

SEEAR 0.9.2 - unlicensed demo version

Cochlea equalizer (right)

Cochlea equalizer (left)

Model: EQ cochlea EQ cochlea TD

Playback: normal actual mute comp

Display: normal actual comp

Input signal

Amplitude (V)

Time (ms)

60 dB 50 0

Volume Master Hold

Request license

0 ms

Auto Manual Signal Music Mic

Right Left Rotate Zoom Center

Welcome to the SEEAR Hearing Test Quick Tour

SEEAR 0.9.2 - unlicensed demo version

Cochlea equalizer (right)

Cochlea equalizer (left)

Model: EQ cochlea EQ cochlea TD

Playback: normal actual mute comp

Display: normal actual comp

Input signal

Amplitude (V) vs Time (ms)

60 dB 50 0

Volume Master Hold

Load file Run Pause 0 ms

Auto Manual Signal Music Mic

Right Left Rotate Zoom Center

Request license

Change screen to Manual

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface. On the left, an audiogram plot shows Amplitude (dB) on the y-axis (ranging from -20 to 80) and frequency on the x-axis (logarithmic scale, with 10⁻¹ visible). A horizontal line is drawn at 20 dB. Below the audiogram, there are radio buttons for 'Right' and 'Left' ears, and options for 'Hearing threshold' (selected) and 'Pain threshold'. An 'Input signal' plot shows Amplitude on the y-axis (ranging from -1 to 1) and time on the x-axis (ranging from 0 to 4). A central cartoon character is wearing headphones, with an orange sine wave representing the audio signal entering the ear. To the right, a 'Tones' section contains ten red bars, each labeled '20 dB'. Below the bars are radio buttons for frequencies: 3.20KHz, 6.40KHz, 12.80KHz, and 19.20KHz. A 'Tested' checkbox is also present. At the bottom right, a 3D model of a cochlea is shown with a red arrow pointing to a specific location. The bottom control panel includes buttons for 'Load file', 'Run', and 'Pause', along with a '0 ms' timer. Below these are radio buttons for 'Auto', 'Manual' (selected), 'Signal', 'Music', and 'Mic'. Further right are radio buttons for 'Right' (selected), 'Left', 'Rotate', 'Zoom', and 'Center'. At the bottom right of the control panel are radio buttons for 'Active cochlea', 'Passive cochlea', '2D model', and '3D model' (selected). The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the time 8:37 PM and date 10/9/2017.

Set up patient with headphones

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface. It features several panels: an Audiogram plot showing Amplitude (dB) vs. Frequency (KHz) with various threshold lines; an Input signal plot showing Amplitude vs. Time (ms) with a 1.08 KHz tone; a Tones panel with 10 red bars representing different frequencies and SNR levels; and a Cochlea model panel showing a 3D model of the cochlea with frequency labels (2.0KHz, 1.5KHz, 1.0KHz, 0.5KHz) and a 3D model selection. A red box highlights the 'Run' button, and a blue arrow points to it.

Amplitude (dB)

Frequency (KHz)

30 dB

Max Comp

Right Left Pain right Pain left Comp right Comp left

Hearing threshold Pain threshold Compensation

Load Save Reset

Recruitment

Input signal

Amplitude

Time (ms)

1.08 KHz

View Focus

Load file Run Pause 0 ms

Auto Manual Signal Mic

Right Left

Rotate Zoom Center

Tones

20 dB 20 dB 20 dB 20 dB 20 dB 20 dB 20 dB 20 dB 20 dB 20 dB

0.05KHz 0.10KHz 0.20KHz 0.40KHz 0.80KHz 1.60KHz 3.20KHz 6.40KHz 12.80KHz 19.20KHz SNR

