

Specifications

BUC 102

Audio

Gain..... Unity (0 dB) when the BUC 102 is set to the default gain adjustment and the DIP switch is set to match the output wiring.

DIP Switch Setting	Output Wiring	
	Unbalanced	Balanced
Unbalanced	0 dB	+6 dB
Balanced	-6 dB	0 dB

Gain adjustment range..... Mute to +20 dB, when DIP switch is set to match the output wiring
Frequency response..... 20 Hz to 20 kHz, ± 0.15 dB
THD + Noise..... 0.05% @ 1 kHz at nominal level
S/N..... >90 dB, balanced, at maximum output, unweighted
Stereo channel separation >80 dB @ 1 kHz, >60 dB @ 20 kHz
CMRR >72 dB @ 20 Hz to 20 kHz

Audio input

Number/signal type 1 set of stereo, balanced/unbalanced
Connectors (1) 3.5 mm captive screw connector, 5 pole
Impedance >10k ohms unbalanced/balanced
Nominal level -10 dBV (316 mVrms) or +4 dBu (1.23 Vrms)

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV \approx 2 dBu.

Audio output

Number/signal type 1 set of stereo, balanced/unbalanced
Connectors (1) 3.5 mm captive screw connector, 5 pole
Impedance 50 ohms unbalanced, 100 ohms balanced
Gain error ± 0.5 dB channel to channel
Nominal level -10 dBV (316 mVrms) or +4 dBu (1.23 Vrms)
Maximum level (Hi-Z)..... >+25 dBu (13.78 Vrms), balanced, at 1% THD+N with 100k ohm load
Maximum level (600 ohm)..... >+18 dBu (6.16 Vrms), balanced, at 1% THD+N
(The level of an unbalanced signal will be 6 dB lower.)

General

Power supply..... External
Input: 100-240 VAC, 50-60 Hz
Output: 12 VDC, 1 A

Power input requirements 12 VDC, 0.2 A

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

Cooling..... Convection, no vents

Mounting

- Rack mount..... Yes, with optional 1U rack shelf
- Furniture mount Yes, with optional mini under-desk mounting kit
- Pole mount..... Yes, with optional mini pole mount kit

Enclosure type.....	Metal
Enclosure dimensions	1.7" H x 2.2" W x 3.0" D (1U high, one-eighth rack wide) (4.3 cm H x 5.6 cm W x 7.6 cm D) (Depth excludes connectors.)
Product weight.....	0.2 lb (0.1 kg)
Shipping weight.....	2 lbs (1 kg)
Vibration.....	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
Compliances.....	CE, C-tick, FCC Class A, ICES, VCCI
Warranty.....	3 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$, and all specifications are tested at unity gain unless otherwise noted.

NOTE: Specifications are subject to change without notice.

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