

Specifications

MPA 152 Plus

Audio

Voltage gain	
Balanced	25x (28 dB)
Unbalanced	50x (34 dB)
Stereo channel separation.....	>60 dB @ 1 kHz
CMRR.....	74 dB (typical) @ 1 kHz
Bass adjustment	±10 dB @ 80 Hz (reference) to 1 kHz (2 dB tolerance)
Treble adjustment.....	±10 dB @ 10 kHz (reference) to 1 kHz (2 dB tolerance)

Audio input

Number/signal type.....	1 stereo, balanced/unbalanced input 2 stereo, unbalanced inputs (The three inputs are individually buffered and summed together.)
Connectors	(1) 3.5 mm captive screw connector, 5 pole (main input) (1) 3.5 mm mini audio jack (tip, ring, sleeve) 1 pair female RCA
Impedance.....	>10k ohms unbalanced/balanced, DC coupled
Maximum level	
RCA and TRS inputs	+9 dBV (unbalanced) at 1% THD+N
Captive screw input.....	+12 dBu (balanced) at 1% THD+N
Input sensitivity	
Balanced	-8 dBu
Unbalanced	-16 dBV
Input signal detection threshold.....	RCA and mini audio jacks: -53 dBV (2.24 mV) ±3 dB, unbalanced Captive screw connector: -46 dBu (3.88 mV) ±3 dB, balanced

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

Audio output

Number/signal type.....	1 stereo or 2 mono (2 channels total)
Connector.....	(1) 5 mm captive screw connector, 4 pole
Load impedance.....	4 ohms, minimum
Amplifier type	Class D
Output power	8 watts rms per channel, 8 ohms, 1 kHz, 1% THD 15 watts rms per channel, 4 ohms, 1 kHz, 1% THD
Frequency response	20 Hz to 20 kHz, +1/-3 dB @ 8 ohms
THD + Noise	<0.1% -3dB below clipping @ 1 kHz, 8 ohm load
S/N	90 dB, 20 Hz to 20 kHz, unweighted
Damping factor	>100 at 8 ohms

Communications — amplifier

Control port	(1) 3.5 mm captive screw connector, 3 pole
Pin configuration	Pin 1 = +10 VDC, 50 mA (max.), pin 2 = volume/mute (variable voltage), pin 3 = GND
Volume control voltage range	0 V (mute) to 10 V (maximum volume)

General

Power supply External
 Input: 100-240 VAC, 50-60 Hz
 Output: 12 VDC, 2 A, 24 watts

Power consumption and thermal dissipation

		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	8Ω	0.1	5.8	3.8	13	0.1	5.9	3.9	13
	4Ω	0.1	7.8	4.1	14	0.1	7.8	4.1	14
Quiescent (idle)		0.1	3.4	3.4	12	0.1	3.4	3.4	12
Standby		<0.1	<1	<1	<3	<0.1	<1	<1	<3

NOTE: Standby is triggered after 25 minutes (±5 minutes) with no signal

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 or back of rack mounting kit

Furniture mount..... Yes, with optional mini under desk mounting kit

Pole mount..... Yes, with optional pole mounting 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.)

Product weight 0.6 lbs (0.3 kg)

Regulatory compliance..... BSMI, CCC, CE, C-tick, c-UL, FCC Class B, ICES, KC, RoHS, UL VCCI, WEEE
 UL rated for use in plenum airspaces: meets UL 2043 for heat and smoke release, excluding the power supply; meets UL/IEC 62368-1 for safety.
 Complies with the appropriate requirements of CEC, ENERGY STAR® (ENERGY STAR qualified amplifier), EU code of conduct

Product warranty 3 years parts and labor

Everlast power supply warranty..... 7 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

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

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