

1604VLZ4 SPECIFICATIONS

Main Mix Noise

(20 Hz–20 kHz bandwidth, 1/4" main out, channel gains @ unity, channel EQs flat, all channels assigned to main mix, odd channels panned left, even channels panned right.)

Main mix fader unity, channel faders down: (92 dB Signal to Noise Ratio, ref +4 dBu)	-88.5 dBu
Main mix fader @ unity, channel faders @ unity:	-82.5 dBu

Total Harmonic Distortion (THD)

(1 kHz @ 35 dB gain, 20 Hz–20 kHz bandwidth)

Mic in to insert send	<0.0007%
Mic in to main out	<0.005%

Attenuation / Crosstalk

(1 kHz relative to 0 dBu, 20 Hz–20 kHz bandwidth, line in, 1/4" main out, gain @ unity)

Channel mute switch engaged	-84 dBu
Channel gain knob down	-84 dBu

Frequency Response

Mic input to main output (gain @ unity)
+0, -1 dB, 20 Hz to 50 kHz
+0, -3 dB, <10 Hz to >100 kHz

Equivalent Input Noise (EIN)

(Mic input to insert send out, max gain)

150 Ω termination	-128.5 dBu 20 Hz–20 kHz
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Common Mode Rejection Ratio (CMRR)

1 kHz	better than -70 dB
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Maximum Levels

Mic in	+22 dBu
All other inputs	+22 dBu
Main mix TRS out	+28 dBu
All other outputs	+22 dBu

Impedances

Mic in	2.5 kΩ
Channel insert return	2.5 kΩ
All other inputs	10 kΩ or greater
Tape out	1.1 kΩ
All other outputs	120 Ω

EQ

High Shelving	±15 dB @ 12 kHz
Mid Peaking	±15 dB sweep 100 Hz – 8 kHz
Low Shelving	±15 dB @ 80 Hz
Low Cut Filter	18 dB/octave, -3 dB @ 75 Hz

AC Power Requirements

Power Consumption	50 watts
US, JP	100 – 120 VAC, 50 – 60 Hz
EU, UK, AU, CN	200 – 240 VAC, 50 – 60 Hz
Operating Temperature	0° – 40°C 32° – 104°F

Fuse Rating

100-120V	1A slo blo, 5 x 20 mm
220-240V	0.5A slo blo, 5 x 20 mm

Physical Properties (product)

Height	17.0 in / 433 mm
Depth	5.1 in / 129 mm
Width	17.3 in / 440 mm
Weight	20.0 lb / 9.1 kg

Physical Properties (packaged product)

Height	9.3 in / 236 mm
Depth	20.7 in / 526 mm
Width	21.3 in / 541 mm
Weight	24.0 lb / 10.9 kg

Options

1604VLZ4 Mixer Bag	P/N 093-004-02
1604VLZ4 Mixer Cover	P/N 093-009-00

Ordering Information

1604VLZ4 16-Channel Compact 4-Bus Mixer, US	P/N 2040765-00
1604VLZ4 16-Channel Compact 4-Bus Mixer, EU	P/N 2040765-01
1604VLZ4 16-Channel Compact 4-Bus Mixer, AU	P/N 2040765-04
1604VLZ4 16-Channel Compact 4-Bus Mixer, CN	P/N 2040765-05
1604VLZ4 16-Channel Compact 4-Bus Mixer, BZ	P/N 2040765-06