

# Multiple Stereo/Mono Headphone Amplifiers

## HDA400 HDA600

The **HDA400** is an economical four output stereo monitoring system. Balanced ¼" TRS stereo line inputs with a master level control, clipping indicator and stereo/mono switch drive four independently adjustable high compliance stereo outputs. Each output comfortably drives typical 32 to 600 ohm headphones to SPL in excess of 120dB at 100mW each. Headphone output jacks are duplicated on front and rear panels. One rack space package with internal AC power supply. CE marking.

The **HDA600** is a full featured, six output stereo headphone distribution system. Parallel balanced XLR and TRS cue and stereo line inputs allow easy loop-thru and connector flexibility. A mic/line cue input is adjustable and selectable into left, right or both internal distribution busses mixed with the stereo line feed. Clip LEDs monitor cue and line inputs. Six independent, 100mW, high compliance stereo headphone drivers are fed from either the internal distribution busses or from individual rear TRS connectors configurable as stereo unbalanced or mono balanced inputs. Signal presence LEDs monitor each input. Headphone outputs are duplicated on front and rear of the one rack unit, internally powered package. CE marked.

These headphone amplifiers provide complete monitoring solutions for on-air studios, line remotes, houses of worship, production rooms, learning centers, home studios, or state-of-the-art recording studios.

- Mono/Stereo Switch
- Direct Input/Output Level Controls
- Signal Present Indicators
- Input Program & Cue Clipping Indicators
- Mono Cue Input
- Internal Power Supply



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## Technical Specifications

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<b>OUTPUTS</b>	
LEVEL	Four (HDA400) or Six (HDA600) high compliance 6V/80mA outputs Capable of 100mW minimum into 32 to 600 ohm headphones.
DISTORTION	.1A% THD maximum 20~ 20000 Hz, below clipping
RESPONSE	+0/-0.5dB 20~ 20000 Hz
SEPARATION	70dB minimum at 1kHz
NOISE	-90dB E.I.N. 20~ 20000 Hz
GAIN	Program inputs 30dB maximum; Cue* input 70dB maximum; Direct Inputs 16dB maximum
<b>INPUTS</b>	
MASTER LINE	Balanced 20K bridging; Nominal -10/+4 selectable, maximum +24dBu in.
CUE	Balanced 20K bridging; Nominal Line Level at -10dBu or Mic level at -50dBu.
DIRECT	Unbalanced 20K Ohm TRS Stereo at -10dBu nominal. Balanced 20K bridging Mono at -10dBu with internal jumper change.
<b>INDICATORS</b>	
INPUT CLIP	Yellow – Lights at onset of input stage clipping
CUE CLIP	Yellow – Lights at onset of input stage clipping
SIGNAL PRESENT	Green – Lights at -20dBu buss or direct inputs
POWER	Red
<b>CONNECTIONS</b>	
INPUT	Program Inputs and Cue* Input: Balanced XLR* and Balanced TRS Direct Channel Inputs: Unbalanced Stereo or Balanced Mono TRS
OUTPUT	Unbalanced TRS
POWER IN	Standard IEC 320 3 Pin
<b>SIZE</b>	
	1RU package; 19" (48.3cm) W x 1-3/4"(4.5cm) H x 7.5"(19.05cm) D; 15 lbs (6Kg)
<b>POWER REQUIREMENTS</b>	
	115 VAC nominal, 105 to 125 VAC, 50-60Hz, 24VA max 230 VAC nominal, 220 to 240 VAC, 50 – 60Hz, 24VA max
<b>WARRANTY</b>	
	Limited, One Year Warranty

