

Voce

AV quattro

800 W POWER AMPLIFIER
 Four-Channel Power Amplifier
 with Crossover




 ideato,
 progettato,
 ingegnerizzato
 in Italia

AV quattro is a four-channel amplifier which can work in four, three, two channel mode, delivering 800 W (RMS) power total. It is designed in order to handle complex configurations as front/rear and multi-channel systems. Inputs and ART™ ensure interfacing with every type of source; up to 24 dB/Oct. slope crossovers allow to build front-rear, front-sub or multi-amplified systems always having a non-filtered output signal to expand the system. AV quattro 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:	1.8 A
Idling current when off:	0.02 mA
Consumption @ 14.4 VDC (Max Musical Power):	55 A

AMPLIFIER STAGE

Distortion - THD (1kHz @ 4Ω):	0.04 %
Bandwidth (-3 dB):	4 ÷ 60k Hz
S/N ratio (A weighted @ 1V):	100 dBA
Damping factor (1k Hz @ 4Ω):	100
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:	2Ω
NOMINAL POWER (RMS) @ 12 VDC, THD 0.3%, 4Ω:	100 W
OUTPUT POWER (RMS) @ 14.4 VDC, THD 1%:	
• 4 Ch:	120 W x 4 (4Ω)
• 4 Ch:	200 W x 4 (2Ω)
• 4 Ch:	120 W x 2 (4Ω) + 200 W x 2 (2Ω)
• 3 Ch:	120 W x 2 (4Ω) + 400 W x 1 (4Ω)
• 3 Ch:	200 W x 2 (2Ω) + 400 W x 1 (4Ω)
• 2 Ch:	400 W x 1 (4Ω) + 400 W x 1 (4Ω)

CEA SPECIFICATIONS

 Output power @ 4Ω, 1% THD+N, 14.4 V: 120 W x 4 Ch
SN ratio (ref. 1 W output): 80 dBA

SIGNALS INPUTS / FILTERS

Inputs:	Pre IN / Speakers IN
Outputs:	Pre OUT Full Range
A Ch & B Ch Filters (Full / Hi-Pass / Lo-Pass):	50 ÷ 50k Hz (2 range) @ 12 dB/Oct.
B Ch Filter (Lo-Pass 24 dB mono):	50 ÷ 500 Hz @ 24 dB/Oct.

OTHER FUNCTIONS

Remote IN:	7 ÷ 15 VDC - 1mA
Remote OUT:	12 VDC - 50mA
Fuse (Strip type):	60 A
Remote SUB volume adj. (B Ch Lo-Pass 24 dB):	(-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	
B channels	A channels	B input	A input
<p>Hi-Pass 50÷5k Hz</p>	<p>Hi-Pass 50÷5k Hz</p>	<p>A B</p>	INPUT
<p>Lo-Pass 12/24 dB 50÷5k Hz</p>	<p>Lo-Pass 50÷5k Hz</p>	<p>A B</p>	INPUT
<p>By-Pass</p>	<p>By-Pass</p>	<p>A B</p>	INPUT