

Voce AV quattro

800 W POWER AMPLIFIER
Four Channel Power Amplifier
with Crossover

PRELIMINARY



ideato,
progettato,
ingegnerizzato
in Italia



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 (1k Hz @ 4Ω):	0.04 %
Bandwidth (-3 dB):	4 ÷ 80k Hz
S/N ratio (A weighted, @ 1V):	100 dBA
Damping factor (1k Hz @ 4Ω):	100
Input sensitivity:	0.3 ÷ 5 VRMS
Input impedance:	15k Ω
Speaker-In sensitivity:	1.4 ÷ 24 VRMS
Speaker-In impedance:	5k Ω
Load impedance (Min):	2 Ω
NOMINAL OUTPUT POWER (RMS) NP @ 12VDC; THD 0,3%:	110 W (4Ω)

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



AV quattro is a four channel amplifier which can work in four, three, two channel mode, delivering 800 W bursting 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 24dB/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).

Other functions

Remote IN:	7 ÷ 15 VDC - 1mA
Remote OUT:	12 VDC - 50mA
Fuse (AFS):	100 A
Input for remote SUB volume:	Active with B ch. Lo-pass 24dB L+R
Adjustment:	(-50) ÷ (+6) dB

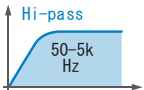
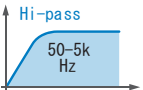
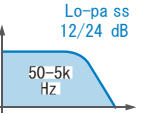
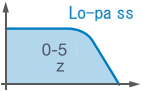
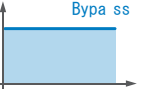
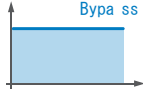
Inputs / Filters

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

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

Filters

Speaker Output		Signals Inputs and Selector	
B channels	A channels	B input	A input
			INPUT
			INPUT
			INPUT

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