

Specifications

RAC 104

Audio

Gain.....	Unbalanced output: -6 dB; balanced output: 0 dB, when input gain is set to 0 dB, output volume is at 100, and the input and output are set to the same level via the Line Level DIP switch
Frequency response	20 Hz to 20 kHz, ± 0.05 dB
THD + Noise	0.03% @ 1 kHz at nominal level
S/N.....	>90 dB, balanced at maximum output (unweighted)
Crosstalk	<-120 dB @ 1 kHz
Stereo channel separation.....	>80 dB @ 1 kHz, >60 dB @ 20 kHz
CMRR.....	>75 dB @ 1 kHz
Volume control range	-100 dB to 0 dB (volume numbers 0 through 100) in 0.5 dB steps

NOTE: Attenuation = volume number minus 100. The default is -30 dB = volume number 70.

Bass control range.....	± 14 dB, 100 Hz referenced to 1 kHz (0 through 14) in 2 dB steps
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NOTE: Bass dB = (bass number minus 7) times 2. The default is 0 dB = bass number 7.

Treble control range	± 14 dB, 10 kHz referenced to 1 kHz (0 through 14) in 2 dB steps
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NOTE: Treble dB = (treble number minus 7) times 2. The default is 0 dB = treble number 7.

Audio input

Number/signal type.....	4 channels, which can be mono or tied into stereo pairs, balanced/unbalanced
Connectors	(2) 3.5 mm captive screw connectors, 5 pole
Impedance.....	>18k ohms unbalanced/balanced, DC coupled
Nominal level.....	+4 dBu (1.23 V), -10 dBV (316 mV), switchable per group
Maximum level.....	+20 dBu (7.75 V), (balanced or unbalanced) at 1% THD+N
Input gain adjustment.....	-12 dB to +12 dB

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

Audio output

Number/signal type.....	4 channels, which can be mono or tied into stereo pairs, balanced/unbalanced
Connectors	(2) 3.5 mm captive screw connector, 5 pole
Impedance.....	50 ohms unbalanced, 100 ohms balanced
Nominal level.....	+4 dBu (1.23 V), balanced; -10 dBV (316 mV), unbalanced; switchable per group
Maximum level (Hi-Z).....	>+20 dBu, balanced or unbalanced at 1% THD+N

Control/remote – remote volume/tone controller

Serial control port.....	RS-232, 3.5 mm captive screw connector, 3 pole
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configuration	1 = TX, 2 = RX, 3 = GND
Program control	Extron control/configuration program for Windows® Extron Simple Instruction Set (SIS™)

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General

External power supply.....	100 VAC to 240 VAC, 50-60 Hz, external to 12 VDC, 0.5 A, 6 watts, regulated
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 brackets
Pole mount.....	Yes, with optional pole mount kit
Enclosure type	Metal
Enclosure dimensions	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) (4.3 cm H x 10.9 cm W x 7.6 cm D) (Depth excludes connectors and knob.)
Product weight	0.5 lbs (0.3 kg)
Regulatory compliance.....	CE, C-tick, c-UL, UL, FCC Class A, ICES, VCCI
Product warranty	3 years parts and labor
Everlast power supply warranty.....	7 years parts and labor

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

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

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