prima audison

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ideato, progettato, ingegnerizzato in Italia

AP8.9 bit

AP8.9bitは純正オーディオ・システムから最高のサウンド・クオリティを引き出すためAudison R&Dチームが開発したアンプです。様々な設定をあらかじめ本体にプリセットとして準備しており、ご希望のシステムに合わせてお選びいただくことができます。革新的なパワーサプライがトータル520Wの出力を非常にコンパクトな筐体に収めることを実現し、サブウーファー用のプリアウトからモノアンプのAP1D等に接続すればさらにパフォーマンスを拡張することができます。

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-Equalizzation
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 x 34 x 131 / 7.51 x 1.33 x 4.76
Weight (kg/lb):	1.5 / 3.7

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