

Prima



## AP F8.9 bit

High-power 8 channels amplifier with  
9-channel built-in processor

The AP F8.9 bit amplifier, delivering **8 \* 85 W** or **4 \* 260 W** (RMS @ 4Ω), is dedicated to OEM Integration where high power is required. The integrated nine-channel DSP includes a guided setup routine to set up OEM sources input level and de-equalization. The AP F8.9 bit features **7 pre-configured DSP presets** selectable via rotary switch for a **Plug & Sound experience**. The ninth channel pre-out is perfect to drive a mono amplifier (AP F1D/AP 1D) or an active subwoofer (APBX 10 AS2).



POWER SUPPLY	
Power supply voltage / fuse	11 ÷ 15 VDC / 2 x 30A
Operating power supply voltage	6.5V ÷ 17V
Idling current	1.6 A
Switched off without DRC	1.7mA
Switched off with DRC	5 mA
Consumption @ 14.4 VDC, 2Ω, Max Musical Power	55 A
Remote IN	6 ÷ 15 VDC (1 mA)
Remote OUT	4 ÷ 15 VDC (150 mA)
ART - Automatic Remote Turn on/off from OUTPUT BTL speakers (Selectable)	2 ÷ 7 VDC
AST - Automatic Signal Turn on/off (Selectable)	Speaker-In
AMPLIFIER STAGE	
Distortion - THD @ 1 kHz, 4Ω, 70% Rated Power	0,06%
Damping factor @ 1 kHz, 4Ω, 2 VRMS	> 110
Bandwidth @ -1.5 dB	10Hz ÷ 22kHz
S/N ratio (A weighted @ 1 V Input) Master Input	100 dBA
S/N ratio (A weighted @ 1 V Input) Optical Input	105 dBA
Input sensitivity Pre-In	0.6 ÷ 6 VRMS
Input sensitivity Speaker-In	2.2 ÷ 22 VRMS
Minimum load impedance	8Ch: 2Ω 4Ch - (Bridge 1/2; 3/4; 5/6; 7/8) : 4Ω
OUTPUT CONTINUOUS POWER (RMS) @14.4 VDC, 1% THD:	
8Ch @ 4Ω	85 W x 8
8Ch @ 2Ω	130 W x 8
4Ch (Bridge 1/2; 3/4; 5/6; 7/8) @ 4Ω	260 W x 4
2Ch @ 4Ω	100 W x 2
2Ch @ 2Ω	150 W x 2
1Ch (Bridge) @ 4Ω	300 W x 1
OUTPUT IMPULSIVE POWER @14.4 VDC, 1% THD,:	
8Ch @ 4Ω	100 W x 8
8Ch @ 2Ω	150 W x 8
4Ch (Bridge) @ 4Ω	300 W x 4
INPUTS / OUTPUTS	
Pre-In Inputs	Ch1 ÷ Ch6 customizable
Speaker-In Inputs	Ch1 ÷ Ch6 customizable
Digital IN	1 x Optical S/PDIF; Max 192 kHz / 24 bit
Sub Out (RCA Pre Out)	4 VRMS



DIGITAL SIGNAL PROCESSOR	
Filter type	Full / Hi pass / Low Pass / Band Pass
Filter mode and slope	Linkwitz @ 12/24 dB Butterworth @ 6/12/18/24 dB
Crossover frequency	68 steps @ 20 ÷ 20k Hz
Phase control	0° / 180°
Bass Boost	N.1 Adjustable Parametric Pole
Analog Input Equalizer (20 ÷ 20k Hz)	Automatic De-Equalization
Output Equalizer	N.9 Parametrics Equalizers: ±12 dB; 10 pole; 20 ÷ 20k Hz
Time Alignment Distance	0 ÷ 510 cm / 0 ÷ 200.8 inches
Time Alignment Delay	0 ÷ 15 ms
Time Alignment Step	0.08 ms; 2.8 cm / 1.1 inch
Time Alignment Fine SET	0.02 ms; 0.7 cm / 0.27 inch
Preset (Drive Preset)	Rotary switch for 7 installation Presets
Acoustic Preset	N.2 DSP Memory, DRC selectable
CONTROL CONNECTIONS	
From / To Personal Computer	1 x Micro USB
To Audison DRC AB / MP	1 x AC Link
Optical select	Optical select wire control +12 V enable
Master enable	Master enable wire control +12 V enable
GENERAL REQUIREMENTS	
PC connections	Micro USB 1.1 / 2.0 / 3.0 Compatible
Software/ PC requirements	Microsoft Windows (32/64 bit): Vista, Windows 7, Windows 8, Windows 10
Video resolution with screen resize	min. 1024 x 600
Ambient operating temperature range	0 °C to 55 °C (32 °F to 131 °F)
SIZE	
Max size W x H x D (mm/inch)	238 x 49.5 x 155 / 9.37 x 1.95 x 6.1
Weight (kg/lbs)	1.98 / 4.36