

Features

- Affordable Headphone test jig
- Plug&Play USB audio streaming

Hardware

- USB 2.0 Audio interface
- Dual low noise calibrated mic
- Analog gain controllable by DIP switch (0-36dB / 6dB steps)
- Interchangeable Silicon ears
- USB powered

Applications

- Headphone calibration
- Binaural recording

Introducing "**EARS**", the **E**arphone **A**udio **R**esponse **S**ystem. miniDSP EARS brings headphone measurement capability to "the masses" - it's just an extremely affordable measurement rig for headphones and IEMs that we've built using the same technology as our popular UMIK-1 calibrated measurement microphone. Alternatively one could use EARS as a binaural microphone with USB audio streaming.

Each pair of EARS has two microphone capsules mounted in a minimal "dummy head". Measurement output is via the driverless USB connection. The EARS are powered from the USB so there is no need for an external power supply. To measure headphones, just mount your headphones on the rig and run a measurement sweep using your headphone amp and favorite measurement program (e.g. Room EQ Wizard). The supplied calibration file corrects for the response of the microphone capsule and the ear. The miniDSP EARS is the perfect tool for creating EQ filters for the miniDSP HA-DSP headphone amplifier or for any other headphone system with EQ capability.

**TECHNICAL SPECIFICATIONS**

Item	Description
Capsule type	6mm electret condenser microphone
Frequency response	Calibration file provided for 20~20kHz
USB Audio	Driverless USB Audio Class UAC1 control interface for Windows/Mac/Linux
Sample rate and resolution	24bit @ 48kHz
Calibration file	Unique microphone calibration .txt file referenced to the Serial Number Includes on axis Frequency / Amplitude / Sensitivity drift
USB port	USB port type B
Analog Gain	DIP switch to control analog gain sensitivity (0/6/12/18/24/30/36dB)
Power supply	USB powered
Dimensions (H x W x D) mm	41.5 x 214.5 x 206 mm