

US-100

USB Audio Interface



The US-100 is a simple yet high-quality USB 2.0 audio interface perfect for people getting started with recording. It features a microphone input as well as instrument level input for direct recording guitar or bass. Stereo line inputs are provided, and can be switched to phono-level to connect a favorite turntable to digitize a vinyl collection. All of this is housed in a solid aluminum chassis to withstand daily use from the road to the dorm room.

As a 48-kHz/16-bit stereo audio interface, the US-100 connects to and is powered by a Mac or Windows computer using USB 2.0. It offers a 3.5-mm stereo headphone output and zero-latency input monitoring as well as a separate control to adjust the balance between audio input and computer sound. A free copy of Audacity software is included to start recording right away.

Main Features

- **USB audio interface with two input and output channels**
- **44.1/48 kHz, 16-bit resolution**
- **Balanced microphone input (XLR or TRS)**
- **Guitar input with separate connector on front panel (TRS)**
- **Unbalanced stereo line input (RCA), switchable to RIAA phono for direct connection of analogue turntables**
- **Ground terminal for turntables**
- **Unbalanced stereo line output (RCA)**
- **Headphones output (mini-jack)**
- **Direct monitoring function allows latency-free input monitoring**
- **Power supplied by USB connection – no AC adapter required**
- **Operates using standard Windows and Mac OS X audio drivers**
- **Audacity recording software included**

Specifications

Inputs and outputs	
Microphone input (XLR, balanced)	XLR-3-31 (1 = GND, 2 = HOT, 3 = COLD)
Input impedance	2.2k Ω or more
Nominal input level	-62 dBu to -23 dBu
Maximum input level	-7 dBu
Microphone input (TRS, balanced)	6.3-mm TRS jack (Tip = HOT, Ring = COLD, Sleeve = GND)
Input impedance	2.2k Ω or more
Nominal input level	-62 dBu to -23 dBu
Maximum input level	-7 dBu
Line input (unbalanced)	2 x RCA
Input impedance	10k Ω
Nominal input level	-10 dBV (INPUT knob minimized)
Maximum input level	+6 dBV
RIAA Phono input (Line input set to PHONO)	
Input impedance	47k Ω
Nominal input level	-50 dBV (INPUT knob minimized)
Maximum input level	-34 dBV
Guitar input	6.3-mm jack
Input impedance	1M Ω
Maximum input level	+3 dBV
Line output	2 x RCA

Output impedance	200 Ω
Maximum output level	0 dBV
Headphones output	3.5-mm stereo mini-jack
Maximum output power	15 mW + 15 mW or more (32 Ω load, THD+N 0.1% or less)
USB connector	USB B type, 4 pin
Formats	USB 2.0 Hi-speed (480 Mbit/s) USB 2.0 Full-speed (12 Mbit/s, USB 1.1 equivalent)

Audio performance

Frequency response (MIC IN to OUTPUT)	20 Hz – 20 kHz, +1/-2 dB
Noise level (MIC IN to OUTPUT, when direct monitoring)	-90 dB(A) (Input 150 Ω terminated, INPUT knob minimized, BALANCE knob INPUT, OUTPUT level -10 dBFS)
Total harmonic distortion (MIC IN to OUTPUT, when direct monitoring)	0.1% or less (INPUT knob minimized, 1 kHz, -7 dBu input, Output level -10 dBFS)
Sampling frequency	44.1/48 kHz
Quantization bit rate	16-bit

System requirements

Supported OS	Windows XP 32-bit/64-bit Windows Vista 32-bit/64-bit Windows 8 compatibility approved Mac OS X 10.3.9 or later Mac OS 10.8 compatibility approved
Drivers	WDM (standard Windows driver) Core Audio (standard Mac OS X driver)

Other specifications

Power supply	Supplied from computer by USB
Power consumption	1 W
Dimensions (W x H x D)	150 mm x 41 mm x 128 mm
Weight	0.53 kg
Operating environment temperature	5-35 $^{\circ}$ C (41-95 $^{\circ}$ F)
Bundled software	Audacity (for Windows and Mac OS X)

Design and specifications subject to change without notice.

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