Audiometry Application

Beta Version

Output Mode:

ASIO

System Requirements:

CPU: Dual-core processor

RAM: At least 4 GB (with 2.6 GB of free available memory)

OS: Windows 7 or newer

Installation

Extract the archive to any convenient location on your drive.

Setup & Configuration

Initial Launch: Upon opening the app for the first time and passing the initial splash screen, the ASIO Driver Selection window will appear. Select your active ASIO driver from the list.

Volume Initialization: After choosing the driver, the Settings window will pop up, allowing you to set the initial master volume level.

Subsequent Launches: If the previously selected DAC is active and its internal settings remain unchanged, the setup process will be skipped automatically on startup.

Re-entering Setup: To manually re-enter the configuration mode on startup, simply click the splash screen or press the Enter key.

Test Procedure

1. Set Calibration Volume: Adjust the playback volume of the built-in reference music track. You can do this using the app's integrated volume control, an external amplifier, or both.

2. Start the Test: Click the Start button. The test begins with a 63 Hz tone for the left ear. Click Play to start generating the tone. Once playback begins, "+" and "-" buttons will appear to the left and right of the Play button. Use these to dial in your absolute minimum

threshold of audibility for that tone. To pause the tone, click Play (the button label will toggle to Pause); click it again to resume.

3. Navigation & Completion: Click Next to proceed to the following frequency. After testing the final tone, clicking Next will display your final audiogram. If you need to abort the test early, click Stop.

4. Reading the Graph: On the resulting audiogram, the relative audibility thresholds for the left and right ears are displayed horizontally side-by-side for each frequency. The plot marker for the left ear is Blue, and the marker for the right ear is Pink.

Controls & UI Layout

Media Controls: The Stop, Play, and Pause buttons in the bottom-left corner of the screen control the playback of the calibration music track. Right above them is a slider row of control dots for volume adjustment (if applicable).

Test Controls: The main action buttons for managing the actual hearing test are located at the bottom center of the screen.

Hotkeys / Keyboard Shortcuts:

Numpad "+" – Increase calibration volume (if applicable)

Numpad "-" – Decrease calibration volume (if applicable)

Spacebar – Play / Pause the test tone

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