

BUC 202

TWO CHANNEL AUDIO BUC - BALANCED AND UNBALANCED CONVERTER

- ▶ Converts unbalanced audio signals to balanced signals and balanced signals to unbalanced signals
- ▶ Active balancing circuitry
- ▶ Audio line driver for long distance audio signal transmission
- ▶ Independent, variable trim control on each channel with wide, 42 dB adjustment range
- ▶ Versatile 1U, quarter rack width enclosure allows installation on a rack rail, beneath a table, or within a lectern
- ▶ Patented ZipClip™ 200 mounting kit included
- ▶ Internal universal power supply



The Extron BUC 202 is a balanced and unbalanced audio converter, and an audio line driver. It serves as an interface from consumer products to professional AV systems with precision audio signal matching, and can be used to send and receive audio signals over long distances. The unique quarter rack width enclosure, together with the included patented ZipClip 200 mounting bracket, offers the versatility of installing the BUC 202 in a variety of discreet locations.



Extron Electronics
INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **BUC 202** is a two channel balanced and unbalanced audio converter, and audio line driver. The converter provides two independent channels of signal matching between unbalanced and balanced audio equipment. Two precision rotary switches provide trim adjustment from -21 to +21 dB in clearly-labeled 3 dB steps. In addition to serving as an interface from consumer products to professional AV systems, the BUC 202 is a high-quality line driver for sending and receiving audio signals up to 1,000 feet (300 m). The unique 1U, quarter rack width enclosure, together with the included patented ZipClip 200 mounting bracket, offers the versatility to install the BUC 202 in a discreet location, such as on a rack rail, beneath a table, or within a lectern.

FEATURES

- ▶ **Converts unbalanced audio signals to balanced signals and balanced signals to unbalanced signals** – The BUC 202 enables interfacing of consumer and professional equipment with proper audio gain structure.
- ▶ **Active balancing circuitry** – Active circuitry provides wide frequency response, low noise, and immunity to interference.
- ▶ **Audio line driver for long distance audio signal transmission** – Transmits balanced audio signals up to 1,000 feet (300 m) through Extron STP20 cable.
- ▶ **Independent, variable trim control on each channel with wide, 42 dB adjustment range** – Two detented, precision rotary switches labeled in 3 dB increments from -21 to +21 dB enable precise signal level adjustment.
- ▶ **Patented ZipClip 200 mounting kit included:**
 - Mounts securely on a variety of surfaces, including rack rails, tables, lecterns, and table legs
 - Wire tie slots for proper strain relief and dressing of excess cable
 - Quick release tab allows for easy installation and removal
- ▶ **Internal universal power supply**
- ▶ **UL/c-UL listed and CE compliant**



The BUC 202 includes the ZipClip 200 Mounting Kit to provide quick and flexible installation options. Once the ZipClip is attached to the desired location, the BUC 202 securely snaps into place for a clean installation.

SPECIFICATIONS

AUDIO		
Gain	-21 dB to 21 dB, 3 dB increments, independent channels	
Gain error	±0.1 dB	
Frequency response	20 Hz to 20 kHz, ±0.5 dB	
THD + Noise	0.05% @ 1 kHz at maximum output level	
S/N	>100 dB, at 0 dB gain	
Stereo channel separation	>80 dB @ 1 kHz	
AUDIO INPUT		
Number/signal type	1 stereo, balanced/unbalanced	
Connectors	(1) 3.5 mm captive screw connector, 5 pole	
Impedance	>10k ohms unbalanced/balanced	
Nominal level	-10 dBV to +4 dBu, adjustable	
Maximum level	+25 dBu, balanced, +20 dBu unbalanced	
CMRR	75 dB typ @ 1 kHz	
NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu.		
AUDIO OUTPUT		
Number/signal type	1 stereo, balanced/unbalanced	
Connectors	(1) 3.5 mm captive screw connector, 5 pole	
Impedance	50 ohms unbalanced, 100 ohms balanced	
Maximum level	+25 dBu balanced, +19 dBu unbalanced	
GENERAL		
Power supply	Internal Input: 100-240 VAC, 50-60 Hz	
Power consumption	2.9 watts	
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	
Thermal dissipation	9.9 BTU/hr	
Mounting		
Rack mount	Yes, with optional 1U rack shelf, with the included ZipClip 200 mounting clip, or by securing to rack rails with tie wraps	
Furniture mount	Yes, with the included ZipClip 200 mounting clip	
Pole mount	Yes, using tie wraps	
Enclosure type	High impact, high temperature plastic	
Enclosure dimensions	1.7" H x 4.3" W x 4.5" D (1U high, quarter rack wide) (4.2 cm H x 11.0 cm W x 11.4 cm D)	
Product weight	0.8 lb (0.4 kg)	
Shipping weight	3 lbs (2 kg)	
Vibration	Operating: 10-250 Hz, 0.25 Gp-p, 3 axes, 15 min. sweep	
Regulatory compliance		
Safety	CE, c-UL, UL	
EMI/EMC	CE, C-tick, FCC Class B, ICES, VCCI	
Environmental	Complies with the appropriate requirements of RoHS, WEEE	
Warranty	3 years parts and labor	
NOTE: All nominal levels are at ±10%, and all specifications are tested at unity gain unless otherwise noted.		
Model	Version Description	Part number
BUC 202	Balanced-Unbalanced Audio Converter	60-1370-01

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

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