



Datasheet

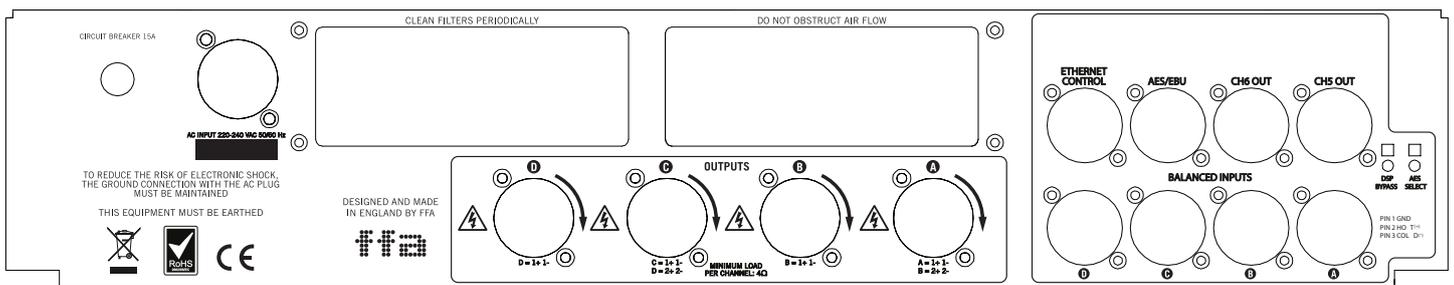
FFA-4004 G2 DSP FFA-6004 G2 DSP

FFA MATRIX G2 DSP offers increased flexibility for audio system designs . . .

All four audio inputs can now be used and we still offer an extra pair of DSP outputs to allow connection to external amplifiers.

A brand new software and graphical user interface has been developed which offers the user a host of tools to easily configure sound systems for a wide variety of applications.

We have continued to use Ethernet control for easy connection and construction of networked amplifier systems.



FEATURES AT A GLANCE

- Very Informative and easy to use software - PC or Apple.
- Widely available Ethernet control network
- Useful functions to allow environmental noise control.
- Four audio inputs / 6 audio outputs.
- Matrix mix all 4 audio inputs and 6 outputs
- 2 band Dynamic EQ on 4 inputs and 6 outputs
- 6dB/Octave – 48dB Octave high and low pass filters
- Comprehensive limiting functions on 6 outputs.
- 6 band parametric EQ on inputs
- 8 band parametric EQ on outputs.
- Compressor / limiter on all four audio inputs
- Up to 1.3 seconds delay on inputs and outputs.
- AES EBU DIGITAL INPUT.
- DSP bypass switch.



Our Generation 2 integrated MATRIX DSP

NEW

Amp Specifications

FFA-4004 G2 DSP FFA-6004 G2 DSP



Power Ratings	FFA - 4004 G2 DSP - 4 x 600W 8 Ohm, 4 x 1000W 4 Ohm FFA - 6004 G2 DSP - 4 x 800W 8 Ohm, 4 x 1500W 4 Ohm
Gain	32 dB
THD	Typical 0.05 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, side chain TCA clip limiter circuit
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 throughput 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 16A 240 VAC Circuit. Power range 185V-240VAC
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.