

**Features**

- Reference measurement microphone - USB Audio powered
- 32bit 44.1~192kHz recording
- Low noise capsule and preamp
- Omni-directional pickup pattern
- Full integration with REW & Dirac software platforms

**Hardware**

- Multicore XMOS USB audio
- 32-bit ADC Converters, 120dB DR
- 1/2" capsule on UNS60 thread
- Max 125dB SPL
- USB-C connection

**Software**

- Unique calibration file tied to serial number
- Generated 90-degree calibration for multichannel measurement
- SPL calibrated with REW
- Win/Mac/Linux/Android compliant

MiniDSP is pleased to introduce the **UMIK-2**, its second-generation omni-directional acoustic measurement microphone. The UMIK-2 has everything that made the first-generation UMIK-1 one of our best selling products, including a convenient plug-and-play USB connection and a unique calibration file for each microphone to ensure accuracy.

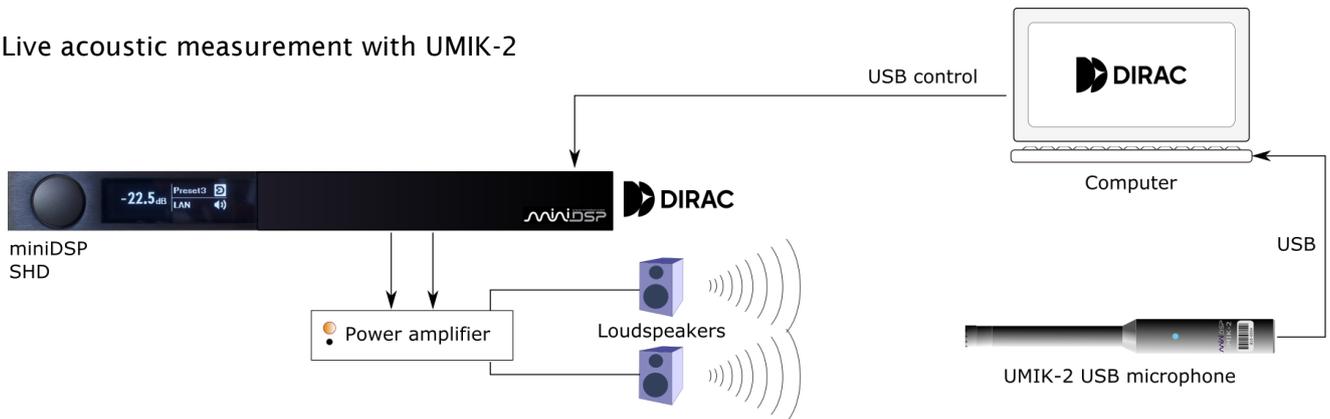
However, the UMIK-2 is also a significant upgrade in performance and functionality. A larger 1/2-inch microphone capsule provides lower noise and lower distortion, which is preserved by the 32-bit ADC (analog-to-digital converter) built into the microphone shell. Furthermore, sample rates are selectable from 44.1 to 192 kHz for compatibility with the widest possible range of measurement and recording software.

The UMIK-2 is of course fully compatible with REW (Room EQ Wizard) and Dirac Live (version 3 and later). Driverless operation with macOS, Linux, Android and iOS, and a supplied ASIO driver for Windows ensure simple integration into many other measurement and recording applications.

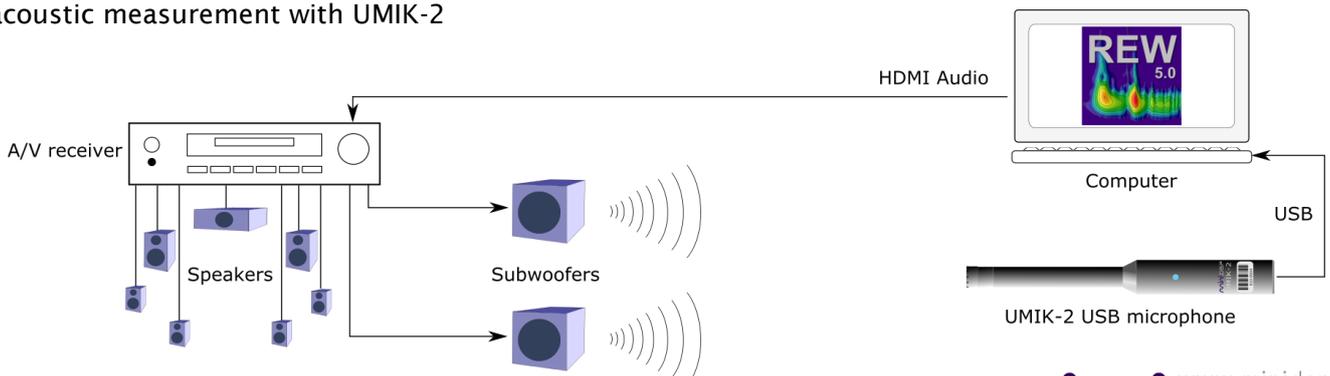


**SYSTEM DIAGRAM**

**Dirac Live acoustic measurement with UMIK-2**



**REW acoustic measurement with UMIK-2**



## HARDWARE SPECIFICATIONS

Item	Description
USB Audio Controller	XMOS 500MHz multicore processor, USB Audio Class 2 (UAC2)
ADC	32bit ADC, 120dB SNR
Capsules	1/2" Low noise Pre-polarized condenser on 60UNS thread Sensitivity: -31.9 dBfs (94 dB SPL, 1 kHz) Noise level: -105.3dBfs (A) @ 0 dB gain MAX SPL(OdBfs): 125dB SPL Equivalent Input Noise (EIN): 20dB SPL @ 0dB gain
Connectivity	USB 2.0 streaming, USB Type C connector
Software	As a standard USB audio microphone, UMIK-2 is compatible with any software. However we recommend the following proven platforms with plug&play integration. - Room EQ Wizard freeware for acoustic measurements - Dirac Live Room Correction platforms
USB Audio	Linux/OSx/Android driverless ASIO-compatible driver for Windows iOS support with USB camera adaptor
Accessories	1 x mini-tripod with microphone clamp 1 x windscreen 1 x 2 meter USB cable
Dimensions (W x L) / Weight	21 x 185 mm, 150g
Construction	Aluminum body

## MECHANICAL SPECIFICATIONS

