

## US-1800

### USB Audio/MIDI Interface (16 in 4)



The US-1800 is a single-rackspace USB 2.0 Audio/MIDI interface packed with I/O: 16 inputs and four outputs can be used simultaneously, making it ideal for live performance recording.

The US-1800 has eight studio-quality microphone inputs with phantom power, two line/instrument switchable inputs on the front, four additional balanced line inputs on the rear, overload indicators for each input, four line-level outputs, digital SPDIF I/O (output switchable to AES/EBU), independent monitor and headphone outputs with separate level controls and 16 channels of MIDI I/O. It offers zero-latency hardware monitoring and sampling rates up to 96kHz at 24-bit resolution. Cubase LE 5 is supplied as standard.

#### Main Features

- **Provides 16 audio inputs and 4 audio outputs plus one MIDI input and output for a Windows or Mac computer**
  - 8 mic/line inputs with phantom power (switchable for 4 channels each) and level indicators on front panel
  - Two 6.3-mm balanced line/instrument inputs on front
  - Four more balanced line inputs on rear panel
  - Four line outputs
- **Up to 96 kHz sampling rate at 24-bit resolution**
- **Separate stereo 6.3-mm monitor output**
- **Stereo digital I/O (input: SPDIF, output: switchable between SPDIF and AES/EBU)**
- **Analogue and digital inputs can be used simultaneously**
- **16-channel MIDI I/O**
- **Separate monitor and headphone level controls**
- **Zero-latency hardware monitoring**
- **USB 2.0 interface**
- **Steinberg Cubase LE 5 (Mac/PC) included**
- **1-U rackmount chassis**

#### Specifications

Analogue inputs and outputs	
Mic inputs 1-8	XLR-3-31
Type and wiring	Balanced (1: ground, 2: hot, 3: cold)
Input impedance	2.2 kOhm
Input level	-58 dBu (max. Gain) to -2 dBu (min. Gain)
Maximum input level	+14 dBu
Line in/Guitar inputs 9-10	6.3-mm phone jack
LINE IN/GUITAR switch set to LINE IN	
Type and wiring	Balanced (Tip: hot, Ring: cold, Sleeve: ground)
Input impedance	10 kOhm
Nominal input level	-42 dBu (max Gain) to +4 dBu (min. Gain)
Maximum input level	+20 dBu
LINE IN/GUITAR switch set to GUITAR	
Type	Unbalanced
Input impedance	700 kOhm
Nominal input level	-52 dBV (max Gain) to -6 dBV (min. Gain)
Maximum input level	+10 dBV
Inputs 11-14	6.3-mm phone jack
Type and wiring	Balanced (Tip: hot, Ring: cold, Sleeve: ground)
Input impedance	10 kOhm
Nominal input level	+4 dBu or -10 dBV (selectable with the LEVEL switch)
Maximum input level	+6 dBV / +20 dBu
Line outputs 1-4	6.3-mm phone jack
Type and wiring	Balanced (Tip: hot, Ring: cold, Sleeve: ground)
Output impedance	100 Ohm

Nominal output level	+4 dBu
Maximum output level	+20 dBu
Monitor output (L/R)	6.3-mm phone jack
Type and wiring	Balanced (Tip: hot, Ring: cold, Sleeve: ground)
Output impedance	100 Ohm
Nominal output level	+4 dBu
Maximum output level	+24 dBu
Phones output	6.3-mm stereo phone jack (Tip: L, Ring: R, Sleeve: ground)
Maximum output level	50 mW + 50 mW (32 Ohm, 1 kHz, 1 % distortion)

### Digital inputs and outputs

Digital input	RCA
Signal format	IEC 60958-3 Consumer (SPDIF)
Level	0.5 Vpp at 75 Ohm
Digital output	RCA
Signal format	Software-selectable between IEC 60958-3 Consumer (SPDIF) and IEC 60958-3 Professional (AES/EBU)
Level	0.5 Vpp at 75 Ohm

### Other inputs and outputs

MIDI input	5-pin DIN connector (standard MIDI format)
MIDI output	5-pin DIN connector (standard MIDI format)
USB connector	USB Series B connector
Format	USB 2.0

### Audio performance

Sampling rate	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
Quantization bit rate	16/24-bit
Frequency response	20 Hz - 20 kHz $\pm$ 1 dB (44.1/48 kHz) 20 Hz - 40 kHz $\pm$ 1/-3 dB (88.2/96 kHz) (MIC IN to LINE OUT, Gain knob at min., JEITA)
Signal-to-noise ratio	96 dB or more (MIC IN to LINE OUT, Gain knobs at minimum, 44.1 kHz, JEITA)
Total harmonic distortion	<0.01 % (MIC IN to LINE OUT, 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
Mac	
Supported operating systems	Mac OS X 10.6.3 or later
Supported computer systems	Apple Mac series equipped with a USB port as standard equipment
CPU/clock	Intel processor
Memory	1 GB or more

### Other specifications

Power supply	AC adapter Tascam PS-1225L
Input voltage	100-240 V AC, 50-60 Hz
Output voltage	12 V DC, 2 A
Power consumption	7.2 W
Overall dimensions (W x D x H)	483 mm x 280 mm x 44 mm
Weight	3.1 kg
Operating temperature range	5-35 °C

Design and specifications subject to change without notice.

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