

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



| 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 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 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 |