



US-224 Technical Specifications

General

Frequency Response

20 Hz - 20KHz 1.0 dB / -3.0 dB
LINE INPUT A/B to LINE OUTPUT
TRIM min., +4 dBu input
LINE OUTPUT level max.

Noise Level

Better than 92 dB A Weight
MIC INPUT A/B to LINE OUTPUT
TRIM min., 150 ohm terminated
LINE OUTPUT level max.

Signal Processing Delay

Less than 2 ms
MIC/LINE to LINE OUT Input Monitor
Fs = 44.1KHz

THD

Better than 0.01%
MIC INPUT A/B to LINE OUTPUT
0 dBu input TRIM min.
LINE OUTPUT level max.
LINE INPUT A/B to LINE OUTPUT
TRIM min., +20 dBu input
LINE OUTPUT level max.

Crosstalk

Better than 85 dB at 1KHz
LINE INPUT A/B to LINE OUTPUT
TRIM min., +4 dBu input
LINE OUTPUT level max.

Click: Less than -35 dBu

Fader Attenuation: Better than -90 dB at
1 KHz

Mute Level: Better than -90 dB at 1 KHz

Dimensions:

12" x 8.3" x 2.4" (30.4 x 21.1 x 6.2 cm)

Weight (unit itself): 0.85 Kg (1.9 lbs)

Power Consumption: 2W

MIC INPUT A/B_(Analog)

Connector: XLR-3-31

(1:= GND, 2:= Hot, 3:= Cold) : Balanced

Input Impedance: 2.2k ohm

Nominal Input Level (TRIM max.): -54 dBu

Nominal Input Level (TRIM min.): -16 dBu

Maximum Input Level: 0 dBu (TRIM min.)

LINE/GUITAR INPUT A/B_(Analog)

Connector: 1/4"

(Tip:Hot; Ring:Cold; Sleeve:GND)

(Balanced at LINE, Unbalanced at
GUITAR)

Input Impedance 22k ohm at LINE
680k ohm at GUITAR

Nominal Input Level (Trim max.):

-34 dBu at LINE

-48 dBV (-36.8 dBu) at GUITAR

Nominal Input Level (TRIM min.):

+4 dBu at LINE

- 10 dBV (-7.8 dBu) at GUITAR

Maximum Input Level (TRIM min):

+20 dBu at LINE

+6 dBV (+8.2 dBu) at GUITAR

LINE OUTPUT_(Analog)

Connector: RCA pin jack, Unbalanced
Output Impedance: 100ohm
Nominal Output Level: -10 dBV (-7.8 dBu)
(LINE LEVEL -10dB)
Maximum Output Level: +6 dBV (+8.2 dBu)
(LINE LEVEL max)

PHONES output_(Analog)

Connector: 1/4" TRS Stereo
(Tip:L, Ring:R, Sleeve:GND)
(when nominal impedance 40 Ohms loaded)
Maximum Output Power: 10m W + 10m W
Maximum Output Level: +6 dBV (+8.2 dBu)

DIGITAL IN

Connector: RCA pin jack
Format: IEC60958 Type2
Input impedance: 75 ohm
Input Level: 0.5Vp-p

DIGITAL OUT

Connector: RCA pin jack
Format: IEC60958 Type 2
Output Impedance: 75 ohm
Output Level: 0.5Vp-p

MIDI IN

Connector: 5P DIN
Format: Standard MIDI Format
MIDI Out

Connector: 5P DIN
Format: Standard MIDI Format
USB

Connector: USB Down stream connector
Format: USB Version 1.1

ADC / DAC

AD/DA Converter
24Bit, 64 times oversampling
Delay: 17 samples (ADC), 15.4 samples (DAC)

Audio Performance

MIC INPUT (A, B XLR Analog INPUT to DIGITAL OUT)

Frequency Response

20 Hz - 20KHz + 0.5dB / -1.0 dB
TRIM min., -16 dBu input

S/N

Better than 93 dB A Weight
TRIM min., 150 ohm terminated
LINE OUTPUT max.

T.H.D.

Better than 0.007% at 1kHz
TRIM min., 0 dBu input

LINE INPUT (A, B 1/4" Analog INPUT to DIGITAL OUT)

Frequency Response

20 Hz - 20KHz, +0.5 dB / -1.0 dB
TRIM min., +4 dBu input

S/N

Better than 93 dB A Weight
TRIM min., 150 ohm terminated
LINE OUTPUT max.

T.H.D

Better than 0.007% at 1KHz
TRIM min., +20 dBu input

LINE OUTPUT (DIGITAL IN to LINE OUTPUT)

Nominal Output: +6dBV
0 dBFs input, LINE OUTPUT max.

Frequency Response:

20 Hz - 20KHz, +0.5 dB / -1.0 dB
-16 dBFs input, LINE OUTPUT max.

S/N:

Better than 97 dB A Weight, 0 dBFs input,
LINE OUTPUT max.

T.H.D.

Better than 0.007% at 1KHz
TRIM min., 0 dBFS input
LINE OUTPUT max.

PHONES Output

Maximum Output: More then 10m W + 10m W at 1KHz, 40 ohm loaded

Frequency Response:

100 Hz - 20KHz, +1.0 dB / -3.0 dB
Nominal level, 40 ohm loaded

T.H.D.: Better than 1 %

1KHz, Output 10m W + 10m W, 40 ohm loaded