



1642VLZ4

16-Channel 4-Bus
Compact Mixer

1642VLZ4 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: -86.5 dBu

(90 dB Signal to Noise Ratio, ref +4 dBu)

Main mix fader @ unity, channel faders @ unity: -86 dBu

Total Harmonic Distortion (THD)

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

Mic in to insert send <0.0007%

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 -82 dBu

Channel gain knob down -82 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

Common Mode Rejection Ratio (CMRR)

1 kHz better than -70 dB

Maximum Levels

Mic in +22 dBu

All other inputs +22 dBu

Main mix TRS out and XLR out +28 dBu

All other outputs +22 dBu

Impedances

Mic in 2.5 k Ω

Channel insert return 2.5 k Ω

All other inputs 10 k Ω or greater

Tape out 1.1 k Ω

All other outputs 120 Ω

3-Band EQ (Channels 1-8)

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

4-Band EQ (Channels 9-16)

High Shelving ± 15 dB @ 12 kHz

Hi Mid Peaking ± 15 dB @ 2.5 kHz

Low Mid Peaking ± 15 dB @ 400 Hz

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 16.7 in / 425 mm

Depth 5.2 in / 131 mm

Width 16.6 in / 421 mm

Weight 18.2 lb / 8.3 kg

Physical Properties (packaged product)

Height 9.4 in / 239 mm

Depth 19.9 in / 505 mm

Width 21.3 in / 541 mm

Weight 21.0 lb / 9.5 kg

Ordering Information

1642VLZ4 16-Channel Compact 4-Bus Mixer, US P/N 2040766-00

1642VLZ4 16-Channel Compact 4-Bus Mixer, EU P/N 2040766-01

1642VLZ4 16-Channel Compact 4-Bus Mixer, AU P/N 2040766-04

1642VLZ4 16-Channel Compact 4-Bus Mixer, CN P/N 2040766-05

1642VLZ4 16-Channel Compact 4-Bus Mixer, BZ P/N 2040766-06