MICROPHONE PREAMPLIFIERS:
(measured to insert send)

- MIC GAIN: -10 to +60 dB [-10dB Pad]
- LINE GAIN: -20 to +40 dB [-10dB Pad]
- PHANTOM POWER: 48V +/-4V @ 10mA/Channel
- MIC EIN: <-125dBu
- CMRR: >80dB @ 1kHz
- MAXIMUM INPUT LEVEL: +22dBu (+32dBu with Pad)
- INPUT IMPEDANCE (Mic): >10kΩ Balanced
- INPUT IMPEDANCE (Line): >1MΩ Unbalanced
- FREQUENCY RESPONSE: +/-0.5dB 10Hz to 10kHz
- CROSSTALK: <0.0015% [97dB]
- THD+N @ -1dBFS [(1kHz): <0.002% (-94dB)
- DYNAMIC RANGE: 117dB un-weighted
- 120dB A-weighted

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

DAC OUTPUTS (1-4):
(measured from optical input under AES-17)

- MAXIMUM OUTPUT LEVEL: +18dBu
- DIGITAL REFERENCE LEVEL: 0dBFS = +18dBu
- OUTPUT IMPEDANCE: <100Ω Balanced
- FREQUENCY RESPONSE: +/-0.5dB 20Hz to Fs/2
- CROSSTALK: <0.0008% [-101dB]
- THD+N @ -1dBFS (1kHz): <0.0008% [-101dB]
- DYNAMIC RANGE: 110dB un-weighted
- 114dB A-weighted

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

HEADPHONE OUTPUT (5&6):
(measured from optical input under AES-17)

- MAXIMUM OUTPUT LEVEL: +18dBu
- DIGITAL REFERENCE LEVEL: 0dBFS = +18dBu
- OUTPUT IMPEDANCE: <100Ω Balanced
- FREQUENCY RESPONSE: +/-0.5dB 20Hz to Fs/2
- CROSSTALK: <0.0008% [-101dB]
- THD+N @ -1dBFS (1kHz): <0.0008% [-101dB]
- DYNAMIC RANGE: 110dB un-weighted
- 114dB A-weighted

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

D.I (Channel 2):
(measured to insert send)

- D.I GAIN: -16 to +54 dB [-10dB Pad]
- MAXIMUM INPUT LEVEL: +15dBu (typical), +22dBu
- INPUT IMPEDANCE: 1MΩ Unbalanced
- FREQUENCY RESPONSE: +/-0.5dB 20Hz to 50kHz
- THD+N @ 0dBu (1kHz): <0.03% [70dBu]
- SNR: 93dB
- HPF: -3dB @ 100Hz, 2nd Order (12dB/Octave)

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

INSERT SENDS [Mic Pre Out]:

- MAXIMUM OUTPUT LEVEL: +22dBu
- OUTPUT IMPEDANCE: <100Ω Balanced

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

POWER SUPPLY

12VDC Centre Positive DC Adapter - >1.5Amps
Internally conditioned to provide +48VDC, +/-15VDC &
low voltage rails for digital processing core & converters.
iD22 cannot be bus powered for quality reasons.

ADB LINE INPUTS (Insert Returns):
[measured at optical 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: <0.002% [94dB]
- THD+N @ -1dBFS (1kHz): <0.0015% [97dB]
- DYNAMIC RANGE: 117dB un-weighted
- 120dB A-weighted

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

USB2.0 HIGH SPEED

No. of INPUT CHANNELS: 10
[2 Analogue, 8 Digital]
No. of OUTPUT CHANNELS: 14
[6 Analogue, 8 Digital]

DIGITAL i/o

ADAT 8 CHANNELS: 44.1-48kHz
ADAT 4 CHANNELS: 88.2-96kHz
STEREO S/PDIF: 44.1-96kHz

SPECIFICATIONS & PERFORMANCE