DISTRIBUTION AMPLIFIERS
DA1008       DA2016
SINGLE 1 by 8   DUAL 1 by 8

AUDIO TECHNOLOGIES INCORPORATED
Dedicated to sound engineering
Sound reasons to specify ATI

**Sound Packaging**
- Handsome, reverse printed polycarbonate panels and textured polyurethane paint will resist years of wear and abuse.
- MicroAmps are rackable and stackable, only 1% in. high (one rack unit). Rack mount brackets are removable for desk-top use and non-slip suction feet keep them where you put them.
- MicroAmps are fully RF protected with shielded cases, double ground plane PC boards and interwinding transformer shielding.
- MicroAmps are complete even to input-output terminal block fanning strips.

**Sound Performance**
- MicroAmps provide +22 dBm at clipping (all channels driven). +30 dBm models available for critical headroom requirements.
- MicroAmps are quiet, total output noise below -60 dBm at full gain.
- MicroAmps are transparent, a 13 V/microsecond slew rate eliminates the irritating harshness of Transient Intermodulation Distortion (TIM). Exclusive use of the 5533 audio IC provides 100 db open loop gain with a 50 MHz gain-bandwidth product to hold typical circuit distortion below .005%, even at 30 KHz.
Sound Engineering

- MicroAmps have been designed by a team with a 25-year history of successful broadcast and studio equipment design.
- MicroAmps eliminate by design the most common problems in DA usage with RF protected inputs and outputs and extremely high input and output clipping levels.
- MicroAmps exclusively utilize the newest premium integrated amplifiers designed specifically for professional audio applications rather than lower performance, lower cost instrumentation grade operational amplifiers.
- MicroAmp Distribution Amplifiers are available with individual transformer outputs for high RF loop environments; Balanced differential outputs to hold all levels for +30 dBm models for critical headroom applications and network use.

Sound Features

- MicroAmps provide individual adjustment for each output. Audio taper, hot molded, sealed, premium level controls eliminate noise and erratic operation.
- MicroAmps have exclusive SCAN monitoring and metering. SCAN pressure sensor switch is fully protected behind the panel. Touching SCAN marking on the panel scans the monitor circuit across all 16 outputs at two steps per second. LED digital readout indicates channel being monitored.
- MicroAmp DAs provide a high resolution, three color LED VU meter display. Front panel calibration switch selects +4, +8, or +18 dBm outputs at 0 VU.
- MicroAmp headphone monitor provides two channel monaural drive for stereo headphones with front panel level control and phone jack.
- MicroAmp Input Overload Indicators flash to indicate input signals which exceed the rated +24 dBm maximum input level.
Sound Specifications

Output Clipping Level
All channels simultaneously driven to full output.
DA2016-1, 2
DA1008-1, 2
DA1008-3, 4
+22 dBm, 600/150 ohms
+22 dBm, 600/150 ohms
+30 dBm, 600/150 ohms
+24 dBm bridging
+25% maximum THD, 30 to 20,000 Hz

Distortion
Rated output and input levels to
+24 dBm bridging

Frequency Response
Output Noise
+70 dBm maximum
20 kHz measurement bandwidth
600 ohm source impedance, full gain

Hum Rejection
Common mode, 60 to 120 Hz
80 db

Input Overload
+24 dBm bridging, 600 ohms

Input Impedance
Balanced differential inputs
30,000 ohm bridging
24 db, front panel screwdriver adjustable

Power
115/230 VAC +/- 10%, 47-63 Hz
Hum Rejection
-70 dBm maximum

Size
17" W, 1¾" H, 10½" D, 10 lbs.

Metering
Electronic SCAN switching, 12 segments, 3 color, peak reading LED
VU indicator, 0 VU selectable to +4, +8, or +18 dBm by front panel switch.
LED channel indicator.

Headphone Output
20 volt-p-p output to 600 ohm phones, 30 mW output to low impedance phones

Mounting
Suction feet for non-slip desk mounting and brushed aluminum extrusion rack mount brackets supplied.

Input/Output Connections
High density screw terminal barrier blocks. Fanning strips supplied for easy installation.

Models
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Output</th>
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<tbody>
<tr>
<td>DA1008-1</td>
<td>1 in x 8 out, Transformer coupled outputs,</td>
<td>+22 dBm output</td>
</tr>
<tr>
<td>DA1008-2</td>
<td>1 in x 8 out, Balanced differential outputs,</td>
<td>+22 dBm output</td>
</tr>
<tr>
<td>DA1008-3</td>
<td>1 in x 8 out, Transformer coupled outputs,</td>
<td>+30 dBm output</td>
</tr>
<tr>
<td>DA1008-4</td>
<td>1 in x 8 out, Balanced differential outputs,</td>
<td>+30 dBm output</td>
</tr>
<tr>
<td>DA2016-1</td>
<td>2 in x 16 out, Transformer coupled outputs,</td>
<td>+22 dBm output</td>
</tr>
<tr>
<td>DA2016-2</td>
<td>2 in x 16 out, Balanced differential outputs,</td>
<td>+30 dBm output</td>
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Represented by:

3 year limited warranty.
Technical specifications are subject to change at the discretion of the manufacturer.