

Specifications MiNiSTUDIO Creator US-42B

Audio specifications	
Sampling frequencies	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
Quantization bit depth	16/24 bit
Analogue audio inputs	
Mic inputs 1/2 (balanced)	XLR-3-31 (1: GND, 2: HOT, 3: COLD) 6.3-mm standard TRS stereo jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Input impedance	2.4 k Ω
Nominal input level (VOLUME at MAX)	-65 dBu (0.0004 Vrms)
Nominal input level (VOLUME at MAX)	-20 dBu (0.0775 Vrms)
Maximum gain	45 dB
Instrument inputs 1/2 (unbalanced)	6.3mm standard TS jacks (Tip: HOT, Sleeve: GND)
Input impedance	1 M Ω or higher
Maximum gain	45 dB
External mic inputs (can provide plug-in power)	3.5-mm 4-pole mini jack 3.5-mm mini jack
Input impedance	5 k Ω or higher
Maximum gain	45 dB
External input jack	3.5-mm stereo mini jack
Input impedance	5 k Ω or higher
Maximum input level	+7.7 dBV (2.427 Vrms)
Analogue audio outputs	
Line outputs (unbalanced, LINE OUT R/L)	RCA pin jacks
Output impedance	200 Ω or higher
Nominal output level	-10 dBu (0.316 Vrms)
Maximum output level	+6 dBu (1.995 Vrms)
Headphones outputs	Standard 6.3-mm stereo jack 3.5-mm 4-pole mini jack 3.5-mm stereo mini jack
Maximum output power	15 mW + 15 mW or higher (THD+N 0.1% or less, 32 Ω)
Other inputs and outputs	
USB	4-pin USB B-type
Transfer rate	USB 2.0 Hi-speed (480 Mbit/s)
Power supply (DC IN 5V)	USB Micro B type
Audio performance	
Mic preamp EIN (equivalent input noise)	-120 dBu or less (150 Ω termination, VOLUME at MAX)
Frequency response (IN 1 / IN 2 to LINE OUT/headphones output (6.3-mm stereo jack))	
44.1/48 kHz	20 Hz: +0/-1 dB (JEITA)

Audio performance

	20 kHz: +0/-1 dB (JEITA) 20 kHz: +0 /-3 dB (headphones output, JEITA)
88.2/96 kHz	20 Hz: +0/-1 dB (JEITA) 40 kHz: +0/-1 dB (JEITA) 40 kHz: +0 /-3 dB (headphones output, JEITA)
S/N ratio	100 dB or higher (IN 1 / IN 2 to LINE OUT, VOLUME at MIN, JEITA)
Distortion	0.005 % or less (IN 1 / IN 2 to LINE OUT, 1 kHz sine wave, nominal input level, maximum output level, JEITA)
Crosstalk attenuation	95 dB or more (IN 1 / IN 2 to LINE OUT, 1 kHz sine wave, JEITA)

Operation requirements

Windows

Computer hardware requirements	Windows-compatible computer with a USB 2.0 (or higher) port
CPU/processor speed	2 GHz or faster dual core processor (x86)
Memory	2 GB or more
Supported audio driver	ASIO 2.0, WDM

Mac

Computer hardware requirements	Mac with a USB 2.0 (or higher) port
CPU/processor speed	2 GHz or faster dual core processor
Memory	2 GB or more
Supported audio driver	Core Audio

Power supply and other specifications

Power supply

Used with a computer	USB bus power
Used with an iOS device	USB power adapter (that can supply 5 V and a current of at least 700 mA) ¹ External battery pack (that can supply 5 V and a current of at least 700 mA) ²

¹ We strongly recommend using the USB power adapter included with the iPad/iPhone. No USB power adapter is included with an iPod Touch. To use it with an iPod Touch, purchase a genuine Apple USB power adapter (that can supply 5 V and a current of at least 700 mA) separately.

² We strongly recommend using a Tascam BP-6AA external battery pack. If using another external battery pack or mobile battery, purchase one that can supply 5 V and a current of at least 700 mA.

Power consumption	2.5 W
Dimensions (H × W × D, without protrusions)	40 mm × 200 mm × 130 mm
Weight	500 g
Operating temperature range	5–35 °C