Tested

Cochlea model

2.0KHz 1.5KHz 1.0KHz 0.5KHz

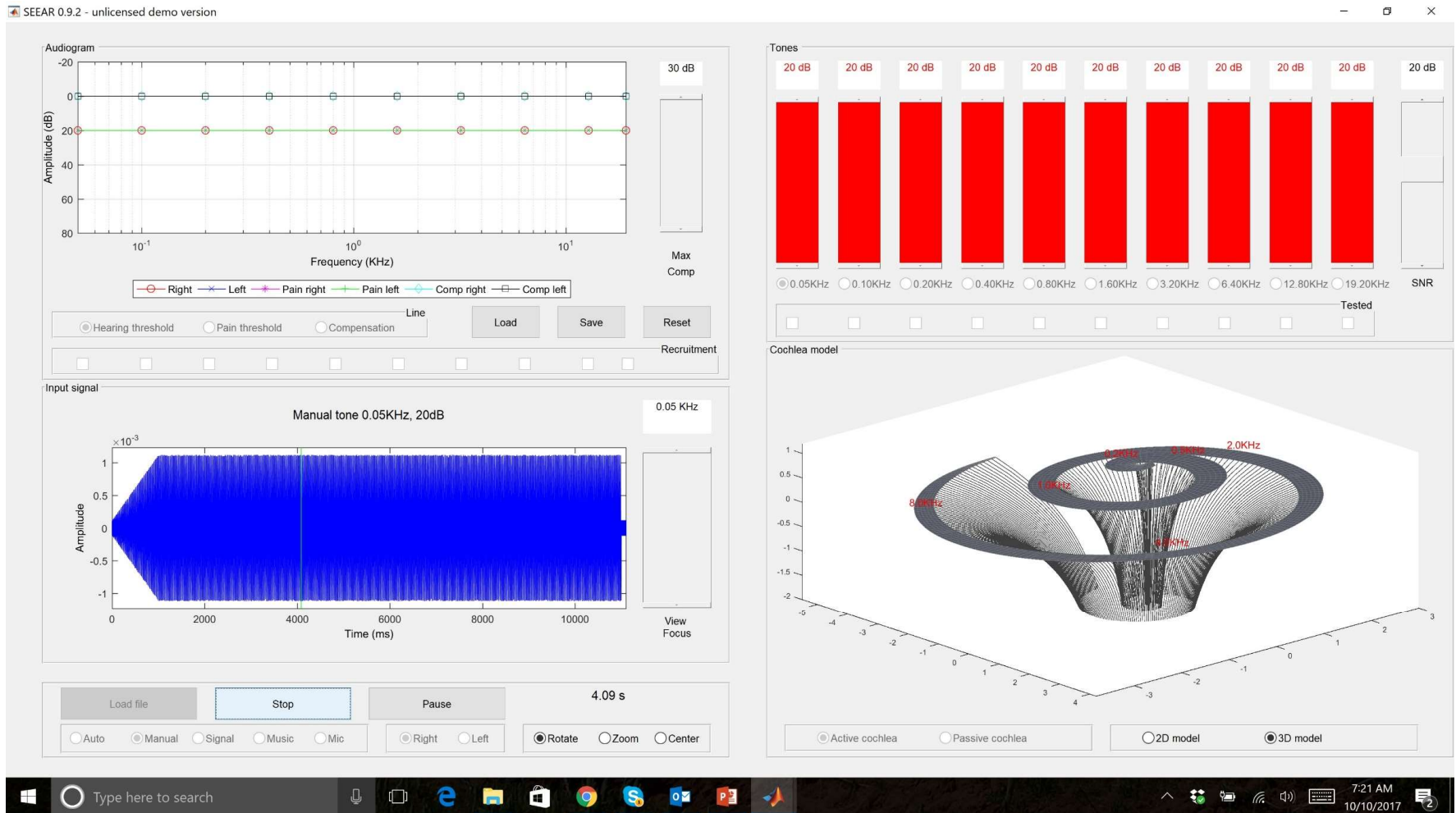
Active cochlea Passive cochlea

2D model 3D model

Type here to search

8:37 PM 10/9/2017

Start test tone



Can patient hear tone?

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface. At the top left, it says "SEEAR 0.9.2 - unlicensed demo version". The main window is divided into several sections:

- Audiogram:** A graph showing Amplitude (dB) on the y-axis (ranging from -20 to 80) versus Frequency (KHz) on the x-axis (logarithmic scale from 10^{-1} to 10^0). It includes lines for Right, Left, Pain right, and Pain left. A 30 dB threshold is indicated.
- Tones:** A row of ten red vertical bars, each labeled "20 dB". Below them are frequency selection buttons: 0.20KHz, 0.40KHz, 0.80KHz, 1.60KHz, 3.20KHz, 6.40KHz, 12.80KHz, and 19.20KHz. There are also checkboxes for "Tested" and "SNR".
- Input signal:** A plot titled "Manual tone 0.05KHz" showing Amplitude (scaled by $\times 10^{-3}$) versus Time (ms). The signal is a blue waveform that starts at 0, rises to a peak of 1, and then oscillates between 1 and -1.
- 3D Cochlea Model:** A 3D visualization of a cochlea with frequency labels: 1.0KHz, 2.0KHz, and 3.0KHz.

