



MixPre-6 II

4 Preamp, 8 Track, 32-Bit Float Audio Recorder

Specifications

Audio Inputs
• Frequency Response ◦ 10 Hz to 80 kHz +/- 0.5 dB re 1 kHz @ 192 kHz sample rate • THD + Noise ◦ 0.005% max (@1 kHz, 22-22 kHz BW, gain=20 dB, -10 dBu in) • ADC ◦ 32 bit precision; 142 dB dynamic range min (A-weighted, gain=10 dB, fader=0 dB) • Equivalent Input Noise ◦ -130 dBV (-128 dBu) max (A-weighting, gain=76 dB, 150 ohm source impedance) • Inputs ◦ Mic: XLR active-balanced; 4k input ◦ Line: XLR active-balanced; 4k input ◦ Aux/Mic in: 3.5 mm TRS, 2-channel unbalanced; 2.2k ◦ Line: ¼-inch TRS active-balanced; 4k input ◦ USB Audio: 4 channels ◦ 6 Total analog inputs: 4 mic-line inputs, 2 on Aux In ◦ All inputs fully RF-filtered and overload protected. • Gain ◦ Mic input: +6 dB to +76 dB ◦ Line input: -20 dB to +30 dB ◦ Fader: -inf to +20 dB ◦ Headphone: -inf to +20 dB ◦ Total, Mic-to-recording (max): +96 dB ◦ Aux In (Mic): Gain = +10dB to +40 dB ◦ Aux In (Line): Gain = -10dB to +20 dB ◦ Total Aux Gain including Fader (Mic-to-recording): +60 dB • Maximum Input Level ◦ Mic XLR: +14 dBu (limiters on or off) ◦ Line XLR: +28 dBu (limiters on or off) ◦ Aux In (Mic): -10 dBu ◦ Aux In (Line): +10 dBu • Low Cut Filters ◦ 40 Hz to 160 Hz (adjustable), 18 dB/oct. First stage analog, subsequent stages digital. • Microphone Powering ◦ Mic XLRs: 48 V via 6.8k resistors, 10 mA each ◦ Mic 3.5 mm: 3 V @ 3k source • Limiters ◦ Limiter at all gain stages, range > 40 dB. First stage analog, subsequent stages digital. Adjustable Threshold, Ratio, and Release.

Audio Outputs
• DAC feeding Stereo Out, Headphone Out ◦ 32 bit precision; 115 dB dynamic range (A-weighted) • Stereo Out ◦ 3.5 mm TRS stereo unbalanced, 500 ohm output, +7.8 dBu max output level • Headphones Out ◦ 3.5 mm TRS stereo unbalanced, 300 mW + 300 mW, for use with any impedance headphones

USB
• Audio Interface (USB-C): 8-in/4-out; 44.1 to 96 kHz; 16/24/32-bit integer, 32-bit float; Class-compliant USB 2.0 high speed or ASIO® (supplied via down) • Mass Storage (USB-C): USB 2.0 high speed • Keyboard (USB-A): Text entry and control • Thumbdrive (USB-A): Manual or auto-copy to drive • Midi Control Surface (USB-A)

Recording
• Maximum Record Tracks ◦ 8 Tracks: Stereo mix + 6 ISOs • Sampling Frequency ◦ 44.1 kHz ◦ 47.952 kHz ◦ 48 kHz ◦ 48.048 kHz ◦ 96 kHz ◦ 192 kHz • Bit Depth ◦ 16 ◦ 24 ◦ 32 Float • Recording Storage ◦ Type: SD, SDXC, SDHC Card (USB thumbdrive, copy only) ◦ Max Storage Size: 512 GB (SDXC) ◦ Card format: exFAT • File Type ◦ Polyphonic WAV

Timecode
• Timecode Modes ◦ Free Run ◦ Time of Day (file stamped w/current ToD) ◦ Rec Run ◦ Ext LTC (file stamped w/incoming LTC on 3.5mm Aux In) ◦ Camera TC (file stamped w/incoming TC from cameras that output TC) • Timecode Frame Rates ◦ Auto-detects (fps): ◦ 23.98 (same as 23.976) ◦ 24 ◦ 25 ◦ 29.97DF ◦ 29.97ND ◦ 30 ◦ 30DF • 3.5 mm Aux In ◦ Timecode Input ◦ Timecode: 20k ohm impedance, 0.3 V – 3.0 V p-p (–17 dBu – +3 dBu) • 3.5 mm Stereo Out ◦ Timecode Output ◦ Timecode: 1k ohm impedance, 3.0 V p-p (+12 dBu) • HDMI ◦ TC Reader via HDMI • Sample/Timecode Accuracy ◦ 0.2 ppm (0.5 frames per 24 hours)

Remote Control
• Bluetooth LE: Wireless control using Wingman app • HDMI (micro): Auto-record start/stop trigger from cameras that output record flag over HDMI • Timecode: Auto-record start/stop trigger via Aux In timecode

File Delivery to Cloud
• Compatible with Viviana Cloud

Touch Screen
• 320×256; 1.6-inch, color, sunlight-viewable IPS LCD

Power
• AA Batteries: 4x AA sled (included); 8x AA sled (optional accessory). NiMH recommended • From computer: Bus-powered via USB-C port; optional MX-USBY cable, connects one USB-C to two USB-A ports • AC Adapter: MX-PSU (included) Power supply wall adapter w/ USB-C connector; 15W; has 4 adapter plugs for US, UK, AU & Europe • L-Mount: Optional sled for 2x (hot-swappable) Sony L-type Li-ion batteries

Environmental
• Operating: -20°C to 60°C, 0 to 90% relative humidity; (non-condensing) • Storage: -40°C to 85°C

Dimensions (H x W x D)
• 3.6 cm x 16.6 cm x 11.8 cm • 1.40" x 6.53" x 4.65"

Weight
• 0.56 kg (unpackaged, without batteries) • 19.9 oz. (unpackaged, without batteries)