

# Specifications — DA 6A

## Audio

Gain ..... Unity when internal jumpers are set to match output wiring. See the table below for other conditions.

Internal Jumpers \ Output Wiring	Balanced	Unbalanced
Balanced	0 dB	+6 dB
Unbalanced	-6 dB	0 dB

Frequency response ..... 20 Hz to 20 kHz,  $\pm 0.05$  dB (with voltage reference @ 1 kHz)  
 THD + Noise ..... 0.03% @ 1 kHz at nominal level  
 S/N ..... >90 dB, unbalanced/balanced, at maximum output (unweighted)  
 Stereo channel separation ..... >80 dB @ 1 kHz, >60 dB @ 20 kHz  
 CMRR ..... >75 dB @ 20 Hz to 20 kHz  
 Output cable driving distance ..... Up to 1000 feet with STP 22 cable

## Audio input

Number/signal type ..... 1 stereo, balanced/unbalanced  
 Connector ..... (1) 3.5 mm captive screw connector, 5 pole  
 Impedance ..... >18k ohms unbalanced, >24k ohms balanced, DC coupled  
 Nominal level ..... Compatible with +4 dBu (1.23 Vrms), 0 dBu (0.775 Vrms), -10 dBV (316 mVrms), -20 dBV (100 mVrms)  
 Maximum level ..... +24 dBu, (balanced) at 1%THD+N

**NOTE** 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dD  $\approx$  2 dBu

## Audio output

Number/signal type ..... 6 stereo, balanced/unbalanced  
 Connectors ..... (6) 3.5 mm captive screw connectors, 5 pole  
 Impedance ..... 50 ohms unbalanced, 100 ohms balanced  
 Maximum level (Hi-Z) ..... >+24 dBu, balanced at 1%THD+N  
 Maximum level (600 ohm) ..... >+15 dBm, balanced at 1%THD+N

## General

Power ..... 100 VAC to 240 VAC, 50-60 Hz, 8 watts, internal  
 Temperature/humidity ..... Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing  
 Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing

### Mounting

Rack mount ..... Yes, with optional 1U deep rack shelf  
 Furniture mount ..... Yes, with optional under-desk mounting kit or through-desk mounting kit

Enclosure type ..... Metal  
 Enclosure dimensions ..... 1.7" H x 8.7" W x 6.0" D (1U high, half rack wide)  
 (4.3 cm H x 22.1 cm W x 15.2 cm D)  
 (Depth excludes connectors.)

Product weight ..... 2 lbs (0.9 kg)  
 Shipping weight ..... 4 lbs (2 kg)  
 Vibration ..... ISTA 1A in carton (International Safe Transit Association)

### Regulatory compliance

Safety ..... CE, c-UL, UL  
 EMI/EMC ..... CE, C-tick, FCC Class A, VCCI, ICES

Warranty ..... 3 years parts and labor

**NOTE** All nominal levels are at  $\pm 10\%$ .

**NOTE** Specifications are subject to change without notice.