At the bottom of the interface, there are control buttons: "Load file", "Stop", "Pause", "4.09 s", "Auto", "Manual", "Signal", "Music", "Mic", "Right", "Left", "Rotate", "Zoom", "Center", "Active cochlea", "Passive cochlea", "2D model", and "3D model".

A large orange circle with a black outline of a thumbs-down gesture is overlaid in the center of the screen.

Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the time 7:21 AM and date 10/10/2017.

Let's say he/she cannot

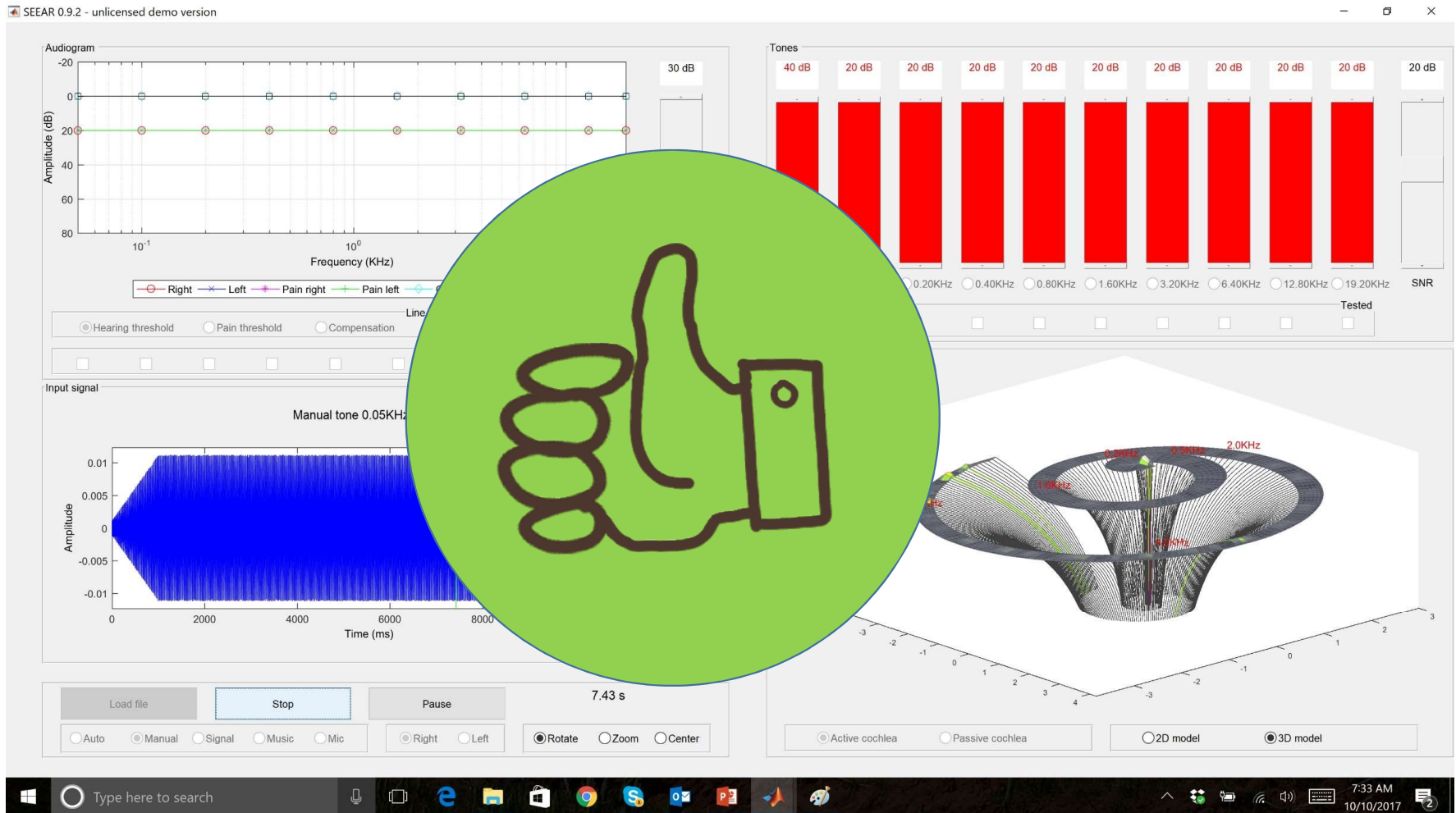
SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface, which is used for simulating hearing and cochlear models. The interface is divided into several sections:

