

AudioFuse Studio Official Audio Performances (March 17th 2020)		
All measurement have been performed using Audio Precision APx555 and AES17 measurement standard when applicable.		
Line Inputs		
	• Input impedance:	20kΩ (symmetric), 10kΩ (asymmetric)
	• Maximum input level	+24dBu
	• Gain range	45dB typical
	• Pad mode	-20dB
	• Frequency response 20Hz to 20kHz	+/-0.01dB typical
	• Dynamic range	119dB (A-weighted)
	• THD+N @ 1kHz	-112dB (A-weighted)
Instrument Inputs		
	• Input impedance	1.1MΩ asymmetric
	• Maximum input level	+18dBu
	• Gain range	45dB typical
	• Pad mode	-20dB
	• Frequency response 20Hz to 20kHz	+/-0.01dB typical
	• Dynamic range	119dB (A-weighted)
	• THD+N @ 1kHz	-112dB (A-weighted)
Line Aux		
	• Input impedance:	20kΩ (symmetric), 10kΩ (asymmetric)
	• Maximum input level	+24dBu
	• Pad mode	-20dB
	• Frequency response 20Hz to 20kHz	+/-0.02dB typical
	• Dynamic range	120dB (A-weighted)
	• THD+N	-108dB (A-weighted)
Microphone Preamps		
	• Input impedance	3,4kΩ
	• Maximuim input level	+11dBu
	• Gain range	71dB typical
	• Boost mode	+10dB
	• Pad mode	-20dB
	• Equivalent Input Noise (EIN)	-129dB typical (un-weighted)
	• Frequency response 20Hz to 20kHz	+/-0.09dB
	• Dynamic range	118dB (A-weighted)
	• THD+N @ 1kHz	-107dB (A-weighted)
Input Inserts		
	• Output impedance	240Ω balanced, 120Ω unbalanced
	• Input impedance	20kΩ (balanced), 10kΩ (unbalanced)
Speaker Outputs		
	• Output impedance	240Ω balanced, 120Ω unbalanced
	• Maximum output level	+24dBu
	• Frequency response 20-20kHz	+/-0.07dB
	• Dynamic range	121dB (A-weighted)
	• THD+N @ 1kHz	-108dB (A-weighted)
Line Outputs		
	• Output impedance	240Ω balanced, 120Ω unbalanced
	• Maximum output level	+24dBu
	• Frequency response 20-20kHz	+/-0.07dB
	• Dynamic range	121dB (A-weighted)
	• THD+N @ 1kHz	-108dB (A-weighted)
Phones Outputs		
	• Output impedance	10Ω on 6.35mm TRS 33Ω on 3.5mm TRS
	• Maximum output level	+13dBu on 6.35mm TRS +10dBu on 3.5mm TRS
	• Dynamic range	103dB (A-weighted)
	• Power @ 33ohm @1%THD	60mW on 6.35 TRS 22mW on 3.5mm TRS
	• THD+N @ 1kHz	-92dB (A-weighted)
Talkback		
	• Max input Level (@440Hz)	95dB SPL
	• Dynamic range	55dB
	• Audio bandwidth	120Hz - 8kHz
Clocks		
	• Supported Frequency Rates	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz