

Core Technology: Precision Control & Remote Management

Integrate a dedicated DSP engine to execute precision signal alignment and system-level preset filtering. Network communication over standard UDP protocol enables comprehensive remote monitoring, parameter tuning, and fault reporting over a single CAT cable, while the field-proven circuit architecture and multi-loop feedback control algorithm ensure massive power headroom and rock-solid operational stability.

Performance Highlights: Heavy-Duty Reliability & Operational Ease

Optimize circuit topology to minimize total harmonic distortion and signal loss, ensuring ultra-pure acoustic reproduction across both spoken-word and dynamic music reinforcement. Selected premium-grade components guarantee continuous heavy-duty operation to reduce field failures in fixed installations, while universal speaker preset compatibility and an intuitive user interface deliver effortless system integration.

Fixed Installation Optimization: Compact Footprint & Thermal Efficiency

Engineer a ultra-compact chassis footprint to maximize rack density and fit into restricted equipment spaces, featuring standard rack-mount compatibility for rapid field installation. The advanced thermal management system balances high power density with forced-air cooling, ensuring stable continuous operation even within enclosed, unventilated rack environments.

SPS & Class D

Topology

4 x 800W 8Ω 4 x 1,200W 4Ω 2 x 1,800W 8Ω

Max. Output Power

Analog

Digital Audio Signal

ADI Audio DSP

Digital Signal Processors

REYN AUDIO AMP Controller

Control And Monitoring Software

5.4 kg (11.9 lbs)

Net Weight

Technical Specifications:

Output Channels	4 mono bridgeable per ch. pair
Total Peak Power	3,600 W
Max. Output Voltage	80 V
Max. Output Power	4x800W RMS @8Ω (Stereo mode) 4x1,200W RMS @4Ω (Stereo mode) 2x1,800W RMS @8Ω (Bridge mode)
Bandwidth	20Hz-20KHz(<±0.5dB,1W@8Ω)
THD+N	Typical value:0.05% (10% nominal output power,1 kHz,8Ω)
Noise Floor	<-65 dB (A weight,20 Hz - 20 kHz,8Ω)
Crosstalk rejection	>75 dB (Sub-rated power threshold,20 Hz - 1 kHz,8Ω)
Crosstalk	20kΩ (balanced) 10kΩ (non-balanced)
Maximum Input Level	+22dBu
Input Signal	Analog
Protection	overheat voltage limit, overload protection, output DC protection
Loudspeaker Management	Integrated factory DSP preset library for REYNAUDIO K Series , RA Series ,and B Series loudspeakers.
Control & Monitoring Software	REYNAUDIO AMP Controller
DSP (Digital Signal Processor)	Analog Devices audio dedicated DSP
System Latency (Analog Input)	1.52ms

Adjustable Delay	0-160ms
Sampling Rate	96 kHz/24 Bit ADC/24 Bit DAC
Equalization (EQ)	7-band PEQ
Protection Limiters	Peak limiter
Mains Voltage	100-240V(±10%) , 50/60Hz switching mode power supply with power factor correction (PFC)
Signal Interfaces	4 x 3-pin XLR analog inputs
Control Ports	1 x 100Mbps Ethernet port RJ45 ,communication control signals
Output Connectivity	2x 4-points Speakon®
Mains Connector	IEC plug
Power Switch	Physical power switch
Front Panel Display	1.8-inch TFT LCD color display for real-time telemetry, backed by physical navigation buttons
Housing Finish	High-grade aluminum-magnesium alloy with powder-coated finish and anodized front panel.
Operating Temperature	0°-40 C
Product Code	12120603209372
Dimensions (W x H x D) mm	483x45x299 mm (19.0"x1.8"x11.8")

Dimensional Drawing:

