

This simulation is a full implementation of a hearing aid, except that it uses pre-recorded audio, as opposed to being a real-time device. With the appropriate hardware, this software could be embedded onto a device to create a fully functioning, real-time hearing aid.

In compensatory gain mode, the audio is currently not being amplified. If you click the audiogram button, you can type in the air thresholds from your audiogram to get compensatory gain that is tailored for your ears. **But for now, just type in 40 for 2000Hz.** Hear how my voice changed?

**Now press the directional tab.**

In directionality mode, the audio that you are currently hearing is coming from the zero degree direction. **Toggle the switch to directional mode.**

**PRESS PLAY...**

Notice how the sound of my voice becomes softer as you **turn the dial in different directions**, and louder when the dial is facing zero degrees. **Now, switch to omni-directional mode.** Notice how the volume of the sound remains constant as you change the dial.

So if you ever get an EARie feeling that you are losing your hearing, we will be here to lend you an ear!