- Audiogram:** A graph showing Amplitude (dB) on the y-axis (ranging from -20 to 80) versus Frequency (KHz) on the x-axis (logarithmic scale from 10^{-1} to 10^1). It includes data series for Right, Left, Pain right, Pain left, Comp right, and Comp left. A hearing threshold line is selected.
- Input signal:** A graph showing Amplitude (scaled by $\times 10^{-3}$) versus Time (ms) from 0 to 10000. The signal is a manual tone at 0.05 KHz, 20 dB.
- Tones:** A grid of 10 red bars representing different tones. The first bar is highlighted with a blue arrow and labeled 40 dB. The tones are: 0.05KHz (40 dB), 0.10KHz (20 dB), 0.20KHz (20 dB), 0.40KHz (20 dB), 0.80KHz (20 dB), 1.60KHz (20 dB), 3.20KHz (20 dB), 6.40KHz (20 dB), 12.80KHz (20 dB), and 19.20KHz (20 dB).
- Cochlea model:** A 3D model of the cochlea showing the basilar membrane and the organ of Corti. The model is labeled with frequencies: 0.05KHz, 0.1KHz, 0.2KHz, 0.4KHz, 0.8KHz, 1.6KHz, 3.2KHz, 6.4KHz, and 12.8KHz.

At the bottom of the interface, there are control buttons for Load file, Run, Pause, and View Focus. The Run button is active, and the time is 5.76 s. The interface also includes a Windows taskbar at the bottom with the system clock showing 7:30 AM on 10/10/2017.

Increase level of test tone



Patient can hear now

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface, which is used for simulating hearing and cochlear models. The interface is divided into several sections:

- Audiogram:** A graph showing Amplitude (dB) on the y-axis (ranging from -20 to 80) versus Frequency (KHz) on the x-axis (logarithmic scale from 10^{-1} to 10^1). It includes data series for Right, Left, Pain right, Pain left, Comp right, and Comp left. Controls for Max Comp and Recruitment are also present.
- Input signal:** A graph showing Amplitude versus Time (ms) for a "Manual tone 0.05KHz, 40dB". The signal is a blue sine wave. Controls for 0.05 KHz and View Focus are included.
- Tones:** A row of 10 red bars representing different tones. The first bar is labeled "40 dB" and the others "20 dB". Below the bars are radio buttons for frequencies: 0.05KHz (selected), 0.10KHz, 0.20KHz, 0.40KHz, 0.80KHz, 1.60KHz, 3.20KHz, 6.40KHz, 12.80KHz, and 19.20KHz. A "Tested" checkbox is also present.
- Cochlea:** A 3D model of a cochlea. A blue arrow points to a checkbox labeled "Cochlea" which is currently unchecked. The model shows the cochlear duct and the basilar membrane with frequency labels (0.5KHz, 1.0KHz, 1.5KHz, 2.0KHz) indicating the tonotopic map.

At the bottom of the interface, there are control buttons for "Load file", "Run", "Pause", and "9.66 s". Below these are radio buttons for "Auto", "Manual" (selected), "Signal", "Music", "Mic", "Right", "Left", "Rotate", "Zoom", and "Center". At the bottom right, there are radio buttons for "Active cochlea", "Passive cochlea", "2D model", and "3D model" (selected).

Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the time 7:35 AM and date 10/10/2017.

