



# A32 POWER AMPLIFIER

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Data Sheet

RipaTech Pty Ltd

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## PRODUCT SUMMARY

This 1U high-performance power amplifier is designed for high-density rack environments, combining a lightweight footprint with robust protection circuitry and high-fidelity output.











Figure 1 A32 Power Amplifier

## FEATURE AND TECHNICAL SPECIFICATIONS

### Audio Performance Specifications

Parameter	Specification
Rated Power RMS (8Ω)	2 × 200 W
Rated Power RMS (4Ω)	2 × 400 W
Rated Power RMS (Bridged 8Ω)	400 W
Frequency Response	20 Hz – 20 kHz ±0.5 dB
Voltage Gain	33 dB
Signal-to-Noise Ratio (S/N)	≥96 dB
Total Harmonic Distortion (THD)	≤0.03%
Input Impedance	20 kΩ (balanced) / 10 kΩ (unbalanced)
Damping Factor (5 Hz – 1 kHz)	>450
Slew Rate	13 V/μs

### Protection & Safety Features

-  Clipping Limiting
  -  Short-Circuit Protection
  -  Overheat Thermal Protection
  -  DC Output Protection
  -  EMI/RF Interference Filter
  -  Subsonic Frequency Protection
  -  Soft-Start Power-Up Sequence
  -  Intelligent Comprehensive Electronic Protection Circuitry
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### Connectivity & I/O

Interface	Type
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<b>Input Connectors</b>	XLR (balanced/unbalanced compatible)
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<b>Output Connectors</b>	Speakon® Professional Speaker Sockets
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<b>Signal Path</b>	Balanced XLR Input → Amplifier Stage → Speakon Output
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### Power Supply

Parameter	Specification
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<b>AC Input Voltage</b>	220–240 V
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<b>Frequency</b>	50/60 Hz
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**Power Consumption** *Refer to operational load conditions*



## A32 power amplifier

### Mechanical Specifications

**Parameter**      **Specification**

**Chassis Height** 1U (Rack-mountable)

**Weight**            3.2 kg

**Construction** Professional-grade metal chassis

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### Application Notes

- Ideal for professional audio installations, live sound reinforcement, and studio monitoring
- Bridged mode enables higher power delivery to single 8Ω loads
- Low THD and wide frequency response ensure high-fidelity signal reproduction
- Comprehensive protection suite ensures reliable operation under demanding conditions
- 1U rack height optimizes space efficiency in equipment racks

## ORDERING GUIDE

RipaTech product Model: RIPA A32 POWER AMPLIFIER