



Professional stereo audio USB interface

UAX 220-Mic

The UAX220-Mic is a professional USB Audio interface for broadcast and other demanding pro audio applications featuring 2/2 balanced analog high-quality I/Os. Under its compact and sleek design, it combines Digigram's leading edge experience in audio performance with the ease of use of standard USB Audio. With two professional grade mic preamps, the UAX220-Mic is the most efficient Pro Audio interface for portable use.

A true plug-and-play device, the UAX220-Mic is the perfect solution for use with multiple computers, such as a laptop computer on the road and a desktop PC in the newsroom or studio. When connected to the USB port of a computer, the UAX220-Mic is immediately operational: no need for a specific driver or bulky external power supply.

Applications

- Broadcast (newsroom, mobile journalist workstation)
- Live performance (theatrical playback, special effects, sound system calibration)
- Recording on location
- Logging, legal recording, and archiving
- DJ applications
- Music production

Key features

- 2/2 high-quality balanced analog line inputs and outputs
- Continuous 0-55 dB gain and 48V phantom power on each input

- +10 dBu max input level
- Special recording modes:
 - 1+2: Both inputs may be recorded mixed to one mono track
 - Loop back: digital recording of the played streams, to record a web radio for instance or a DVD soundtrack
- Dedicated headphone output stage supporting low impedance headphones, with independent level control
- Zero-latency direct monitoring with mono/stereo switch
- Professional Neutrik™ XLR connectors and Neutrik™ headphone jack with lock
- USB Audio compliant (no driver to install)
- Buttons for fast, intuitive control
- Powered through USB (no external power supply needed)
- Supported operating systems: Windows XP, Mac OS X, Linux
- DirectSound, Core Audio, ALSA, and Virtual PCX management. ASIO management via third-party interface.
- Delivered in a convenient flat bag
- Compatible with laptop padlocks

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CONFIGURATION	
Bus/Format	USB1.1 (compatible with USB2.0 ports) Compliant with the USB Audio specification
Size	144 mm X 87 mm X 34 mm Integrated USB cable: 1.5 m - Integrated audio cables: 0.75 m
Operating: temp / humidity (non-condensing)	0°C / +50°C • 5% / 90%
Storage : temp / humidity (non-condensing)	-5°C / +70°C • 0% / 95%
INPUTS/OUTPUTS	
Analog inputs (mono)	2 balanced mic/line
Switchable 48V phantom power on each input	Yes, max current draw: 2*5 mA
Input gain	From 0 to 55 dB, two individual knobs
Maximum input level/impedance	+10dBu / >10 kOhms
Recording modes	Dual mono tracks or single stereo track Both inputs mixed to one mono track ("1+2" mode) Playback loop-back
Analog outputs (mono)	2 servo-balanced line
Maximum output level/impedance	+10 dBu / < 100 Ohms
Headphones output (stereo)	Dedicated output stage with level adjustment knob
Maximum output power/minimum load	2*40 mW / 32 Ohms
A/D and D/A converters resolution	24-bit / 96 kHz
Sampling frequencies available	32 kHz, 44.1 kHz, 48 kHz
Audio formats supported	PCM 8, 16, and 24 bits, full duplex
Converters Operating mode	Either set by application or user-selectable fixed resolution
Monitoring	Direct input echo through DSP (no latency), mixed with playback to line and headphone outputs
Monitoring control	On/off and mono/stereo
AUDIO PERFORMANCE MEASURED AT FS=48 KHZ	
Frequency response (In + Out)	20 Hz-20 kHz: ±0.2 dB
Channel phase difference	20 Hz-20 kHz: 0.2° / 2°
Dynamic range (A-weighted)	Analog input: > 100 dBA Analog output: > 104 dBA
THD + noise, ref 1 kHz at -1 dBfs	Analog input: <-93 dB Analog output: <-97 dB
Mic inputs E.I.N. (G=+50 dB, Z=200 Ohms)	< -125 dBm
Crosstalk (In + Out)	ref 1 kHz at 10 dBu: <-110 dB ref 15 kHz at 10 dBu: <-95 dB
CONNECTORS	
Audio connectors	Two Neutrik™ female XLR, two Neutrik™ male XLR and one Neutrik™ jack with lock
USB connector	Standard A-type, cable attached to the box
ENVIRONMENTS	
Operating system supported	Windows Vista, Windows XP, Mac OS X, Linux
Management	Depending on the host operating system's implementation of the USB Audio specification: DirectSound, Core Audio, ALSA
Additional management	Digigram np SDK through Virtual PCX - Third-party ASIO driver



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