TASCAM
TEAC PROFESSIONAL

US-366

USB Audio Interface

The US-366 combines compelling new technologies like on-board digital mixer and on-board digital effects along with advances on the wildly popular US-144MKII interface. The US-366 sports an aluminum casing for rugged reliability plus new improved HDDA (High Definition Discrete Architecture) microphone preamplifiers. These HDDA mic pres offer a wider frequency response (10 Hz to 68 kHz), high S/N ratio (98 dB), very low input noise (-120 dBu) and low distortion (0.0045 %) – qualities rarely achieved in interfaces this affordable. In combination with the 24-bit/192-kHz recording capability, this certifies the US-366 as the best sounding interface to be released by Tascam yet.
The US-366 features two audio inputs with XLR connectors for microphones and TRS connectors for line-level sources. Input one can be switched to high impedance for direct connection of an electric guitar or bass. Two line outputs are provided with TRS and RCA connectors. With two additional line-level RCA connectors that can be used as input or output plus one digital RCA/Optical input and output, the US-366 can be used as six-in/four-out or four-in/six-out audio interface.
A "Mixer Panel" button will instantly bring Tascam's new mixing console and on-board insert/send effects (compressor, EQ, reverb) to the computer screen for easy-to-use, versatile recording. The digital mixer offers two operational modes for multi-tracking and stereo mixes.

Main Features

- **Provides six audio inputs and four audio outputs (or four inputs and six outputs, depending on the setting of Line connectors 3 and 4) for a Windows or Mac computer**
- **Two XLR/TRS balanced mic/line inputs**
  - Tascam HDDA microphone preamplifiers (High Definition Discrete Architecture means a differential preamplifier circuit based on selected transistors and other selected electronic components offering high S/N ratio, low input-referred noise and low distortion)
  - Switchable phantom power (48 volt) for condenser microphones
  - One TRS input switchable to high impedance for use with guitars, basses, etc.
- **Two line connectors (RCA, switchable input/output)**
- **Two line outputs (balanced TRS)**
- **Stereo digital input (selectable coaxial or optical, up to 192 kHz)**
- **Stereo digital output (coaxial and optical simultaneously, up to 192 kHz)**
- **Sampling rate up to 192 kHz / 24 bit**
- **On-board digital mixer, selectable between "Multi Track" and "Stereo Mix" modes:**
  - Multi Track mode for DAW recording and composing: Create a monitor mix independent
- **Dedicated button for opening/closing the mixer panel on the computer**
- **On-board effects:**
  - Insert effects (compressor, de-esser, 3-band EQ, etc.) to be used for input channels or the stereo mix
  - Reverb send effect to be used for any mixer channel
  - One insert effect plus Reverb can be used simultaneously at sampling rates of 44.1 kHz and 48 kHz
  - One digital effect can be used at sampling rates of 88.2 kHz and 96 kHz
- **Loop-back function allows sounds from the computer to be mixed and sent back to the computer (in Stereo Mix mode)**
- **Low-latency monitoring**
- **Monitor mix control for adjusting the level balance between signals from external devices and signals from the computer**
- **Output selector for each output, selectable between internal mixer and computer signals**
- **Headphones output with level control**
- **Remote connector for external control (e.g. RC-3F foot switch)**
- **USB 2.0 bus-powered, no AC adapter required**
- **Cubase LE6 included (future packages will**

of the actual recording levels
    - Stereo Mix mode for internet broadcasting and video editing: Create a stereo mix of two different sources plus loop-back signal from the computer
- **Mixer panel for intuitive mixing and effects handling on the computer screen**

include Sonar X3 LE and Ableton Live instead)
- **Compatible computer operating systems:**
    - Windows XP, Windows 7, Windows 8
    - Mac OS X Snow Leopard, Lion, Mountain Lion

Specifications

Audio specifications	
Sample rate	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
Quantization	24-bit

