

SPECIFICATIONS & PERFORMANCE



- ▶ **MICROPHONE PREAMPLIFIERS:**
(measured to insert send)
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|----------------------|--|
| 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: | 200Ω Balanced |
| Mic MED: | 1k4Ω Balanced |
| Mic HI: | 3k6Ω Balanced |
| Line (All Z): | >10kΩ 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)
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|----------------------|---------------------------|
| 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):**
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|-----------------------|----------------|
| MAXIMUM OUTPUT LEVEL: | +27.5dBu |
| OUTPUT IMPEDANCE: | <100Ω Balanced |
- ▶ **ADC LINE INPUTS (Insert Returns):**
(measured at AES output under AES-17)
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|--------------------------|---------------------------------------|
| 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: | -10dBu (-28dBFS) |
- ▶ **DIGITAL i/o:**
- | | |
|----------------------------|-------------------------------------|
| ADAT 8 CHANNELS SMUX: | 44.1 - 96kHz |
| AES I/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
- ▶ **LINE OUTPUTS (Insert Sends):**
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