

Voce

AV 5.1k

1650 W POWER AMPLIFIER
Five-Channel Power Amplifier
with Crossover



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in Italia



AV 5.1k, 1650 W (RMS) max, five-channels: with its hybrid design, it is the specialist amplifier for front + rear + subwoofer or multi-amplified front + subwoofer systems. Its high-quality AB Class output stage provides two channels with 250 W (RMS), combined with another pair of A class pure audio channels rated at 75 W (RMS), perfect for active two-way front speaker systems. The D Class mono section provides 1000 W (RMS) for a powerful subwoofer output. AV 5.1k also allows you to replace the analog input board with the digital one (AV bit IN).

POWER SUPPLY

Power supply voltage:	11 ÷ 15 VDC
Idling current:	3 A
Idling current when off:	0.02 mA
Consumption @ 14.4 VDC (Max Musical Power):	110 A

AMPLIFIER STAGE

Distortion - THD (1k Hz @ 4Ω) A, B Ch:	0.05 %
Distortion - THD (100 Hz @ 4Ω), C (sub) Ch:	0.3 %
Bandwidth (-3 dB) A, B Ch:	4 ÷ 60k Hz
Bandwidth (-3 dB) C (sub) Ch:	7 ÷ 350 Hz
S/N ratio (A weighted @ 1V) A, B Ch:	100 dB
S/N ratio (A weighted @ 1V) C (sub) Ch:	87 dB
Damping factor (1k Hz @ 4Ω) A, B Ch:	100
Damping factor (100 Hz @ 4Ω) C (sub) Ch:	80
Input sensitivity:	0.3 ÷ 5 V RMS
Input impedance:	15k Ω
Speaker-In sensitivity:	1.4 ÷ 24 V RMS
Speaker-In impedance:	5k Ω
Minimum load impedance A / B / C Ch:	4Ω / 2Ω / 2Ω
NOMINAL POWER (RMS) A + B + C Ch @ 12 VDC, THD 0,3%, 4Ω:	50 W x 2 + 120 W x 2 + 500 W x 1

OUTPUT POWER (RMS) A + B + C Ch @ 14.4 VDC, THD 1%:

- 5 Ch: 75 W x 2 (4Ω) + 140 W x 2 (4Ω) + 600 W x 1 (4Ω)
- 5 Ch: 75 W x 2 (4Ω) + 140 W x 2 (4Ω) + 1000 W x 1 (2Ω)
- 5 Ch: 75 W x 2 (4Ω) + 250 W x 2 (2Ω) + 1000 W x 1 (2Ω)

CEA SPECIFICATIONS



Output power @ 4Ω, 1% THD+N, 14.4 V:	75 W x 2 + 140 W x 2 + 600 W x 1
SN ratio (ref. 1W output):	75 W Channels: 80 dBA 140 W Channels: 80 dBA 600 W Channels: 78 dBA

SIGNALS INPUTS / FILTERS

Inputs:	Pre IN / Speakers IN
Outputs:	Pre OUT Full Range
A Ch Filters (Full / Hi-Pass):	50 ÷ 5k Hz (2 range) @ 12 dB/Oct.
B Ch Filters (Full / Hi-Pass / Band-Pass):	50 ÷ 1k Hz (Hi) / 250 ÷ 5k (Lo) @ 12 dB/Oct.
C Ch Filters (Full / Lo-Pass):	50 ÷ 150 Hz @ 24 dB/Oct.

OTHER FUNCTIONS

Remote IN:	7 ÷ 15 VDC - 1mA
Remote OUT:	12 VDC - 50mA
Fuse (Strip type):	100 A
Remote SUB volume adj.:	(-50 ÷ 6) dB
Speakers IN Turn-on (ART):	Selectable

SIZE / WEIGHT

Max size (mm/inches):	220 x 470 x 58 / 8,66" x 18,50" x 2,28"
Weight (kg/lb):	7.2 / 15.87



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FILTERS

Speaker Output			Signal Input and Switch		
C channels	B channels	A channels	C input	B input	A input
<p>Lo-Pass 24 dB 50÷150 Hz</p>	<p>Hi-Pass 50÷1k Hz</p>	<p>Hi-Pass 50÷5k Hz</p>	<p>SUB A+B</p>	<p>A (Pre-out) B</p>	INPUT
<p>Lo-Pass 24 dB 50÷150 Hz</p>	<p>Band-Pass 50÷1k Hz 250÷5k Hz</p>	<p>Hi-Pass 50÷5k Hz</p>	<p>SUB A+B</p>	<p>A (Pre-out) B</p>	INPUT
<p>By-Pass</p>	<p>By-Pass</p>	<p>By-Pass</p>	<p>SUB A+B</p>	<p>A (Pre-out) B</p>	INPUT