



ideato,  
progettato,  
ingegnerizzato  
in Italia

## AP8.9 bit

Amplificatore con 8 canali di potenza e processore integrato a 9 canali

L'amplificatore AP8.9 bit è dedicato all'OEM Integration. Il potente software di gestione permette di acquisire i bit Drive preset messi a punto dal team di ricerca Audison in modo specifico per la vettura. L'innovativo stadio di alimentazione ha permesso di ottenere in un case estremamente compatto una potenza totale di 520 W. Il nono canale non amplificabile può essere sfruttato per pilotare un subwoofer tramite l'amplificatore mono.



### POWER SUPPLY

Voltage:	7.5 ÷ 15 VDC
Idling current:	1.5 A
Switched off:	<0.04 mA
Consumption @ 14.4 VDC 2Ω Max Musical Power (without CPL):	30 A
Remote IN	7 ÷ 15 VDC (1 mA)
Remote OUT	11 ÷ 15 VDC (200 mA)
Fuse	30 A
ART (Automatic Remote Turn on/off)	Speakers to input - selectable
AST (Automatic Signal Turn on/off)	Pre-In to input - selectable
CPL (Continuous Power Limiting)	Max continuous power - selectable

### AMPLIFIER STAGE

Distortion - THD (1kHz @ 4Ω, 90% Power):	0.05 %
Bandwidth (-3 dB, 2 V RMS, 4Ω):	10 ÷ 22k Hz
S/N ratio @ A weighted, 1V, Max Power:	95 dBA
Damping factor @ 1 kHz, 2 V RMS, 4Ω):	>70
Input sensitivity:	2 ÷ 15 V RMS
Input impedance:	15k Ω
LOAD IMPEDANCE (MIN):	
• 8 Ch:	2Ω
• 4 Ch - Bridge (1-2) (3-4) (5-6) (7-8):	4Ω
OUTPUT POWER (RMS) @ 12.0 ÷ 14.4 VDC, 1% THD:	
• 8 Ch @ 4Ω:	35 W x 8
• 8 Ch @ 2Ω:	65 W x 8
• 4 Ch - (Bridge 1/2; 3/4; 5/6; 7/8) @ 4Ω:	130 W x 4
OUTPUT POWER (RMS) @ 14.4 VDC, 10% THD:	
• 8 Ch @ 4Ω:	45 W x 8
• 8 Ch @ 2Ω:	85 W x 8
• 4 Ch - (Bridge 1/2; 3/4; 5/6; 7/8) @ 4Ω:	170 W x 4

### CEA SPECIFICATIONS



Output power @ 4Ω, ≤1% THD+N, 14.4 V:	35 W x 8 Ch
SN ratio (ref. 1 W output):	85 dB A

### SIGNAL CONNECTION

Sub Out (RCA Pre-Out)	0÷4V RMS Max
Input Stage:	
• Config 1	Hi / Lo level FL-FR-RL-RR + N.2 customizable
• Config 2	Hi/Lo level FL-FR-RL-RR+Stereo Aux In (DRC select.)
• Optical IN (max 96 kHz/24 bit)	S/P-DIF PCM 96 kHz/24 bit max

### DIGITAL SIGNAL PROCESSOR

(32 bit Cirrus Logic; Clock speed: 147 MHz)

Crossover:	Full / Hi Pass / Lo Pass / Band Pass
Crossover type and slope:	Linkwitz @ 12/24 dB - Butterworth @ 6/12/18/24 dB
Crossover Frequency:	68 steps @ 20 ÷ 20k Hz
Phase inversion:	0° / 180°
Analogic Inputs Equalizer:	Automatic De-Equalization
Outputs Equalizer	N.9 Parametrics Equalizers: ±12 dB;10 pole; 20 ÷ 20k Hz
Time Alignment Distance	0 ÷ 510 cm / 0 ÷ 200.8 in.
Time Alignment Delay	0 ÷ 15 ms
Time Alignment Step	0,08 ms; 2,8 cm / 1.1 in.
Time Alignment Fine set	0,02 ms; 0,7 cm / 0.27 in.
SYSTEM SET:	
Preset (Drive Preset)	Rotary switch for 7 installation Presets
Acoustical Preset	N.2 DSP Memory, DRC selectable

### CONTROL CONNECTION

From / to personal computer	1 x micro USB-B
To Audison Electronics	DRC controls
ASP	Automatic Speaker Presence
Optical / AUX select	12V control for Optical In / AUX enable
Master enable	12V control for Master In enable

### GENERAL REQUIREMENTS

PC connections	Micro USB (1.1 / 2.0 / 3.0)
Software/PC requirements:	Microsoft Windows (32/64 bit): XP, Vista, Windows 7, Windows 8
Graphic card min. resolution:	800 x 600
Ambient temperature range Operating:	0 °C to 55 °C (32°F to 131°F)

### SIZE / WEIGHT

Max size (mm/in.):	191 x34 x 131 / 7.51 x1.33x4.76
Weight (kg/lb):	1.5 / 3.7