

K-Mix Technical Specifications

AUDIO

INPUT CHANNELS	<ul style="list-style-type: none"> • 8 Balanced Inputs • Signals up to +28dBu
OUTPUT CHANNELS	<ul style="list-style-type: none"> • 10 Outputs (8 balanced)
BIT DEPTH	<ul style="list-style-type: none"> • 24-bit AKM Converters • 110dB dynamic range
SAMPLE RATE	<ul style="list-style-type: none"> • 44.1kHz, 48kHz, 88.2kHz, 96kHz
INTERNAL LATENCY	<ul style="list-style-type: none"> • ~2.5ms

CONNECTIONS

ANALOG INPUTS	<ul style="list-style-type: none"> • 2 XLR/TRS combo jacks: <ul style="list-style-type: none"> » XLR Mic/Line Inputs (balanced) » Hi-Z Inst/Line 1/4" TRS Inputs (balanced) • 6 1/4" TRS Connectors (line/phono, balanced)
ANALOG OUTPUTS	<ul style="list-style-type: none"> • 8 1/4" TRS Connectors (balanced) • 1 stereo 3.5mm TRS headphone output • < 50 Ohms output impedance • +2.6dBV max output level
DIGITAL	<ul style="list-style-type: none"> • 1 Micro-USB (Audio I/O, MIDI I/O, Power) • 1 Mini-USB (Power, Expander MIDI)

CONTROL

FADERS	<ul style="list-style-type: none"> • 8 channel faders (75mm) • 12 LED indicators per channel fader • 1 master fader with 24 LEDs • MIDI position CC output on all faders
ROTARIES	<ul style="list-style-type: none"> • 4 rotary controls (360°) • 16 LEDs per rotary • MIDI position CC output on all rotaries
BUTTONS	<ul style="list-style-type: none"> • 9 Channel Select Buttons • 4 Bank Select Buttons • 17 Function Buttons • MIDI note output on all buttons

MIC PREAMPS

NUMBER	<ul style="list-style-type: none"> • 2 ultra low-noise μPre™ mic pres
PHANTOM POWER	<ul style="list-style-type: none"> • +48V or +12V phantom power
GAIN	<ul style="list-style-type: none"> • +60db additional gain
THD + NOISE	<ul style="list-style-type: none"> • -105.12 dBu @ 0dB gain, 20Hz–20kHz (unweighted) • -116.49 dBu @ 0dB gain, 20Hz–20kHz (A weighted)
EIN	<ul style="list-style-type: none"> • -127.0 dBu, 150ohms @ 20Hz–20kHz, max gain (unweighted)
FREQUENCY RESPONSE	<ul style="list-style-type: none"> • ± 0.03dB @ 20Hz–20kHz (44.1kHz, unweighted) • ± 0.15dB @ 20Hz–40kHz (96kHz, unweighted)

PROCESSING

EQUALIZATION	<ul style="list-style-type: none"> • 3-band semi-parametric EQ • ± 18dB cut/boost
COMPRESSOR	<ul style="list-style-type: none"> • Compressor/Limiter on each channel • Adjustable threshold, attack, release, and makeup gain
GATE	<ul style="list-style-type: none"> • Noise gate on each channel • Adjustable threshold, attack, release, and gain reduction
REVERB	<ul style="list-style-type: none"> • Master reverb with individual sends per channel
SURROUND	<ul style="list-style-type: none"> • Quadraphonic, 5.1, 7.1, and Octophonic surround output • Each channel assignable to one of four surround panners • Optional bass management crossover

