

Prima



## AP F8.9 bit -24V

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 (AP1 D) or an active subwoofer (APBX 10 AS).



| POWER SUPPLY   |   |
|--|---|
| Power supply voltage / fuse  | 22 ÷ 34 VDC / 2 x 15 A                            |
| Operating power supply voltage   | 14 ÷ 36 VDC                                       |
| Idling current   | 0,96 A  |
| Switched off without DRC   | 1,6 mA  |
| Switched off with DRC  | 5 mA  |
| Consumption @ 28.8 VDC, MIN load impedance (Max Musical Power)           | 27,5 A  |
| Remote IN  | 6 ÷ 34 VDC  |
| Remote OUT   | 14 ÷ 34 VDC                                       |
| 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<br>4Ch - (Bridge 1/2; 3/4; 5/6; 7/8) : 4Ω |
| OUTPUT 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   |
| 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<br>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  |