Features

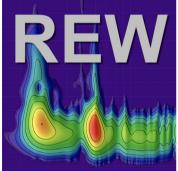
Technical Specs

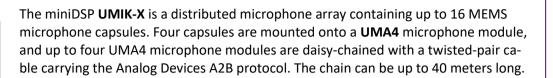
- USB to A2B module 4 x MEMS Mic Modules (UMA4) Low Distortion, High SNR Flat Frequency response Omnidirectional pattern

OS compatibility

Applications

SYSTEM DIAGRAM

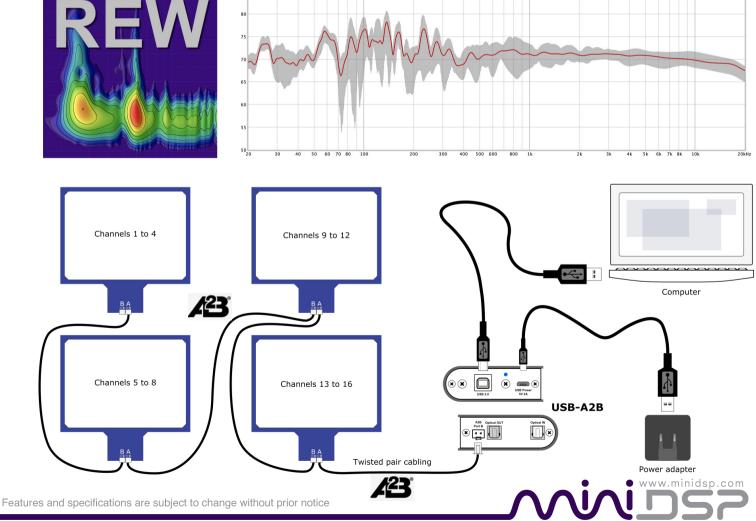




The UMA4 modules are interfaced to the computer with the included USB-A2B interface, which provides 16 channels at 24-bit/44.1 or 48 kHz. The USB-A2B is a UAC-2 compliant interface and is driverless for macOS and Linux. For Windows, an ASIO driver is provided.

Furthermore, the UMIK-X is compatible with the multi-channel measurement capability of the Room EQ Wizard (https://www.roomegwizard.com) measurement software. While normally a paid upgrade to the free version, a license for this upgrade is included with your UMIK-X purchase.

Applications for the UMIK-X include environmental monitoring and distributed soundfield measurement. The distributed omnidirectional microphones in the array allow quick measurement and analysis in applications such as room and hall equalization and distributed subwoofer tuning.



TECHNICAL SPECIFICATIONS - USB to A2B Module

Item	Description
USB streaming engine	XMOS Multicore USB audio processor for UAC2 streaming
USB audio capabilities	 USB audio recording for up to 16ch audio channels Driverless under macOS, Linux Custom ASIO drivers for Win10 platforms
Resolution / Sample rate	24bit @ 44.1/48 kHz
Analog Devices A2B link	Multichannel audio link via A2B protocol, Up to 40m long cable
Toslink	Toslink Out: Stereo link to Playback system / Toslink In: Not enabled
LED	Power/Active link indication
Power supply	External 5V USB power supply
Dimensions / Weight	24x64x67mm / 90g

TECHNICAL SPECIFICATIONS - UMA-4 Module

Item	Description
Analog Devices A2B link	Multichannel audio link via A2B protocol. Dual port for Daisy chain up to 4 x UMA4
MEMS microphones	 4 x Knowles MEMS with low noise buffer and high performance modulator Low distortion: 1% @ 130 dB SPL Sensitivity: -37dBFS @ 94dB SPL (1kHz) Acoustic Overload Point (AOP): 132.5dB SPL High SNR: 66 dBA and flat frequency response RF shielded against mobile interference Ominidirectional pick-up pattern Matched sensitivity for uniform response
Mounting	Plastic clamp for microphone mounting
Dimensions (mm) / Weight	176x172mm/ 27g

MECHANICAL SPECIFICATIONS

