



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

# UAX 220-Mic

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



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