

MixPre-D

SOUND  **DEVICES**

Compact Mixer with Analog, Digital and USB Outputs




Description

The Sound Devices MixPre-D sets a new standard for compact, high-performance portable audio mixers. Designed specifically for audio professionals needing the most flexible connectivity, the MixPre-D is ideal for any production application where capturing great sound is important, but size and weight are a concern.

At the heart of the MixPre-D are two studio-grade mic/line inputs with limiters, high-pass filters and available phantom power. To accommodate the increasing variety of cameras and devices used in production, the MixPre-D has incredible output flexibility. Outputs include balanced mic/line XLR, dedicated consumer mic-level on a locking TA3 connector (designed specifically for DSLR-type

continued on next page

SOUND  **DEVICES**
300 Wengel Drive
Post Office Box 576
Reedsburg, Wisconsin 53959 USA
+1 608.524.0625 main
+1 608.524.0655 fax

MixPre-D Key Features

- Transformer-balanced mic/line selectable inputs
- 48-volt or 12-volt phantom power
- “Unclippable” input peak limiters, dual-mono or stereo linked operation
- Input panning to Left, Center, or Right outputs
- Mid-Side Stereo (MS) matrix with width control and front-panel channel flip
- Return can be used as ch3/ch4 aux-level inputs, selectable pan and level control
- High-pass filters, 80 Hz or 160 Hz
- Slate microphone and tone oscillator
- Mic/Line/AES digital selectable outputs, digital SR of 44.1k, 48k, 96k
- USB streaming audio output for interconnection with Mac OS, Windows, Linux, and iOS devices
- Dedicated mic-level output on locking TA3 connector for unbalanced camera inputs
- Headphone monitoring of program audio or external return audio
- Sunlight-viewable, 16-segment GaN LED output meter with adjustable brightness
- Internal battery-power from two AA
- External power input, 10-17 VDC
- High-strength, extruded aluminum chassis with metal connectors



XL-CAM Accessory Mount
(not included)



XL-3 Accessory Cable
for DSLR connection (not included)

Discover more about Sound Devices products at www.sounddevices.com

MixPre-D

SOUND DEVICES

Compact Mixer with Analog, Digital and USB Outputs



Specifications

Frequency Response:

20 Hz - 30 kHz, +0.2, -0.5 dB (relative to 1 kHz level with 150 ohm source, gain controls set at 50%)

Equivalent Input Noise:

-126 dBu (-128 dBV) maximum mic in to line out, (150 ohm source, flat weighting, 22 Hz - 22 kHz bandwidth, gain control set at 50% or higher, phantom power off)

Input Clipping:

-10 dBu minimum (mic level), +28 dBu minimum (line level)

Output Clipping Level:

Line: +22 dBu minimum with 100k ohm load
Mic: -18 dBu minimum with 100k ohm load

Gain

Mic to Line, max: 66 dB
Line to Line, max: 26 dB
Line to Mic, max: -14 dB
Mic to Mic, max: 26 dB
Mic (TA3) relative to Line out: -36 dB

Dynamic Range:

110 dB minimum, mic input to line output

THD + Noise:

0.05% maximum (from 50 Hz to 22 kHz @ +4 dBu output level)

Common Mode Rejection Ratio:

100 dB minimum at 80 Hz, 60 dB minimum at 10 kHz

Inputs:

Transformer-balanced, 2k mic input impedance, 16k line input impedance

Outputs:

XLR-Line/Mic: active-balanced, 100 ohm output impedance
XLR-AES3: balanced, 110 ohm, two-channel, on right XLR connector
TA3: unbalanced mic-level output, pin-2 left, pin-3 right, pin-1 ground, 200 ohm output impedance
Tape (3.5 mm) Unbalanced, tip-left, ring-right, sleeve-ground, 2.1k ohm output impedance

A/D Converter for USB:

103 dB typical, A-weighted; sample rate selectable 44.1k, 48k, or 96k

Output Noise:

-100 dBu (-102 dBV) maximum (22 Hz - 22 kHz bandwidth, flat filter)

High Pass Filters:

80 Hz or 160 Hz (switch selectable), 6 dB per octave

Phantom Power:

12-volt through 680 ohm resistors or 48-volt through 6.8k resistors (switch selectable)

Limiter:

Threshold adjustable, +8 dBu to +18 dBu, 20:1 limiting ratio, 1 mS attack time, 200 mS release time.

Metering:

16 segment x 2 GaN (Gallium Nitride) meters, peak + VU responding, wicked bright

Power:

Internal: 2 AA alkaline batteries, 4 hours life typical, no phantom power
External: 10-17 VDC via 4-pin Hirose, pin 4 = +, pin 1 = -, completely isolated floating supply

USB Connectivity:

USB class-compliant device, analog input to USB output, USB monitoring in headphones

Temperature:

Operating: -20°C to 60°C, 0 to 95% relative humidity; (non-condensing), storage: -40°C to 85°C

Weight:

0.7 kg, 1.5 lbs with batteries

Dimensions:

43 mm x 94 mm x 140 mm (h x w x d), (1.7" x 3.7" x 5.5")

Optional Accessories:

- CS-1 - Compact Production Case
- XL-3 - TA3 to 3.5 mm (to DSLR mic input)
- XL-CAM - Mount (shown opposite page)

Description (continued)

inputs) and an aux-level output on 3.5 mm connection.

The "D" in MixPre-D indicates the infusion of extensive digital technology for even more output flexibility. Digital outputs include balanced AES3 on XLR. Additionally USB audio connectivity is provided for Mac OS, Windows or Linux computers. The MixPre-D is a flexible class-compliant USB audio interface.

A wide range of additional features in the MixPre-D make it a perfect complement to larger mixers, such as the Sound Devices 302 Compact Production Field Mixer and 552 Portable Production Mixer. These features include: MS stereo matrix, tone oscillator, internal slate microphone, return monitoring of both analog and USB audio, high-gain headphone output and two-AA battery or external 10-17 VDC powering.

The MixPre-D continues the heritage of Sound Devices original MixPre, which has been the go-to mixer for audio professionals that need the lightest, simplest and highest performance mixer available.



Discover more about Sound Devices products at www.sounddevices.com

Features, nomenclature, and specifications subject to change.
© 2011, Sound Devices, LLC