Check box

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface, which is used for simulating hearing and cochlear models. The interface is divided into several main sections:

- Audiogram:** A graph showing Amplitude (dB) on the y-axis (ranging from -20 to 80) versus Frequency (KHz) on the x-axis (logarithmic scale from 10⁻¹ to 10¹). A red line indicates the hearing threshold, and a green line indicates the pain threshold. A blue arrow points to the 40 dB mark on the y-axis.
- Input signal:** A graph showing Amplitude versus Time (ms) for a "Manual tone 0.05KHz, 40dB". The amplitude ranges from -0.01 to 0.01, and the time ranges from 0 to 10000 ms. A blue arrow points to the 40 dB mark on the y-axis.
- Tones:** A row of sliders for different frequencies (0.05KHz, 0.20KHz, 0.40KHz, 0.80KHz, 1.60KHz, 3.20KHz, 6.40KHz, 12.80KHz, 19.20KHz) and SNR. The 0.05KHz slider is highlighted with a red box and a blue arrow.
- Cochlea model:** A 3D model of the cochlea showing the basilar membrane and the organ of Corti. The model is labeled with frequencies: 0.05KHz, 0.20KHz, 0.40KHz, 0.80KHz, 1.60KHz, 3.20KHz, 6.40KHz, 12.80KHz, and 19.20KHz. The model is currently set to "Active cochlea" and "3D model".

At the bottom of the interface, there are control buttons for "Load file", "Run", "Pause", and "View Focus". The "Run" button is highlighted, and the time displayed is 9.66 s. The Windows taskbar at the bottom shows the system time as 7:38 AM on 10/10/2017.

Slider color changes, audiogram updated

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface, which is used for simulating hearing and cochlear models. The interface is divided into several sections:

- Audiogram:** A graph showing Amplitude (dB) on the y-axis (ranging from -20 to 80) versus Frequency (KHz) on the x-axis (logarithmic scale from 10^{-1} to 10^1). The graph shows hearing and pain thresholds for right and left ears, along with compensation curves. A red arrow points to the 40 dB mark at 0.05 KHz.
- Input signal:** A graph showing Amplitude versus Time (ms) for a "Manual tone 0.05KHz, 40dB". The signal is a blue sine wave with an amplitude of 0.01 and a duration of 10,000 ms.
- Tones:** A row of 11 red bars representing different frequencies and amplitudes. The frequencies are 0.05KHz, 0.10KHz, 0.20KHz, 0.40KHz, 0.80KHz, 1.60KHz, 3.20KHz, 6.40KHz, 12.80KHz, and 19.20KHz. The amplitudes are 40 dB, 20 dB, 20 dB, 20 dB, 20 dB, 20 dB, 20 dB, 20 dB, 20 dB, 20 dB, and 20 dB. A blue arrow points to the 0.10KHz tone.
- Cochlea model:** A 3D model of the cochlea showing the basilar membrane and the organ of Corti. The model is labeled with frequencies: 0.05KHz, 0.10KHz, 0.20KHz, 0.40KHz, 0.80KHz, 1.60KHz, 3.20KHz, 6.40KHz, 12.80KHz, and 19.20KHz. The model is currently set to "Active cochlea" and "3D model".

At the bottom of the interface, there are control buttons for "Load file", "Run", "Pause", "Auto", "Manual", "Signal", "Music", "Mic", "Right", "Left", "Rotate", "Zoom", and "Center". The current time is 9.66 s.

Windows taskbar at the bottom shows the system tray with the date 10/10/2017 and time 7:38 AM.

Move to next frequency

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface, which is used for simulating hearing and cochlear models. The interface is divided into several sections:

- Audiogram:** A graph showing Amplitude (dB) on the y-axis (ranging from -20 to 80) versus Frequency (KHz) on the x-axis (logarithmic scale from 10^{-1} to 10^1). The graph includes data for Right and Left ears, Pain thresholds, and Compensation. A red line indicates the hearing threshold, which is currently set at 40 dB. A blue arrow points to the 40 dB value in the Tones section.
- Input signal:** A graph showing Amplitude versus Time (ms) for a "Manual tone 0.10KHz, 40dB". The signal is a blue rectangular pulse with a duration of approximately 10,000 ms.
- Tones:** A section for selecting tones, showing a grid of 10 columns and 2 rows. The columns are labeled with frequencies: 0.05KHz, 0.1KHz, 0.2KHz, 0.4KHz, 0.8KHz, 1.6KHz, 3.2KHz, 6.4KHz, 12.8KHz, and 19.2KHz. The rows are labeled with intensities: 40 dB and 20 dB. The 0.1KHz, 40dB tone is selected, and a blue arrow points to it.
- Cochlea model:** A 3D model of the cochlea, showing the spiral structure and the basilar membrane. The model is labeled with frequencies: 0.1KHz, 1KHz, 2.0KHz, and 4.0KHz. The model is currently set to "Active cochlea" and "3D model".

