

US-144MKII

USB 2.0 Four-channel Audio/MIDI Interface



The US-144MKII seamlessly continues the worldwide success of its predecessor US-144 offering better recording quality from a unit further reduced in size. Since it doesn't require an additional power supply, this portable audio/MIDI interface is perfect for creating 4-channel recordings from analogue and digital sources with a laptop computer.

XLR microphone inputs with switchable phantom power and high-quality preamps are the basis for good-sounding recordings, while input signals can be listened to by headphones with zero latency. Line-level and digital sources or an instrument can be connected as well. And there are separate level controls for the line and headphones outputs, a mono switch, MIDI input and MIDI output, as well as a coaxial SPDIF output.

The US-144MKII supports sample rates up to 96 kHz at 24-bit resolution. While commercial audio CDs are produced at 44.1 kHz/16-bit, this interface offers you more than double the sample rate which means more detail for your recordings. (If you're fine with two audio channels and you don't need a digital I/O, have a look at the Tascam **US-122MKII**.)

Main Features

- Provides four audio inputs and four audio outputs (two analogue, two digital) for a Windows or Mac computer
- Two XLR mic inputs
- Switchable phantom power (48 volt)
- High-quality, low-noise mic preamps
- Two analogue line inputs (one switchable to high impedance for use with guitars, basses, etc.)
- Stereo digital audio input and output (input: SPDIF, output: selectable SPDIF or AES/EBU)
- MIDI input, MIDI output
- Up to 96-kHz/24-bit for high quality recordings
- Zero-latency hardware monitoring with level control and mono switch
- Separate controls for output level and headphones volume
- USB 2.0 equipped (also supports USB 1.1)
- USB-powered, no AC adapter required
- Solid aluminum side panels
- Cubase LE 5 included

Specifications

Analogue audio inputs and outputs	
Mic input	XLR, balanced
Nominal input level	-58 dBu (INPUT control set to MIC) -14 dBu (INPUT control set to LINE)
Maximum input level	+2 dBu (INPUT control set to LINE)
Headroom	16 dB
Input impedance	2.2 kOhm
Line input	6.3-mm jack, unbalanced
Nominal input level	-40 dBu (INPUT control set to MIC) +4 dBu (INPUT control set to LINE)

Maximum input level	+20 dBu (INPUT control set to LINE)
Headroom	16 dB
Input impedance	15 kOhm
Guitar input (LINE/GUITAR IN R, GUITAR position)	6.3-mm jack, unbalanced
Nominal input level	-51 dBu (INPUT control set to MIC) -7 dBu (INPUT control set to LINE)
Maximum input level	+9 dBV (INPUT control set to LINE)
Headroom	16 dB
Input impedance	1 MOhm
Line output (LINE OUT)	RCA, unbalanced
Nominal output level	-10 dBV
Maximum output level	+6 dBV
Output impedance	200 Ohm
Phones output (PHONES)	6.3-mm stereo jack
Maximum output power	18 mW + 18 mW (32 Ohm)

Digital audio input and output

Digital input (DIGITAL IN)	RCA (coaxial)
Format	IEC 60958-3 (SPDIF)
Digital output (DIGITAL OUT)	RCA (coaxial)
Format	IEC 60958-3 (SPDIF) or IEC 60958-4 (AES/EBU), selectable via the software control panel

Other inputs and outputs

MIDI IN and MIDI OUT	5-pin DIN connector (conform to MIDI specification)
USB port	USB series B connector (4-pin)
Format	USB 2.0 High speed (480 MHz) USB 2.0 Full speed (12 MHz, USB 1.1 equivalent)

Audio performance

Sampling rate	44.1 kHz / 48 kHz 88.2 kHz / 96 kHz (USB 2.0, High-speed only)
Bit depth	16/24 bit
Frequency response (MIC IN to LINE OUT)	
44.1/48 kHz sampling rate	20 Hz - 20 kHz, +0.5 dB/-1 dB
88.2/96 kHz sampling rate	20 Hz - 40 kHz, +0.5/-1.5 dB
Signal-to-noise ratio (LINE IN to LINE OUT, INPUT control set to LINE, 20 kHz LPF)	
Through ADC and DAC	98 dB(A)
Through direct monitor	107 dB(A)
Total harmonic distortion (LINE IN to LINE OUT, INPUT control set to LINE, 1 kHz, +20 dBu input, 20 kHz LPF)	
Through ADC and DAC	0.0045%
Through direct monitor	0.002%

Host computer compatibility

Windows	
Operating systems	Windows XP 32/64 bit SP2 Windows Vista 32/64 bit SP2 Windows 7 32/64 bit or later
Computer	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	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
Mac	
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) or later
Computer	Apple® Mac® 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 supply and other specifications

Power supply	via USB (5 V, max. 500 mA)
Operating temperature	5-35 °C

Dimensions (L x W x H)	179 mm x 136 mm x 47 mm
Weight	0.7 kg
Included accessories	USB cable, Cubase LE 5

Design and specifications subject to change without notice.

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