K-Mix Technical Specifications

**Audio**

**Input Channels**
- 8 Balanced Inputs
- Signals up to +28dBu

**Output Channels**
- 10 Outputs (8 balanced)

**Bit Depth**
- 24-bit AKM Converters
- 110dB dynamic range

**Sample Rate**
- 44.1kHz, 48kHz, 88.2kHz, 96kHz

**Internal Latency**
- ~2.5ms

**Connections**

**Analog Inputs**
- 2 XLR/TRS combo jacks:
  - XLR Mic/Line Inputs (balanced)
  - Hi-Z Inst/Line 1/4” TRS Inputs (balanced)
- 6 1/4” TRS Connectors (line/phono, balanced)

**Analog Outputs**
- 8 1/4” TRS Connectors (balanced)
- 1 stereo 3.5mm TRS headphone output
- <50 Ohms output impedance
- +2.6dBV max output level

**Digital**
- 1 Micro-USB (Audio I/O, MIDI I/O, Power)
- 1 Mini-USB (Power, Expander MIDI)

**Control**

**Faders**
- 8 channel faders (75mm)
- 12 LED indicators per channel fader
- 1 master fader with 24 LEDs
- MIDI position CC output on all faders

**Rotaries**
- 4 rotary controls (360°)
- 16 LEDs per rotary
- MIDI position CC output on all rotaries

**Buttons**
- 9 Channel Select Buttons
- 4 Bank Select Buttons
- 17 Function Buttons
- MIDI note output on all buttons

**Mic Preamps**

**Number**
- 2 ultra low-noise µPre™ mic pres

**Phantom Power**
- +48V or +12V phantom power

**Gain**
- +60dB additional gain

**THD + Noise**
- -105.12 dBu @ 0dB gain, 20Hz–20kHz (unweighted)
- -116.49 dBu @ 0dB gain, 20Hz–20kHz (A weighted)

**EIN**
- -127.0 dBu, 150ohms @ 20Hz–20kHz, max gain (unweighted)

**Frequency Response**
- ± 0.03dB @ 20Hz–20kHz (44.1kHz, unweighted)
- ± 0.15dB @ 20Hz–40kHz (96kHz, unweighted)

**Processing**

**Equalization**
- 3-band semi-parametric EQ
- ±18dB cut/boost

**Compressor**
- Compressor/Limiter on each channel
- Adjustable threshold, attack, release, and makeup gain

**Gate**
- Noise gate on each channel
- Adjustable threshold, attack, release, and gain reduction

**Reverb**
- Master reverb with individual sends per channel

**Surround**
- Quadrophonic, 5.1, 7.1, and Octophonic surround output
- Each channel assignable to one of four surround panners
- Optional bass management crossover