

# SPECIFICATIONS & PERFORMANCE



## MICROPHONE PREAMPLIFIERS: (measured to insert send)

MIC GAIN:	-10 to +60dB (-10dB Pad)
LINE GAIN:	-16 to +44dB (-10dB Pad)*
PHANTOM POWER:	48v +/-4v @ 10mA/Channel
MIC EIN:	<127.5dBu
CMRR:	>80dB @ 100 to 10kHz
MAXIMUM INPUT LEVEL:	+22dBu (+32dBu with Pad)
INPUT IMPEDANCE	
Mic LO:	220Ω Balanced
Mic MED:	1kΩ Balanced
Mic HI:	2kΩ Balanced
Line (All i/p Z):	>6kΩ Balanced
FREQUENCY RESPONSE:	+/-0.5dB 10Hz to 100kHz
CROSSTALK:	<85dBu @ 1kHz & 10kHz
THD+N @ 0dBu (1kHz):	0.003% (-90.5dBu)
SNR:	>90dB
HPF:	Sweepable from 25Hz to 250 Hz 2nd Order (12dB/Octave)

XLR: Pin 2 (Hot), Pin 3 (Cold) & Pin 1 (Shield)  
1/4" JACK: TIP (Hot), RING (Cold) & SLEEVE (Shield)

\* Line input level at the combi jacks will be affected by the input impedance switch position, this can be used as a second pad control to adjust line input ranges on all channels.



## DISCRETE JFET D.I (Channels 1 & 2): (measured to line outputs / insert send)

D.I GAIN:	-10 to +60 dB (-10dB Pad)
MAXIMUM INPUT LEVEL:	+16dBu (typical), +22dBu
INPUT IMPEDANCE:	1MegΩ Unbalanced
FREQUENCY RESPONSE:	+/-0.5dB 10Hz to 50kHz
THD+N @ 0dBu (1kHz):	<0.03% (-70dBu)
SNR:	89dB

1/4" JACK: TIP (Hot) & SLEEVE (Shield)



## LINE OUTPUTS (Insert Sends):

MAXIMUM OUTPUT LEVEL:	+27.5dBu
OUTPUT IMPEDANCE:	<100Ω Balanced



## ADC LINE INPUTS (Insert Returns): (measured at AES output under AES-17)

MAXIMUM INPUT LEVEL:	+18dBu
DIGITAL REFERENCE LEVEL:	0dBFS = +18dBu
INPUT IMPEDANCE:	>10kΩ Balanced
FREQUENCY RESPONSE:	+/-0.5dB 10Hz to Fs/2
CROSSTALK:	<80dBu @ 1kHz & 10kHz
THD+N @ -1dBFS (1kHz):	<0.002% (-94dB)
THD+N @ -6dBFS (1kHz):	<0.002% (-94dB)
DYNAMIC RANGE:	113dB un-weighted 115dB A-weighted
PEAK LED LINEUP:	+16dBu (-2dBFS)
SIGNAL LED LINEUP:	Variable Brightness from -30dBu to -10dBu (-28dBFS)



## DIGITAL i/o:

ADAT 8 CHANNELS SMUX:	44.1 - 96kHz
AES   S / PDIF 8 CHANNELS:	44.1 - 96kHz
CLOCK:	Internal or External
WORDCLOCK INPUT:	75Ω BNC Optional 75Ω Termination



## POWER SUPPLY:

High stability, low noise internal SMPS  
Fanless, quiet operation  
Works anywhere in the world without reconfiguring

LINE VOLTAGES:	90 to 264V (a.c)
INTERNAL RAILS:	+/-18VDC, +48VDC & +5VDC
FUSE:	T1A (1Amp Time Delay)
CONSUMPTION:	Maximum 40 Watts



WEIGHT: 4.0kg

