

5. Specifications

Mono Inputs

Microphone Inputs (XENYX Mic Preamp)

Type	XLR, electronically balanced, discrete input circuitry
Mic E.I.N. (20 Hz - 20 kHz)	
@ 0 Ω source resistance	-134 dB / 135.7 dB A-weighted
@ 50 Ω source resistance	-131 dB / 133.5 dB A-weighted
@ 150 Ω source resistance	-129 dB / 130.5 dB A-weighted
Frequency response	<10 Hz - 150 kHz (-1 dB), <10 Hz - 200 kHz (-3 dB)
Gain range	+10 to +60 dB
Max. input level	+12 dBu @ +10 dB Gain
Impedance	approx. 2.6 k Ω balanced
Signal-to-noise ratio	110 dB / 112 dB A-weighted (0 dBu In @ +22 dB Gain)
Distortion (THD + N)	0.005% / 0.004% A-weighted

Line Input

Type	¼" TRS connector, electronically balanced
Impedance	approx. 20 k Ω balanced approx. 10 k Ω unbalanced
Gain range	-10 to +40 dB
Max. input level	+22 dBu @ 0 dB Gain

Fade-Out Attenuation (Crosstalk Attenuation)

Main fader closed	98 dB
Channel muted	85 dB
Channel fader muted	85 dB

Frequency Response

Microphone input to main out	
<10 Hz - 90 kHz	+0 dB / -1 dB
<10 Hz - 160 kHz	+0 dB / -3 dB

Stereo Inputs

Channels 5/6, 7/8	
Microphone input	
Type	XLR microphone connector, electronically balanced
Impedance	approx. 2.6 k Ω balanced
Gain range	0 dB to +40 dB
Max. input level	+2 dBu

Channels 9/10, 11/12

Stereo line inputs	
Type	2 x ¼" TRS connector, unbalanced
Impedance	approx. 40 k Ω @ 0 dB Gain
Gain range	-20 dB to +20 dB
Max. input level	+22 dBu @ 0 dB Gain

CD/Tape In

Type	RCA connectors
Impedance	approx. 10 k Ω
Max. input level	+22 dBu

EQ Mono Channels

Low	80 Hz / \pm 15 dB
Mid	2.5 kHz / \pm 15 dB
High	12 kHz / \pm 15 dB
Low cut	80 Hz, 18 dB/oct.

EQ Stereo Channels

Low	80 Hz / \pm 15 dB
Mid	2.5 kHz / \pm 15 dB
High	12 kHz / \pm 15 dB

MON/FX Send

Type	¼" TS connector, unbalanced
Impedance	approx. 120 Ω
Max. output level	+22 dBu

Aux Returns

Type	¼" TRS connector, unbalanced
Impedance	approx. 10 k Ω
Max. input level	+22 dBu

Main Outputs

Type	XLR, electronically balanced
Impedance	approx. 240 Ω balanced approx. 120 Ω unbalanced
Max. output level	+28 dBu

Headphone Output

Type	¼" TRS connector, unbalanced
Max. output level	+19 dBu / 150 Ω (+25 dBm)

CD/Tape Out

Type	RCA connectors
Impedance	approx. 1 k Ω
Max. output level	+22 dBu
DSP	Texas Instruments
Converter	24-bit Sigma-Delta 64/128-times oversampling
Sampling rate	40 kHz

USB

Audio	Stereo In/Out
Connector	Type B
Converter	16-bit
Sample Rate	48 kHz

Main Mix System Data

Noise	
Main mix @ $-\infty$, Channel fader $-\infty$	-99 dB -101 dB A-weighted
Main mix @ 0 dB, Channel fader $-\infty$	-84 dB -87 dB A-weighted
Main mix @ 0 dB, Channel fader @ 0 dB	-80 dB -82 dB A-weighted

Power Supply

Mains Voltage	100 - 240 V~, 50 - 60 Hz
Power consumption	40 W
Fuse	T 1.6 A H 250 V
Mains connection	Standard IEC receptacle

Physical

Dimensions (W x D x H)	approx. 14.56 x 13 x 3.54" approx. 370 x 330 x 90 mm
Weight (net)	approx. 9.3 lbs. approx. 4.22 kg