Audio inputs and outputs	
Microphone inputs (MIC INPUT 1/L, MIC INPUT 2/R)	XLR-3-31
Input impedance	2.2 kΩ
Nominal input level (INPUT knob at maximum)	–65 dBu
Minimum input level (INPUT knob at minimum)	–22 dBu
Maximum input level (INPUT knob at minimum)	–6 dBu
Line inputs (LINE/GUITAR INPUT 1/L, LINE INPUT 2/R)	6.3-mm TRS jack
INPUT 1/L when MIC/LINE-GUITAR switch set to MIC/LINE and INPUT 2/R	
Input impedance	15 kΩ
Nominal input level (INPUT knob at maximum)	–39 dBu
Minimum input level (INPUT knob at minimum)	+4 dBu
Maximum input level (INPUT knob at minimum)	+20 dBu
INPUT 1/L when MIC/LINE-GUITAR switch set to GUITAR	
Input impedance	1 MΩ
Nominal input level (INPUT knob at maximum)	–55 dBV
Nominal input level (INPUT knob at minimum)	–12 dBV
Maximum input level (INPUT knob at minimum)	+4 dBV
Line inputs (LINE IN 3-4)	RCA pin jacks
When LINE I/O switch set to INPUT	
Input impedance	15 kΩ
Nominal input level	–10 dBV
Maximum input level	+6 dBV
Line outputs (LINE OUT 1/L, LINE OUT 2/R)	6.3-mm TRS jack
Output impedance	100 Ω
Nominal output level	+4 dBu
Maximum output level	+20 dBu
Line outputs (LINE I/O 3-4)	RCA pin jacks
When LINE I/O switch set to OUTPUT	
Output impedance	200 Ω
Nominal output level	–10 dBV
Maximum output level	+6 dBV
Headphones outputs (PHONES)	6.3-mm stereo phone jack
Maximum output power	18 mW + 18 mW (THD+N ≤1%, into 32 Ω)
Digital input, coaxial	RCA pin jack
Format	IEC60958-3 (SPDIF)
Digital input, optical	TOS (JEITA RC-5720C)
Signal format	IEC60958-3 (SPDIF)
Digital output, coaxial	RCA pin jack
Signal format	IEC 60958-3 (S/PDIF)/IEC 60958 professional (AES/EBU) (Set on the INTERFACE page of the Mixer Panel)
Digital output, optical	TOS (JEITA RC-5720C)
Signal format	IEC 60958-3 (S/PDIF)/IEC 60958 professional (AES/EBU) (Set on the INTERFACE page of the Mixer Panel)

Other inputs and outputs	
USB	B-type, 4-pin
Format	USB 2.0 High speed (480 MHz)
REMOTE input	2.5-mm TRS jack
Supported protocol	TASCAM RC-3F

Audio performance	
ADC chipset dynamic range	102 dB (48 kHz, A-weighted)
DAC chipset dynamic range	106 dB (44.1 kHz, A-weighted)
Frequency response, MIC IN to LINE OUT	10 Hz – 68 kHz, ±3.0 dB (176.4/192 kHz, JEITA)
Frequency response, MIC IN to PHONES	10 Hz – 30 kHz, ±1.0 dB (176.4/192 kHz, JEITA)
S/N ratio	98 dB or higher (MIC IN to LINE OUT, gain knob at

	minimum, 176.4/192 kHz, JEITA)
Equivalent input noise	–120 dBu or less (MIC IN to LINE OUT, gain knob at maximum, 176.4/192 kHz, JEITA)
Total harmonic distortion	0.0045 % or less (MIC IN to LINE OUT, gain knob at minimum, 176.4/192 kHz, JEITA)

Computer requirements	
Supported operating systems, Windows	Windows XP, 32-bit, SP3 or later, Windows XP, 64-bit, SP2 or later, Windows 7, 32-bit, SP1 or later, Windows 7, 64-bit, SP1 or later, Windows 8, 32-bit, Windows 8, 64-bit (Windows Vista 32/64-bit not supported)
Hardware requirements, Windows	Windows compatible computer with a USB2.0 port CPU/clock speed: Dual core processor 2 GHz or faster (x86) Memory: 2 GB or more
Supported operating systems, Mac OS X	Mac OS X 10.6.8 (Snow Leopard), Mac OS X 10.7.X (Lion), Mac OS X 10.8.X (Mountain Lion)
Hardware requirements, Mac OS X	Apple Mac with a USB2.0 port CPU/clock speed: Dual core processor 2 GHz or faster (x86) Memory: 2 GB or more
Supported audio drivers	ASIO 2.0, WDM (MME), Core Audio
Supported remote control protocol	Mackie Control, HUI

Power supply and other specifications	
Power supply	Supplied by USB from a computer (5 V, 500 mA maximum current)
Power consumption	2.5 W
External dimensions (L x W x H)	140 mm x 140 mm x 42 mm (without projections)
Weight	500 g
Operating temperature range	5–35 °C
Bundled software	Cubase LE for Windows or Mac OS X (future packages will include Sonar X3 LE and Ableton Live instead)

Design and specifications subject to change without notice.

Last modified: 2015-02-12 12:33:14 UTC