At the bottom of the interface, there are control buttons for "Load file", "Run", "Pause", and "View Focus". The "Run" button is highlighted, and the time displayed is 5.39 s. The Windows taskbar at the bottom shows the system time as 7:43 AM on 10/10/2017.

And repeat process...

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface, which is used for simulating hearing and cochlear models. The interface is divided into several sections:

- Audiogram:** A graph showing Amplitude (dB) on the y-axis (ranging from -20 to 80) versus Frequency (KHz) on the x-axis (logarithmic scale from 10^{-1} to 10^1). The graph includes lines for Right, Left, Pain right, Pain left, Comp right, and Comp left. A red line is visible at 40 dB, and a blue line is visible at 20 dB. A vertical line is set at 0.10 KHz.
- Input signal:** A graph showing Amplitude versus Time (ms) for a "Manual tone 0.10KHz, 40dB". The signal is a blue rectangular pulse from 0 to 10000 ms.
- Tones:** A row of 11 frequency sliders, each set to 40 dB. A red box highlights the sliders from 0.05 KHz to 19.20 KHz. A blue arrow points to the 19.20 KHz slider.
- Cochlea model:** A 3D model of the cochlea showing the basilar membrane and the organ of Corti. The model is labeled with frequencies: 0.1KHz, 1KHz, 2.0KHz, and 4.0KHz. The model is currently set to "Active cochlea" and "3D model".

At the bottom of the interface, there are control buttons for "Load file", "Run", "Pause", and "View Focus". The "Run" button is highlighted, and the time displayed is 5.39 s. The Windows taskbar at the bottom shows the system time as 7:47 AM on 10/10/2017.

...until all frequencies are done...

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface. The top-left panel shows an audiogram with Amplitude (dB) on the y-axis (ranging from -20 to 80) and Frequency (KHz) on the x-axis (logarithmic scale from 10⁻¹ to 10¹). The plot includes lines for Right, Left, Pain right, Pain left, Comp right, and Comp left. The top-right panel, titled 'Tones', shows a grid of 11 tone controls, each set to 40 dB, with a frequency of 19.20 KHz selected. The bottom-left panel, 'Input signal', shows a 'Manual tone 0.10KHz, 40dB' with a plot of Amplitude vs. Time (ms) from 0 to 10000. The bottom-right panel, 'Cochlea model', shows a 3D model of the cochlea with frequency markers at 0.5KHz, 1.0KHz, 2.0KHz, and 4.0KHz. The interface includes various control buttons like 'Load', 'Save', 'Reset', 'Run', 'Pause', and 'View Focus'. A blue arrow points to the 'Right' and 'Left' radio buttons in the bottom control panel, which are highlighted with a red box.

...for both ears

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface. On the left, the 'Audiogram' plot shows Amplitude (dB) vs. Frequency (KHz) on a log scale. The 'Input signal' plot shows a manual tone at 0.1 KHz, 40dB. The 'Tones' section shows a grid of frequency and amplitude settings. The 'Cochlea model' section shows a 3D model of the cochlea with frequency labels (0.1KHz, 1.0KHz, 2.0KHz, 4.0KHz). A blue arrow points to the 'Compensation' radio button in the 'Line' section of the audiogram controls.

