

US-600

USB Audio/MIDI Interface (6 in / 4 out)



The US-600 is a USB 2.0 Audio/MIDI interface with six inputs and four outputs and the perfect choice for multi-track recording with your computer. All input channels can be captured at up to 96-kHz/24-bit audio resolution. Four high-definition XLR microphone inputs include phantom power for detailed recording with condenser microphones. Each input uses an XLR/TRS combo jack to support microphone or line level sources and includes a signal/clip LED to help you set your input level. Input 1 can be switched to instrument-level for direct recording of guitar or bass, and a direct monitor path allows musicians to hear their performance without a delay from the computer. On the rear panel, the US-600 includes a pair of unbalanced outputs, MIDI input and output and a stereo SPDIF digital in and out.

The US-600 comes with a copy of Cubase LE 5 – the latest version of Steinberg's 48-track workstation software. VST plug-in support, automated mixing and MIDI tracks allow you to craft large productions. If you want to use your own software, the US-200 supports most Mac and Windows audio applications such as Logic Pro, Live, Nuendo, Digital Performer, Fruity Loops, Pro Tools 9 and more.

Main Features

- Provides 6 audio inputs, 4 audio outputs (two analogue, two digital) plus one MIDI input/output for a Windows or Macintosh computer
- Ideal for high-quality multi-track home or mobile recording
- Full 24-bit/96-kHz recording without reduction of inputs/outputs
- Zero-latency analogue direct monitoring
- 4 analogue audio inputs with high-quality microphone preamps and switchable phantom power
- Stereo SPDIF digital input (coaxial)
- One input switchable to instrument level for direct connection of a guitar or bass
- XLR/TRS combo connectors (balanced) on each analogue input
- Line inputs 1/2 and 3/4 each switchable to mono
- Signal and overload indicators on each input channel
- 2 analogue outputs on RCA connectors (unbalanced)
- Stereo SPDIF digital output (coaxial)
- Level control for headphones and line output
- Monitor mix level control for headphones and line output
- USB 2.0 equipped
- Powered by AC adapter Tascam PS-P520 (included)
- Cubase LE 5 included
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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 1-4, balanced)	XLR-3-31
Input impedance	2.2 kOhm
Nominal input level	-14 dBu (0.15 Vrms)
Minimum input level	-57 dBu (0.001 Vrms)
Maximum input level	+2 dBu (0.98 Vrms)
Line inputs (LINE IN 1-4, balanced)	6.3-mm TRS jack
Input impedance	15 kOhm
Nominal input level	+4 dBu (1.23 Vrms)

Minimum input level	−39 dBu (0.008 Vrms)
Maximum input level	+20 dBu (7.75 Vrms)
Instrument input (INST IN 1, unbalanced)	6.3-mm jack
Input impedance	1 MOhm
Nominal input level	−13 dBV (0.22 Vrms)
Minimum input level	−56 dBV (0.001 Vrms)
Maximum input level	+3 dBV (1.41 Vrms)
Line outputs (LINE OUT 1-2, unbalanced)	RCA
Output impedance	200 Ohm
Nominal output level	−10 dBV (0.316 Vrms)
Maximum output level	+6 dBV (2 Vrms)
Headphones output (PHONES)	6.3-mm (1/4") stereo phone jack
Maximum output power	49 mW + 49 mW (1 kHz, THD 0.1 %, 32 Ohm)

Digital audio input and output

Stereo digital input (coaxial)	RCA
Format	IEC60958-3 (SPDIF)
Stereo digital output (coaxial)	RCA
Format	IEC60958-3 (SPDIF)

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/−1.0 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 (LINE IN to LINE OUT with Gain knobs at minimum, 44.1 kHz, JEITA)
Total harmonic distortion	≤0.0045 % (LINE IN to LINE OUT with Gain knobs at minimum, JEITA)
Channel separation	>95 dB (LINE IN to LINE OUT, 1 kHz, +20 dBu)

System requirements

Windows	
Operating systems	Windows XP, 32 bit, SP3 or later Windows XP, 64 bit, SP2 or later Windows Vista, 32 bit or 64 bit, SP2 or later Windows 7, 32 bit or 64 bit
Computer systems	Windows compatible computer with a USB 2.0 port
CPU/clock	Pentium 4, 1 GHz or faster AMD Athlon, 1 GHz or faster or equivalent processor
Memory	1 GB or more
Protocols	ASIO 2, WDM (MME)
Macintosh	
Supported operating systems	Mac OS X 10.5.8 or later 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 or PowerPC G4, 1 GHz or faster
Memory	1 GB or more
Protocols	CoreAudio, CoreMIDI

Power requirements and other specifications

Power supply	AC adapter Tascam PS-P520 (included)
Power consumption	4 W
External dimensions (W x H x D)	222 mm x 41 mm x 151 mm (without projections) 222 mm x 44 mm x 165 mm (with projections)
Weight	0.58 kg
Operating temperature range	5–35 °C
Bundled software	Cubase LE 5 (for Windows or Mac OS X)

Design and specifications subject to change without notice.

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