

Specifications

NetPA U 8001 SUB

Voltage gain	
Line Outputs.....	Unbalanced output: -6 dB Balanced output: 0 dB

Audio system

Frequency response	
Line in to line out	20 Hz to 20 kHz, ± 0.5 dB
Line in to digital out	20 Hz to 20 kHz, ± 0.5 dB
Digital in to line out	20 Hz to 20 kHz, ± 0.5 dB
Through amplifier.....	20 Hz to 1 kHz, ± 1 dB
THD + Noise	
Through DSP.....	<0.01% @ 1 kHz at maximum output level
Through amplifier.....	0.1% @ 1 kHz at 3 dB below clipping
S/N	
Line in to line out	90 dB, 20 Hz to 20 kHz at maximum output (unweighted)
Line in to speaker out	100 dB, 20 Hz to 1 kHz at maximum output (unweighted)
Line in to digital out	90 dB, 20 Hz to 20 kHz at maximum output (unweighted)
Digital in to line out	100 dB, 20 Hz to 20 kHz at maximum output (unweighted)
Digital in to speaker out	100 dB, 20 Hz to 1 kHz at maximum output (unweighted)
Crosstalk	<-90 dB @ 1 kHz, fully loaded
Volume control.....	-100 dB to 0 dB (control 0 to 100 in 0.1 dB steps)

Audio input (mic/line inputs)

Number/signal type.....	2 mono, line, balanced/unbalanced
Connectors.....	(2) 3.5 mm captive screw connectors, 5 pole, mono, balanced/unbalanced
Impedance.....	>10k ohms unbalanced/balanced
Nominal level.....	+4 dBu, -10 dBV adjustable via input gain
Maximum level.....	+21 dBu at rated THD+N when input gain is set to 0 dB
CMRR.....	>60 dB typical
Input gain adjustment.....	-18 dB to +24 dB in 0.1 dB steps, adjustable per input

Audio line output

Number/signal type.....	2 mono, line, balanced/unbalanced
Connectors.....	(1) 3.5 mm captive screw connector, 6 pole
Impedance.....	100 ohms balanced, 50 ohms unbalanced
Gain error.....	± 0.1 dB channel to channel
Maximum level (Hi-Z).....	>+21 dBu balanced; +15 dBu unbalanced

Audio processing

D/A conversion	24 bit, 48 kHz
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Specifications • NetPA U 8001 SUB (Continued)

AT port – Audio Transport

Transmission type	Dante/AES-67, software selectable
Connectivity	1 RJ-45 connector, 1-port 100 Mbps to Dante interface
Inputs	2 channels Rx
Outputs	2 channel Tx
Audio format	24-bit uncompressed, selectable at 44.1, 48, 88.2, and 96 kHz sampling rate
Latency.....	Deterministic, based on user selection: 1.0 ms (default), 2.0 ms, 5.0 ms

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

Audio speaker output

Number/signal type.....	1 channel, 2, 4, or 8 ohms
Connector.....	(1) 5 mm screw lock captive screw connector, 2-pole

NOTE: This connector accepts wires of 22 AWG to 12 AWG

Load impedance.....	8 ohms minimum
Amplifier type.....	Class D
Output power	
8 ohms.....	800 watts, 8 ohms, 100 Hz, <0.1% THD
4 ohms.....	650 watts, 4 ohms, 100 Hz, <0.1% THD
2 ohms.....	325 watts, 2 ohms, 100 Hz, <0.1% THD

Control/remote

Control port	(1) 3.5 mm captive screw connector, 5 pole
Serial	
Serial host control port	1 bidirectional RS-232
Baud rate and protocol.....	38400 baud, 8 data bits, 1 stop bit, no parity
Pin configuration.....	Pin 1 = Tx, Pin 2 = Rx, Pin 3 = Gnd
Standby	
Standby power control	Contact closure
Pin configuration.....	Pin 4 = Gnd, Pin 5 = Standby
USB control port	1 rear panel female USB mini B
USB standards	USB 2.0, high speed
Ethernet host port.....	1 RJ-45 female connector
Ethernet data rate	10/100Base-T
Program control.....	Configuration program for Windows®, Extron Simple Instruction Set (SIS™)

General

Power supply.....	Internal
	Input: 100-240 VAC, 50-60 Hz, 0.5 A

Power consumption and thermal dissipation

NetPA U 8001 SUB	115 VAC, 60Hz					230 VAC, 50Hz			
	AC Line Current	AC Power Consumed	Thermal Dissipation		AC Line Current	AC Power Consumed	Thermal Dissipation		
Condition	A	W	W	BTU/hr	A	W	W	BTU/hr	
Active (1/8 power), all channels driven	8 Ω	1.1	121	21	72	0.6	118.7	18.7	64
	4 Ω	1.0	104.7	23.5	80	0.6	102.8	21.6	74
	2 Ω	0.6	61.1	20.5	70	0.4	60	19.4	66
Quiescent (idle)	0.2	10.4	10.4	35	0.2	10.2	10.2	35	
Standby	<0.1	<4	<4	<14	<0.1	<4	<4	<14	

Temperature/humidity

Storage	-40 to +158 °F (-40 to +70 °C) / 10% to 90%, non-condensing
Operating	+32° to +122° F (0° to +50° C) / 10% to 90%, non-condensing

Specifications • NetPA U 8001 SUB (Continued)

Cooling	Convection, no vents
Protection	Clip limiter, thermal, short circuit, DC output
Indication	Limiter/Protect LED indicates the onset of clip limiting, thermal cycling, or a short circuit. Power LED indicates power state, DC output protection (see <i>NetPA U 8001 SUB User Guide</i> for details).
Mounting	
Rack mount.....	Yes, with included brackets or optional 1U rack shelf
Subwoofer mount.....	Yes, with optional mounting hardware (included with SF 10C SUB)
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.7" W x 10.5" D (1U high, half rack wide) (43 mm H x 221 mm W x 267 mm D)
Product weight	4.2 lbs (1.9 kg)
Regulatory compliance.....	CE, C-Tick, c-UL, EN 55103-1, EN 55103-2, FCC Class B, ICES, UL, VCCI Class B. Meets UL 60065, IEC 60065, and BSEN 60065 for AV equipment. Complies with the appropriate requirements of ENERGY STAR® (ENERGY STAR qualified amplifier), RoHS, WEEE.
Product warranty	3 years parts and labor
Everlast power supply warranty.....	3 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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