



Portable professional USB Audio

UAX220

The first broadcast USB Audio interface

The UAX220 is the first professional USB Audio interface that has been specifically designed for broadcast and other demanding pro audio applications. Featuring 2/2 high-quality balanced analog I/Os, it combines Digigram's acclaimed audio performance with the ease of use of standard USB Audio.

As a true plug-and-play device, a single UAX220 is the ideal solution for users with multiple computers; for example a laptop computer on the road and a desktop computer in the newsroom or studio.

When connected to the USB port of a computer, UAX220 is automatically recognized as an USB Audio-compliant device and is immediately operational. Neither a specific driver nor an external power supply are needed.

Applications

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

Key features

- 2/2 high-quality balanced analog line inputs and outputs
- Dedicated headphone output stage with independent level control for low impedance headphones
- Professional Neutrik™ XLR connectors and Neutrik™ headphone jack with lock
- Zero-latency direct monitoring
- USB Audio compliant
- Sturdy USB connection
- 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.
- Buttons for volume setting and monitoring on the device enable fast, intuitive control.
- Delivered in a convenient flat bag

Specifications

Configuration	
Bus/Format	USB1.1 (compatible with USB2.0 ports) - Compliant with the USB Audio specification
Size	90 mm X 81 mm X 22 mm - Integrated USB cable: 2 m - Integrated audio cable: 0.5 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	
Maximum input level/impedance	+10 dBu / > 10 kOhms
Analog line outputs	2 servo-balanced
Maximum output level/impedance	+10 dBu / < 100 Ohms
Headphone output	Dedicated headphone stage with level adjustment knob
Maximum output power / minimum load	55 mW + 55 mW / 32 Ohms
Operating mode	
A/D and D/A converters	24-bit / 96 kHz
Sampling frequencies available	Default mode: fixed at 48 kHz* Free mode: 8 kHz, 11.025 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz
Audio formats	PCM 8, 16, and 24 bits
Simultaneous playback and record	Full duplex
Direct monitoring	Monitoring button on the device. Mixed with playback to line and headphone outputs
Audio performance measured at Fs=48 kHz	
Frequency response (In + Out)	20 Hz–20 kHz: ±0.2 dB
Dynamic range	Analog In: >104 dBA - Analog Out: >103 dBA - Analog In + Out: >103 dBA
THD + noise ref 1 kHz at -1 dBfs	Analog In: <-98 dB - Analog Out: <-97 dB - Analog In + Out: <-93 dB
Crosstalk (In + Out)	ref 1 kHz at 10 dBu: <-110 dB - ref 15 kHz at 10 dBu: <-95 dB
Channel phase difference: 20 Hz/20 kHz	0.2° / 2°
Connectors	
Audio connectors	Two Neutrik™ female XLR3, two Neutrik™ male XLR3 and one Neutrik™ jack with lock (for headphones)
USB connector	Standard A-type, cable attached to the box
Environments	
Management	Depending on the host operating system's implementation of the USB Audio specification: DirectSound, Core Audio, ALSA. Additional management: Third-party ASIO driver, and Digigram np SDK through Virtual PCX available
OS supported	Windows XP, Mac OS X, Linux

*: A frequency conversion is automatically applied by the host operating system if required



Networking Your Sound

Digigram (www.digigram.com) digital audio solutions are key to the success of public address and pro sound installations, as well as broadcast and media production companies worldwide. We develop innovative networked audio devices, computer sound cards, and audio management software.

Digigram Powered solutions are installed in thousands of radio and television stations; corporate and commercial sound installations; and audio recording and video post-production facilities around the globe.

Customers are served from three regional business units: Digigram SA (Digigram Headquarters, Montbonnot, France), Digigram Inc. (Arlington, VA USA), and Digigram Asia (Singapore). Digigram is publicly traded on the Paris stock exchange (Code ISIN: FR 00000 35784).

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