Mac . Windows . iPad

Exceptional sound quality and user versatility

OVERVIEW

Inputs and outputs are software switched in channel pairs between analogue and AES/EBU. FATWARE software flexibility ensures ease of system design.

Audio compression is specified on each input. High pass filter, 6 bands of parametric EQ, and up to 1.3 seconds of delay are all part of the specification.

Routing to outputs can be configured to either mix-matrix mode, free-routing or several pre-configured routing options. Flexible channel linking enables quick and easy configuration of common loudspeaker systems. Extensive filter types are specified with 8 bands of parametric EQ, 2 bands of DEQ and up to 1.3 seconds of delay. The limiter section features Predictive eXcursion Limiter (PXL) algorithm designed to offer precise loudspeaker power control with the lowest distortion.

FATWARE Ethernet based control software for PC, Mac and iPad gives the ability to not only control all the devices on a network but also to store preset memories and pre - configure systems offline.

KEY FEATURES

• 4 Analogue Inputs, 8 Analogue Outputs

• AES Digital Inputs with sample rate conversion from 24 to 96kHz

• Input Processing Features:
- Soft Knee Compressor
- 6 Parametric EQs
- 24dB/Oct HPF
- 28 Band Graphic EQ
- 3 bands of Dynamic EQ
- Gain, Polarity, Delay (up to 1.3s)

• **Routing Matrix Modes:**
Mix Matrix, Routing Matrix, Preset Configurations (2x4, 4x2, 1x8, 2x3+2)

• Output Processing Features:
8 Parametric EQs, 2 bands of DEQ per output channel
Crossover Filters up to 48dB/Octave
Gain, Polarity, Delay (up to 1.3s), PXL Limiters
Remote control via 100Mbps Ethernet, USB Type B
Up to 30 presets may be stored for offline recall

Datasheet

FFA Matrix DSP

TECHINCAL SPECIFICATIONS

Analogue Inputs - 4 Electronically Balanced
CMRR : >60dB @ 1kHz
Maximum Level: >20dBu
Input Impedance: 10kΩ Balanced
Analogue Outputs - 8 Electronically Balanced
Maximum Level >20dBu Source Impedance: <60Ω
Frequency response (20 Hz to 20 kHz) : +/-0.4 dB
Dynamic Range : >110dB unweighted
(in to out analogue)
THD + N (-10dB @ 1kHz): 0.0007%
Latency: 0.896ms (in to out, analogue, 96kHz)
Power: 90-250VAC, 50-60Hz, <40W

AES Outputs: - 4 x 2 Channel Transformer Balanced
Sample Rate: 96kHz
Source Impedance: 110Ω
Frequency Response (20Hz to 20kHz) : +/-0.4dB
Dimensions: 44 x 213 x 482mm (1.75 x 8.4 x 19 inches)
Weight: 2.8kg Net, 3.5kg Shipping

PC compatible remote control software with USB and Ethernet access. Full control of all DSP, routing and configuration of multiple FFA DSP units with ability to set up systems offline and store/load presets and preset libraries. Mac and iPad control software available now

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