

iU2

Audio/MIDI interface for iPad, iPhone, iPod



The iU2 is a premium sound-quality audio interface for the iPad*, iPhone and iPod Touch. It includes all of the features of Tascam's best-selling USB audio interfaces, including a pair of high-quality microphone inputs. The XLR inputs have phantom power for use with studio condenser microphones. These feed an onboard microphone preamp and A/D converter for better sound performance than those built into the iOS device – true stereo recording with low noise and less tendency to distort. The inputs also accept line-level signals or you can plug a guitar or bass directly into your device. In addition to compatibility with iOS devices, the iU2 also works with Mac and Windows computers. A zero-latency monitoring path allows musicians to hear themselves directly through the unit, without any distracting delay. MIDI in and out are provided to interface with synths and drum machines, and a digital output connects to digital mixers or recorders. An appropriate 2-track recording application (**Tascam PCM Recorder**) can be downloaded from AppStore at no charge.

Main Features

- **Audio/MIDI interface for mobile recording using an Apple iPhone, iPad* or iPod Touch 4G**
- **Can also be used with Macintosh and Windows computers (supports WDM as well as CoreAudio and CoreMIDI)**
- **TRS balanced mic/line input (up to 24 dB input level)**
- **Phantom power for condenser microphone (needs external USB power)**
- **Left channel switchable to instrument level**
- **Latency-free direct input monitoring**
- **Coaxial digital output**
- **RCA unbalanced line output**
- **Headphones output**
- **Audio resolution:**
 - 44.1kHz/16-bit with iPhone4/iPad*/iPod Touch 4G
 - 48kHz/16-bit and 44.1kHz/16-bit with Mac/PC
- **Supplies power to the iOS unit when connected to a USB bus**
- **Supports iOS 4.3 or later**
- **Tascam 2-track recording app can be downloaded from AppStore at no charge**
- **TRS/XLR conversion cables included to connect sources with standard XLR cables**
- **Mini jack/MIDI conversion cables included**

***The compatibility with the new iPad (3rd generation) is currently under investigation. Please check this product page from time to time to see if the iU2 can be used flawlessly with that Apple product.**

Specifications

Analogue inputs and outputs	
MIC 1/2 input (INPUT L/R, balanced, INPUT L/R switches set to MIC)	6.3 mm TRS standard jack (Tip: HOT, Ring: COLD, Sleeve: GND)
Input impedance	2.2 kOhm
Nominal input level	-63 dBu to -17 dBu
Maximum input level	-1 dBu
Line L/R input (balanced, INPUT L/R switches set to LINE)	6.3 mm (1/4") standard TRS jack

	(Tip: HOT, Ring: COLD, Sleeve: GND)
Input impedance	10 kOhm
Nominal input level	-38 dBu to +8 dBu
Maximum input level	+24 dBu
Guitar input (unbalanced, INPUT L switch set to GUITAR)	6.3 mm standard TS jack (Tip: HOT, Sleeve: GND)
Input impedance	1 MOhm
Nominal input level	-55 dBV to -12 dBV
Maximum input level	+4 dBV
Line output L/R (unbalanced)	RCA pin jack
Output impedance	100 Ohm
Maximum output level	+6 dBV
Headphones output	3.5 mm (1/8") stereo mini jack
Maximum output power	10 mW + 10 mW

Digital output ratings

Coaxial (DIGITAL OUT)	RCA pin jack
Format	IEC 60958-3 (S/PDIF)
Output impedance	75 Ohm
Output level	0.5 Vpp/75 Ohm

Other inputs and outputs

MIDI input (MIDI IN)	3.5 mm stereo mini jack
Format	Standard MIDI format
MIDI output (MIDI OUT)	3.5 mm stereo mini jack
Format	Standard MIDI format
USB	Mini-B type 5 pin
Format	USB 2.0 Full speed (12 Mbit/s)
iOS Dock (Dock cable)	iOS Dock type 30 pin
Format	USB 2.0 Full speed (12 Mbit/s)

Audio performance

Sampling frequency	44.1/48 kHz
Quantization bit rate	16-bit
Frequency response	20 Hz to 20 kHz +1/-3 dB (Mic/Line input to Line output, JEITA)
Signal-to-noise ratio	90 dB or more (Mic/Line input to Line output, JEITA)
Total harmonic distortion	0.02% or less (Mic/Line input to Line output, JEITA)

System requirements

Supported operating systems	Windows XP 32-bit/64-bit Windows Vista 32-bit/64-bit Windows 7 32-bit/64-bit Mac OS X 10.4.6 or later iOS device 4.3 or later
Drivers	
Windows	WDM (standard Windows driver)
Mac OS X	Core Audio, Core MIDI (standard Macintosh driver)

Power supply and other specifications

Power	supplied by iOS device via the dock connector cable or by computer via a USB cable
Power consumption	2.5 W
Dimensions (W x H x D)	110 mm x 20 mm x 110 mm
Weight	220 g
Operating environment temperature	5-35 °C

Design and specifications subject to change without notice.

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