

AT-PA-AM4X200DSP

Power Amplifier with DSP & DANTE

DESCRIPTION

AT-PA-AM4X200DSP is affordable audio amplification in both fixed and commercial audio installations. The DSP processor in combination with remote management software gives user friendly experience with intuitive functions overview for easy configuration. The installation of this Dante network amplifier with DSP allows receiving and sending of low latency, high quality audio over a standard Ethernet network.



FEATURES

- 0dBu/6dBu sensitivity adjustment for each input
- Support 100V, 70V & 8 Ohm and Bridge modes
- Built-in DSP with EQ, gain control, crossover, delay, limiter, high-pass filter & low-cut filter
- 31 bands of input PEQ and 10 bands of output PEQ
- 30 pre sets of DSP (Digital Signal Processor)
- DSP amplifier device can support 8 (7+1) preset
- DSP software can be operated in WIN11/WIN10/WIN8/WIN7 system smoothly
- 4 Input 4 Output Dante network module and 4 In 4 Out Matrix DSP Module
- Support software select working mode: stereo, bridge, mono, free matrix
- Control Interface : USB and RJ45 by TCP/IP protocol, configuring RS232, RS485 central control interface, supporting GPIO external expansion control interface
- Support Mconsole and app TCON network control
- Support Constant Pressure and Resistance : 100V, 70V, 8 Ohm, 4 Ohm
- Support polarity, signal routing, power-off memory function
- 1U height 19" rack mount type power amplifier

PUBLIC ADDRESS SYSTEM

TECHNICAL SPECIFICATION

| | |
|----------------------------|---|
| <i>Description</i> | Four Channel Power Amplifier with DSP & Dante |
| <i>Rated Power 8 Ohm</i> | 4 x 200W |
| <i>Bridge Output 8 Ohm</i> | 600W |
| <i>Speaker Output</i> | 4 Ω, 8 Ω & 100v, 70v, mono, free matrix, stereo, bridge |
| <i>DSP</i> | EQ, gain control, crossover, delay, limiter, high-pass filter & low-cut filter, Butterworth, Bessel, Linkwitz6 ~ 24 Mini USB for configure, monitoring & control via fully manageable remote PC software |
| <i>Frequency Response</i> | L/H Cut OFF 20Hz-20KHz (+1/-2dB) L/H Cut ON 70Hz-10KHz (+1/-3dB) |
| <i>Input</i> | 6dBu, Max. 16dBu (4.9V), balanced XLR by four channels |
| <i>THD</i> | <0.1% (1KHZ/-3dBv, 300W) |
| <i>S/N Ratio</i> | 6dBu: 94dB, 0dBu: 94Db |
| <i>Crosstalk</i> | <-70dB |
| <i>Gain Control</i> | 6dBu: 30dB (29.5 times), 0dBu: 36dB (31.1 times) |
| <i>Protection</i> | DSP limiter, high temperature, DC, high frequency, short circuit, back EMF, Peak current limiter, Back EMF, Surge current limiter, startup delay, power circuit breaker protection, power overvoltage, under voltage protection |
| <i>Display</i> | 240x240 pixel, IPS LCD colorful English Display |
| <i>Power Consumption</i> | 1000W |
| <i>Power Supply</i> | AC Input switchable between 180~260V, 50-60Hz |
| <i>Dimension</i> | 484x300x44 mm |
| <i>Weight</i> | 5.4 Kg |
| <i>Input PEQ</i> | 31 PEQS |
| <i>Output PEQ</i> | 10 PEQS |
| <i>Crossover</i> | Butterworth, Bessel, Linkwitz6~24 |
| <i>Output Delay</i> | Input Delay: 2 x 80 ms / Output Delay: 4 x 20 ms |
| <i>Output Compressor</i> | Knee, Treshold, Attack, Ratio, Release |
| <i>Ouput Limiter</i> | Threshold-90dBu~21dBu, release 1~2895ms |
| <i>DSP Presets</i> | 30 (one for factory preset) |
| <i>Control port</i> | USB, RS485, RS232, GPIO (shall be customized and unavailable now) |