

# Specifications — ASA 101

## Audio

**NOTE** All audio specifications were tested with a stereo audio source, 50 ohm output impedance, and a sink with a 10k ohm load. Both left and right input channels were connected to the source at all times, even in tests where a signal was present at one input only.

Gain ..... Generally unity gain with unbalanced output, +6 dB gain with balanced output. See the table below. Entries with an asterisk (\*) indicate the input was set to no signal, but was still connected to the audio source.

Input Channel		Output Wiring	
Left	Right	Unbalanced	Balanced
signal	signal	0 dB	+6 dB
signal	—*	-6 dB	0 dB
—*	signal	-6 dB	0 dB

\*Tested with this input remaining connected

Frequency response ..... 280 Hz to 20 kHz, ±0.5 dB, full frequency range THD+N <1%, with -10 dBV input  
 THD + Noise ..... 0.1% @ 1 kHz, <1% @ 280 Hz to 20 kHz  
 S/N ..... 130 dB at maximum output  
 Stereo channel separation ..... >80 dB @ 1 kHz, >60 dB @ 20 kHz

## Audio input

Number/signal type ..... 1 stereo, unbalanced  
 Connectors ..... 1 pair of male RCA (tip-ring)  
 Impedance ..... 300 ohms (with both input connectors connected to a stereo source)  
 Nominal level ..... -10 dBV (316 mV)  
 Maximum level ..... +7 dBV (2.2 V) @ 1 kHz, (unbalanced) at <1% THD+N

**NOTE** 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

## Audio output

Number/signal type ..... 1 mono, balanced/unbalanced  
 Connectors ..... (1) 3.5 mm direct insertion captive screw connector, 3 pole  
 Impedance ..... 80 ohms  
 Nominal level ..... -10 dBV (316 mV)  
 Maximum level ..... +7 dBV (2.2 V) @ 1 kHz, (unbalanced) at <1% THD+N

## General

Power ..... Not powered  
 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  
 Rack mount ..... Can be attached to any flat surface with supplied Velcro®  
 Enclosure type ..... Molded plastic  
 Enclosure dimensions ..... 0.7" H x 1.0" W x 1.5" D  
 1.8 cm H x 2.5 cm W x 3.8 cm D  
 (Depth excludes the 24 inch long pigtail.)  
 Product weight ..... 0.2 lbs (0.1 kg)  
 Shipping weight ..... 1 lb (1 kg)  
 Vibration ..... ISTA 1A in carton (International Safe Transit Association)  
 Listings ..... UL, CUL  
 Compliances ..... CE, FCC Class A, VCCI, AS/NZS, ICES  
 Warranty ..... 3 years parts and labor

**NOTE** All nominal levels are at ±10%.

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