 12 db at 100 Hz and 10 KHz

**Tone By-Pass:** On - Off Switch [rear panel]

**MOH Source Selection:** AUX 1 - AUX 2 - AUX 3 - AUX 4 - MODULE

**Zone 1 and 2 Source Select:** AUX 1 - AUX 2 - AUX 3 - AUX 4 - MODULE

**DUAL VOX:** Voice Activated Muting

**VOX BUSS 1:** Available on all 7 Inputs DIP Switch Activated

**VOX BUSS 2:** Available on all 7 Inputs DIP Switch Activated

**MUTE BUSS 1:** Available on all 7 Inputs DIP Switch Activated

**MUTE BUSS 2:** Available on all 7 Inputs DIP Switch Activated

**MUTE 2 DELAY:** Adjustable from 3 Sec to 60 Sec [rear panel control]

**Unmute Feature:** On Inputs 1 and 2

**Power Supply Output:** 24 V DC - 500 mA Regulated

**Auto VOX Relay:** NO/NC Contacts - VOX activated - Contacts Rating = 30 VDC - 7 A

**Rack Mounting:** Optional Model 27/3501 - 19" Rack Kit

**Internal Cooling Fan:** 3" Thermally Controlled - Models DMS3080B, DMS3120B, DMS3260B

**Power Requirement:** 117 Volt, 50-60 Hz

**Power Consumption:** DMS3040 = AC = 630 VA - DMS3080 = 750 VA - DMS3120 = 850 VA - DMS3260 = 1200 VA Max.

**AC Accessory Outlet:** 500 W Max. Unswitched

**Terminations:** Phono Jacks, RCA Jacks

**Programming:** Rear Panel DIP Switches

**Housing Finish:** Black

**Output Power Indicator:** Multi-color LED (front panel)

**Dimensions:** 17" W., 15" D., 4" H. w/feet (432X380X102 mm) 3.5" H (89 mm), less feet

### NET WEIGHT

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMS3040B</td>
<td>18 Lbs (8.2 Kg)</td>
</tr>
<tr>
<td>DMS3080B</td>
<td>21 Lbs (9.6 Kg)</td>
</tr>
<tr>
<td>DMS3120B</td>
<td>23 Lbs (11 Kg)</td>
</tr>
<tr>
<td>DMS3260B</td>
<td>34 Lbs (15.5 Kg)</td>
</tr>
</tbody>
</table>