

US-800

USB Audio/MIDI Interface (8 in / 4 out)



The US-800 is a lightweight, high-quality multi-channel recording interface for laptop users and other computer recordists. It offers eight inputs and four outputs with 96 kHz/24-bit audio converters to record every detail. Six analogue inputs with XLR/TRS combo connectors can be used simultaneously for microphones (all 6 channels), instruments (2 channels) and/or line level sources (4 channels) while digital equipment links to an SPDIF I/O. Phantom power for attaching condenser microphones is available for all mic inputs and each of the analogue inputs has a level control as well as signal and overload LEDs.

The US-800 has two headphones connectors, a stereo analogue RCA output as well as MIDI in and out for linking up to your instruments and recording software. The unit is powered by an included AC adapter and, with a touch of a switch, this computer interface may even be used as standalone microphone preamp!

Main Features

- Provides 8 audio inputs and 4 audio outputs (two analogue, two digital) plus one MIDI input and output for a Windows or Macintosh computer
- Can be used as a standalone microphone/instrument/line preamplifier
- Up to 96 kHz sampling rates at 16/24-bit resolution for high recording quality
- Built-in DSP mixer for flexible routing and monitor mixing
- 2 mic/instrument inputs with XLR/TRS combo connectors on front
- 4 mic/line inputs with XLR/TRS combo connectors on rear
- Stereo digital input and output (SPDIF, coaxial)
- 48 volt phantom power available on each mic input
- Input level control and signal/overload LEDs on each analogue input
- Analogue stereo output (RCA)
- 2 headphones outputs (3.5-mm and 6.3-mm)
- Separate controls for output level and headphones volume
- USB 2.0 equipped (also supports USB 1.1)
- AC adapter included (Tascam [PS-P520](#))
- Cubase LE 5 included

Specifications

AD/DA audio converters

Sample rate	44.1/48/88.2/96 kHz
Quantization	24-bit

Analogue audio inputs and outputs

Microphone inputs MIC IN 1-6 (balanced)	XLR-3-31
Input impedance	2.2 kOhm
Nominal input level	-14 dBu (0.15 Vrms)
Minimum input level	-58 dBu (0.001 Vrms)
Maximum input level	+2 dBu (0.98 Vrms)
Line inputs LINE IN 3-6 (balanced)	6.3-mm TRS jack
Input impedance	15 kOhm
Nominal input level	+4 dBu (1.23 Vrms)
Minimum input level	-40 dBu (0.008 Vrms)
Maximum input level	+20 dBu (7.75 Vrms)
Instrument inputs INST IN 1-2 (unbalanced)	6.3-mm jack
Input impedance	1 MOhm
Nominal input level	-13 dBV (0.22 Vrms)
Minimum input level	-57 dBV (0.001 Vrms)
Maximum input level	+3 dBV (1.41 Vrms)
Line outputs LINE OUT L-R (unbalanced)	RCA
Output impedance	200 Ohm
Nominal output level	-10 dBV (0.316 Vrms)

Maximum output level	+6 dBV (2 Vrms)
Headphones outputs PHONES 1-2	3.5-mm (1/8") stereo mini phone jack 6.3-mm (1/4") stereo phone jack
Maximum output power	49 mW + 49 mW (1 kHz, 0.1%, 32 Ohm)
Digital audio input and output	
Digital input, coaxial (DIGITAL IN)	RCA
Format	IEC 60958-3 (S/PDIF)
Digital output, coaxial (DIGITAL OUT)	RCA
Format	IEC 60958-3 (S/PDIF)
Other inputs and outputs	
MIDI input (MIDI IN)	5-pin DIN connector
Format	Standard MIDI format
MIDI output (MIDI OUT)	5-pin DIN connector
Format	Standard MIDI format
USB	4-pin USB type B
Format	USB2.0 High speed (480 Mbit/s)
Audio performance	
Frequency response	20 Hz-20 kHz +0.5/-1.5 dB (44.1/48 kHz, JEITA) 20 Hz-40 kHz +0.5/-1.5 dB (88.2/96 kHz, JEITA)
Signal-to-noise ratio	98 dB or higher (LINE IN to LINE OUT with Gain knobs at minimum, 44.1 kHz, JEITA)
Total harmonic distortion	0.007% or less (LINE IN to LINE OUT with Gain knobs at minimum, JEITA)
System requirements	
Windows	
Supported operating systems	Windows XP, 32 bit or 64 bit, SP2 or later Windows Vista, 32 bit or 64 bit, SP2 or later Windows 7, 32 bit or 64 bit
Supported computer systems	Windows compatible computer with a USB port (USB 2.0 is recommended)
CPU/clock	Pentium 4 1.4 GHz or faster AMD Athlon 1.4 GHz or faster or equivalent processor
Memory	1 GB or more
Macintosh	
Supported operating systems	Mac OS X 10.6.3 or later
Supported computer systems	Apple Macintosh series equipped with a USB port as standard equipment
CPU/clock	Intel processor
Memory	1 GB or more
Power requirements and other specifications	
Power supply	TASCAM PS-P520 AC adaptor (included)
Input voltage	100-240 V AC, 1.0 A
Output voltage	+5 V DC, 2.0 A
Power consumption	9 W
External dimensions (W x H x D)	262 x 41 x 152 mm (without projections) 262 x 44 x 165 mm (with projections)
Weight	0.8 kg
Operating temperature range	5-35 °C

Design and specifications subject to change without notice.

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