MixPre-6 II Specifications

Specifications are subject to change without prior notice.
For the latest information available on all Sound Devices products, visit our website: www.sounddevices.com.

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: 3.5mm TRS, 2-channel unbalanced; 100k input
Line: ¼-inch TRS active-balanced; 4k input
USB Audio: 4 channels
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 = +10 dB to +40 dB
Aux In (Line): Gain = -10 dB to +20 dB
Total Aux Gain including Fader (Mic-to-recording): +60 dB
MICROPHONE POWERING
Mic XLRs: 48 V via 6.8k resistors, 10 mA each
Mic 3.5 mm: 3 V @ 3k source
MAXIMUM INPUT LEVEL
Mic XLR: +14 dBu (limiters on or off)
Line XLR/¼-inch: +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
LIMITERS (16- and 24-bit operation only)
Limiter at all gain stages, range > 40 dB
First stage analog, subsequent stages digital
Adjustable threshold, ratio, and release
MICROPHONE POWERING
Mic XLRs: 48 V via 6.8k resistors, 10 mA each
Mic 3.5 mm: 3 V @ 3k source
OUTPUTS
3.5 mm TRS stereo unbalanced, 500 ohm output impedance, +7.8 dBu max output level
HEADPHONE OUTPUTS
3.5 mm TRS stereo unbalanced, 300 mW + 300 mW, for use with any impedance headphones
DAC FEEDING STEREO OUT, HEADPHONE OUT 32 bit precision; 115 dB dynamic range (A-weighted)
USB
Audio Interface (USB-C): 8-in/4-out; 44.1 to 96 kHz; 16/24-bit; Class-compliant USB 2.0 high speed or ASIO® (supplied via download)
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
8 Tracks: stereo mix + 6 ISOs
44.1 kHz, 47.952 kHz, 48 kHz, 48.048 kHz, 96 kHz, 192 kHz sampling frequencies
16, 24, 32 float bit depths

Polyphonic WAV

RECORDING STORAGE

Type: SD, SDXC, SDHC Card, & USB thumbdrive (copy only)
Max Storage Size: 512 GB (SDXC)
Card format: exFAT

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)
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: 20k ohm impedance, 0.3 V - 3.0 V p-p (–17 dBu - +3 dBu)
3.5 mm Stereo Out Timecode Output: 1k ohm impedance, 3.0V p-p (+12 dBu)
TC Reader via HDMI

POWER

AA Batteries: 4x AA sled (included); 8x AA sled (optional accessory). Energizer Ultimate Lithium recommended
L-Mount: Optional sled for 2x (hot-swappable) Li-ion batteries
From computer: Bus-powered via USB-C port
AC Adapter: MX-PSU (included) Power supply wall adapter w/ USB-C connector; 15 W; has 4 adapter plugs for US, UK, AU & Europe

REMOTE CONTROL

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

ENVIRONMENTAL

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

RECORDING STORAGE

Type: SD, SDXC, SDHC Card, & USB thumbdrive (copy only)
Max Storage Size: 512 GB (SDXC)
Card format: exFAT

DIMENSIONS AND WEIGHT

36mm x 166 mm x 118 mm (H x W x D); 1.40” x 6.53” x 4.65”
Weight: .56 kg; 19.9 oz. (unpackaged, without batteries)
Touch Screen: 320x256; 1.6-inch, color, sunlight-viewable IPS LCD

*patents #US9654134B2 (USA), #CA2973142C (Canada), and #EP3259845 (Europe)