



Exceptional Audio Performance

Datasheet

FFA-2004



A New addition to our four channel power amplifier range

OVERVIEW

The FFA-2004 has 4 channels with output up to 1000 W connected to a 2 Ohm load. It has the same thermal capacity and power supply components as used in the higher power models in the range the FFA-4004 and FFA-6004. This gives the FFA-2004 very high thermal capacity and increased reliability so is ideal for installation in very demanding installations. Audio performance is excellent and the punchy sound gives the impression of more power than specified.

KEY FEATURES

- 4 x 250 Watts ref 8 Ohms / 4 x 500 Watts ref 4 Ohms
- Exceptional sound quality
- G2 DSP option
- Mains power efficient and cool running
- Rugged Tour class Aluminium construction
- Light weight - 9 kg
- FFA Class D PWM
- High current switch mode power supply
- Superb limiter
- 4 XLR analogue audio inputs
- 4 XLR parallel outputs.
- Bi amp Neutrik® speakON outputs
- Signal Link through
- Neutrik® powerCON power input
- PSU soft start
- Hand built & designed in Hertfordshire, England
- 5 year factory warranty

SUITABLE APPLICATIONS

Small full range loudspeaker for example 5"-10" + 1" driver compliment, smaller bass units 8"-10" drivers. Public address systems of any kind – peripheral systems in larger installations. AV systems. High power mid range and HF drivers in multi way installed sound or touring sound systems. Smaller stage monitors bi amp or full range



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Amplifier Specifications

FFA-2004



Power Ratings	4 x 250W 8 Ohm load 4 x 500W 4 Ohm load 4 x 1000W 2 Ohm load
Gain	32 dB
THD	THD Typical 0.03 4 Ohm 1kHz THD+N
Frequency Response	20Hz - 20kHz +- 0.5dB
Controls	40 Point Potentiometer per channel, power on switch
Indicators	signal green = -20dB, signal yellow = -3dB, red signal = clip, signal red protect = over current, low AC mains or 3 sec. mute on power up Load Protection DC on output, clip limiter
Load Protection	DC on output, clip limiter circuit
Amplifier Protection	Amplifier Protection Short circuit, current overload, thermal shutdown, high frequency stability circuit
Audio Signal Inputs	Balanced Neutrik® Female XLR input connected Pin 1 - GND, Pin 2 - Hot +, Pin 3 - Cold - . XLR Male signal parallel each channel
Audio Signal Outputs	Neutrik® speakON each channel. Channels 1 and 3 output speakON utilises 2+ and 2- connection to allow use of 4 core loudspeaker cable for bi amp loudspeaker system for example stage monitor system
Power Requirement	1 x Neutrik® 20A powerCON connector 1 x 16 A 230 VAC Circuit. Power range 185 V-230 VAC 120 V (configured at factory)
System Cooling	High CFM 80mm fan with proportional signal speed control. Rear to front airflow
Dimensions	88mm Height x 483mm Width x 510mm Depth. Includes rear rack support. 19" rack mount enclosure
Weight	9 kg

FFA has a policy of continued product improvement and accordingly reserves the right to change features and specifications without notice.