

## US-2000

### 16/4-Channel USB Audio Interface



The US-2000 is Tascam's premiere multi-channel USB audio interface with 16 inputs and 4 outputs packed into only one rackspace. It has eight XLR mic inputs with phantom power, enough to record a large band, choir or drumset. An additional six balanced jack line inputs are provided for keyboards, amp modelers, effects processors and other line level sources. A stereo S/PDIF digital input and output bring the total to 16 inputs that can be recorded simultaneously.

The US-2000 transmits your sounds at up to 96 kHz sample rate and 24-bit resolution over a high-speed USB 2.0 connection to a Windows or Macintosh computer. To keep track of all of your input and output signals, the unit offers a meter bridge made up of 100 LEDs. Connections are located on the rear panel, except for a pair of combo jacks on the front for easy access. This pair can be used for instrument level sources like guitars or bass guitars.

Included with the US-2000 is a copy of Cubase LE 5 from Steinberg. This full-featured recording software captures up to 48 tracks of audio with another 64 MIDI tracks. You can edit your tracks to perfection using a variety of modes and tools. Automated mixing is included to create the perfect master. Cubase LE 5 supports VST effect and instrument plug-ins, with an assortment included with the application. Tascam's copy of Cubase LE 5 can record 16 channels at a time so you can take advantage of all the inputs on the US-2000.

#### Main Features

- **High-quality, 24-bit/96-kHz USB 2.0 audio interface**
- **Provides 16 audio inputs and 4 audio outputs for a Windows or Macintosh computer**
- **8 balanced microphone inputs with high-grade preamps**
  - 6 XLR connectors on the rear
  - 2 XLR/jack combo connectors on the front (switchable to Instrument level)
  - Inserts on mic channels 7 and 8
  - 48 Volt phantom power switchable for two channels each
- **6 balanced line inputs on rear (phone connectors, input level switchable between +4 dBu and -10 dBV)**
- **Mono switches for each analogue input channel pair**
- **Stereo digital input (SPDIF) and stereo digital output (selectable between SPDIF and AES/EBU)**
- **4 balanced line outputs**
- **Additional stereo monitor output**
- **High-level headphones output**
- **Direct monitor function allows zero-latency monitoring of inputs**
- **Separate level controls for Phones output, Monitor output, signals sent from computer, and signals received via the input connectors**
- **5-segment level meter for each input and output**
- **AC-powered (adapter not required)**
- **Solid metal chassis with aluminum front panel**
- **Cubase LE 5 included**
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#### Specifications

Analogue audio inputs and outputs	
MIC INPUTS (balanced) terminals (1-8)	XLR-3-31 (1: GND, 2: HOT, 3: COLD)
Input impedance	2.4 kOhm
Nominal input level	-60 dBu (When input gain knob is at maximum ) -4 dBu (When input gain knob is at minimum)
Maximum input level	+12 dBu (When input gain knob is at minimum)
INST IN (unbalanced) terminals (7-8)	6.3 mm standard phone jack
Input impedance	1 MOhm
Nominal input level	-56 dBu (When input gain knob is at maximum ) 0 dBu (When input gain knob is at minimum)
Maximum input level	+16 dBu (When input gain knob is at minimum)
LINE IN (balanced) terminals (9-14)	6.3 mm TRS standard phone jack

	(Tip: HOT, Ring: COLD, Sleeve: GND)
Input impedance	10 kOhm
Nominal input level	-10 dBV/+4 dBu
Maximum input level	+6 dBV/+ 20 dBu
LINE OUTPUTS (balanced) terminal	6.3 mm TRS standard phone jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Output impedance	100 Ohm
Nominal output level	+4 dBu
Maximum output level	+20 dBu
MONITOR OUT (Balanced) terminal	6.3 mm TRS standard phone jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Output impedance	100 Ohm
Nominal output level	+4 dBu
Maximum output level	+20 dBu
INSERT (unbalanced) terminal	6.3 mm TRS standard phone jack (Tip: SEND, Ring: RECEIVE, Sleeve: GND)
Output impedance	100 Ohm
Nominal output level	-2 dBu
Maximum output level	+14 dBu
Input impedance	10 kOhm
Nominal input level	-2 dBu
Maximum input level	+14 dBu
PHONES jack	6.3 mm standard stereo phone jack
Maximum output power	100 mW + 100 mW or more (THD + N less than 1%, 32Ω load)

### Digital audio input and output

DIGITAL IN (COAXIAL) terminal	RCA pin jack
Compatible signal format	IEC60958-3 (S/PDIF)
DIGITAL OUT (COAXIAL) terminal	RCA pin jack
Compatible signal format	IEC60958-3 (S/PDIF) or AES3-2003 (AES/EBU), selectable using control panel

### Other inputs and outputs

USB terminal	USB B type 4 pin
Format	USB 2.0 High speed (480 MBit/s)

### Audio performance

Sampling frequency	44.1/48/88.2/96 kHz
Resolution	16/24 bit
Frequency response (MIC to MONITOR OUTPUT)	44.1/48 kHz sample rate: 20 Hz - 20 kHz, ±1.0 dB 88.2/96 kHz sample rate: 20 Hz - 40 kHz, +0.5/-2.0 dB
Signal-to-noise ratio	96 dB (MIC IN to LINE OUT, Gain = min., Fs = 44.1 kHz, JEITA)
Total harmonic distortion	<0.01% (LINE IN to MONITOR OUTPUT, 1 kHz, +20 dBu input, 20 kHz LPF)

### Computer requirements

Windows	
Supported operating systems	Windows XP 32/64 bit SP2 or later Windows Vista 32/64 bit SP2 or later Windows 7 32/64 bit
Supported computer systems	Windows compatible computer with a USB 2.0 port
CPU/clock	Pentium 4 1.4 GHz or faster AMD Athlon 1.4 GHz or faster (or equivalent processor)
Memory	512 MB or more for the 32-bit versions of Windows XP, Windows Vista and Windows 7 1 GB or more for the 64-bit versions of Windows XP, Windows Vista and Windows 7
Macintosh	
Supported operating systems	Mac OS X 10.4.11 Mac OS X 10.5.6 Mac OS X 10.6 (32-bit and 64-bit versions)
Supported computer systems	Apple Macintosh series equipped with a USB port as standard equipment
CPU/clock	Power PC G4 1 GHz or faster, or Intel processor
Memory	512 MB or more

### Power requirements and other specifications

Power supply	100-240 V AC, 50-60 Hz
Power consumption	14 W
Dimensions (W x H x D)	483 mm x 44 mm x 280 mm

Weight	2.5 kg
Operating temperature	5–35 °C
Bundled software	Cubase LE 5 (for Windows and Mac OS X)

Design and specifications subject to change without notice.

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