



Exceptional Audio Performance

Datasheet

FFA-8004 / 2004 HD



HD Audio Amplifiers for Premium Cinematic Sound

## OVERVIEW

The FFA-2004 HD and FFA-8004 HD are high performance four channel power amplifiers. These amplifiers are ideally suited for use with premium cinema sound systems.

FFA's rugged, high current power supplies respond to the lowest musical notes and audio special effects. The mechanics are built to the same exacting standards as FFA's professional live sound and night venue products. The FFA-2004 HD features a new silent cooling system so can be installed where equipment noise would normally cause a nuisance..

These class D amplifiers use highly efficient electronic technology to run cool and use less mains supply power. The precision analogue circuits give a very stable sound stage with excellent signal to noise ratio. The sound experience is wholly musical and natural which will enhance the cinematic performance.

Designed and made in England with a 6 year warranty.

## SUITABLE APPLICATIONS

Any sound system that is required to deliver best audio performance • Long term power delivery in any environment  
• Home residential cinemas • professional test screening rooms • commercial cinemas • Live theatre sound  
Conference rooms • AV systems • night venues • Cruise ships.



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## Amplifier Specifications

FFA-8004 / 2004 HD



### HD Audio Amplifiers for Premium Cinematic Sound

<b>Power Ratings</b>	<p>FFA-2004 HD - 4 x 500W ref 4 Ohms, 4 x 250W 8 Ohm 4 x 1000W ref 2 Ohms</p> <p>FFA-8004 HD - 4 x 2000W ref 4 Ohms, 4 x 1000W ref 8 Ohms</p> <p><i>Note: Channel pairs can be bridged to drive very high power 8 Ohm subwoofers</i></p>
<b>Gain</b>	FFA-2004 HD - 20dB      FFA-8004 HD -28dB
<b>THD</b>	THD+N typical 0.03% ref 4 Ohms 1kHz
<b>Frequency Response</b>	20Hz - 20kHz +- 0.5dB
<b>Controls</b>	40 Point Potentiometer per channel, power on switch
<b>Indicators</b>	signal green = -20dB, signal yellow = -3dB, red signal = clip, signal red protect = over current, low AC mains or 3 sec. mute on power up
<b>Load Protection</b>	DC on output, precision clip limiter circuit
<b>Amplifier Protection</b>	Short circuit, current overload, thermal shutdown, high frequency stability circuit
<b>Audio Signal Inputs</b>	Balanced Neutrik® Female XLR input each channel Pin 1 - GND, Pin 2 - Hot +, Pin 3 - Cold
<b>Audio Power Outputs</b>	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. Bridged output
<b>Power Requirement</b>	1 x Neutrik® 20A powerCON connector 1 x 16 A 230 VAC Circuit. Power range 185 V-230 VAC 120 V (configured at factory)
<b>System Cooling</b>	High CFM 80mm fan with proportional signal speed control. Rear to front airflow
<b>Dimensions</b>	88mm Height x 483mm Width x 510mm Depth. Includes rear rack support. 19" rack mount enclosure
<b>Weight</b>	10 kg

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