

PRELIMINARY



ideato,
progettato,
ingegnerizzato
in Italia



VOCE

AV uno

1600 W POWER AMPLIFIER
Mono Power Amplifier with Crossover

Power Supply

Power supply voltage:	11 ÷ 15 VDC
Idling current:	3.5 A
Idling current when off:	0.02 mA
Consumption @ 14.4 VDC (Max Musical Power):	200 A

Amplifier stage

Distortion - THD (1kHz @ 4Ω):	0.04 %
Bandwidth (-3 dB):	7 ÷ 20k Hz
S/N ratio (A weighted @ 1V):	80 dBA
Damping factor (1k Hz @ 4Ω):	120
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):	1 Ω
NOMINAL OUTPUT POWER (RMS) NP @ 12VDC; THD1%:	600 W x 1

OUTPUT POWER (RMS) @ 14.4 VDC, THD 1% :	
• 1 Ch	700 W x 1(4Ω)
• 1 Ch	1200 W x 1(2Ω)
• 1 Ch	1600 W x 1(1Ω)

CEA SPECIFICATIONS

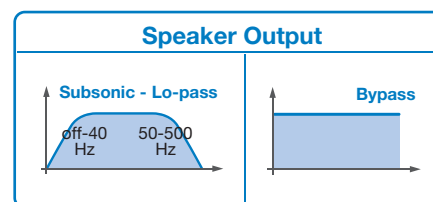
Output power @ 4 Ω, 1% THD+N, 14.4 V: 700 W x 1 Ch	
SN ratio (ref. 1 W output):	

Other functions

Remote IN:	7 ÷ 15 VDC - 1mA
Remote OUT:	12 VDC - 50mA
Fuse (AFS):	150 A
Input for remote SUB volume:	Adjustment (-50) ÷ (+6) dB

AV uno is an amplifier featuring an innovative circuitry called POD (Power On Demand). It allows to combine the plus points, in terms of audio quality and robustness, of the AB Class traditional amplifiers with the efficiency of the D Class modern amplifiers. AV uno is a mono amplifier designed to drive the subwoofer but also suitable for high power Dual Mono systems. Power, control and outstanding final stages are necessary to unbelievable bass and extraordinary musical quality on the whole frequency range. AV uno also allows you to replace the analog input board with the digital one (AV bit IN).

Filters



Inputs / Filters

Inputs:	Pre IN / Speakers IN
Outputs:	PRE OUT
Filters: Full/Lo Pass	50 ÷ 500 Hz @ 24dB Oct.
Phase:	Continuous 0 ÷ 180
Polarity	Normal - Inverted
Bass boost:	50-70-90 Hz 0÷6 dB
Subsonic: Hi Pass	Off ÷ 40 Hz @ 24dB Oct.
Remote SUB volume:	(-50) ÷ 0 ÷ (+6) dB

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