Amplitude (dB)

Frequency (KHz)

Right Left Pain right Pain left Comp right Comp left

Hearing threshold Pain threshold Compensation

Load Save Reset

Recruitment

Input signal

Manual tone 0.1 KHz, 40dB

0.10 KHz

Amplitude

Time (ms)

View Focus

Load file Run Pause 5.39 s

Auto Manual Signal Music Mic

Right Left Rotate Zoom Center

Tones

40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 20 dB

0.05KHz 0.10KHz 0.20KHz 0.40KHz 0.80KHz 1.60KHz 3.20KHz 6.40KHz 12.80KHz 19.20KHz SNR

Tested

Cochlea model

0.1KHz 1.0KHz 2.0KHz 4.0KHz

Active cochlea Passive cochlea

2D model 3D model

Type here to search

7:52 AM 10/10/2017

Let's change compensation to all frequencies

SEEAR 0.9.2 - unlicensed demo version

Audiogram

Amplitude (dB)

Frequency (KHz)

30 dB

Max Comp

Line

Hearing threshold Pain threshold Compensation

Load Save Reset

Recruitment

Input signal

Manual tone 0.10KHz, 40dB

0.10 KHz

Amplitude

Time (ms)

View Focus

Load file Run Pause 5.39 s

Auto Manual Signal Music Mic

Right Left Rotate Zoom Center

Tones

40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 20 dB

0.05KHz 0.10KHz 0.20KHz 0.40KHz 0.80KHz 1.60KHz 3.20KHz 6.40KHz 12.80KHz 19.20KHz SNR

Tested

Cochlea model

0.1KHz 1.0KHz 2.0KHz 4.0KHz

Active cochlea Passive cochlea

2D model 3D model

Click on graph...

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface, which is used for simulating hearing and cochlear models. The interface is divided into several sections:

- Audiogram:** A graph showing Amplitude (dB) on the y-axis (ranging from -20 to 80) versus Frequency (KHz) on the x-axis (logarithmic scale from 10^{-1} to 10^1). A red box highlights the 20 dB level, and blue arrows point to the data points at this level. The graph includes lines for Right, Left, Pain right, Pain left, Comp right, and Comp left. Below the graph are controls for Line (Hearing threshold, Pain threshold, Compensation) and Recruitment.
- Input signal:** A graph showing Amplitude versus Time (ms) for a "Manual tone 0.10KHz, 40dB". The amplitude ranges from -0.01 to 0.01, and the time ranges from 0 to 10000 ms. A "View Focus" button is present.
- Tones:** A row of 11 sliders, each set to 40 dB, for frequencies: 0.05KHz, 0.10KHz, 0.20KHz, 0.40KHz, 0.80KHz, 1.60KHz, 3.20KHz, 6.40KHz, 12.80KHz, 19.20KHz, and SNR. A "Tested" checkbox is checked for the 19.20KHz tone.
- Cochlea model:** A 3D model of the cochlea showing the spiral structure. Labels indicate frequencies: 0.1KHz, 1.0KHz, 2.0KHz, and 4.0KHz. Below the model are controls for Active cochlea, Passive cochlea, 2D model, and 3D model.

At the bottom of the interface, there are buttons for "Load file", "Run", and "Pause", along with a timer showing "5.39 s". Below these are radio buttons for "Auto", "Manual", "Signal", "Music", "Mic", "Right", "Left", "Rotate", "Zoom", and "Center".

Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the time "8:07 AM" and date "10/10/2017".

...until all values have been changed...

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface. It features several panels: an Audiogram plot showing Amplitude (dB) vs. Frequency (KHz) with markers for Right, Left, Pain right, Pain left, Comp right, and Comp left; an Input signal plot showing a manual tone at 0.10KHz, 40dB; a Tones panel with frequency sliders and checkboxes for tested tones; and a Cochlea model 3D visualization. A blue arrow points to the 'Right' and 'Left' radio buttons in the bottom control panel, which are highlighted with a red box.

30 dB

Amplitude (dB)

Frequency (KHz)

Right Left Pain right Pain left Comp right Comp left

Hearing threshold Pain threshold Compensation

Load Save Reset

Recruitment

Input signal

Manual tone 0.10KHz, 40dB

0.10 KHz

Amplitude

Time (ms)

View Focus

Load file Run Pause 5.39 s

Auto Manual Signal Music Mic

Right Left Rotate Zoom Center

Tones

40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 20 dB

0.05KHz 0.10KHz 0.20KHz 0.40KHz 0.80KHz 1.60KHz 3.20KHz 6.40KHz 12.80KHz 19.20KHz SNR

Tested

Cochlea model

2.0KHz 1.0KHz 0.5KHz

Active cochlea Passive cochlea

2D model 3D model

...for both ears

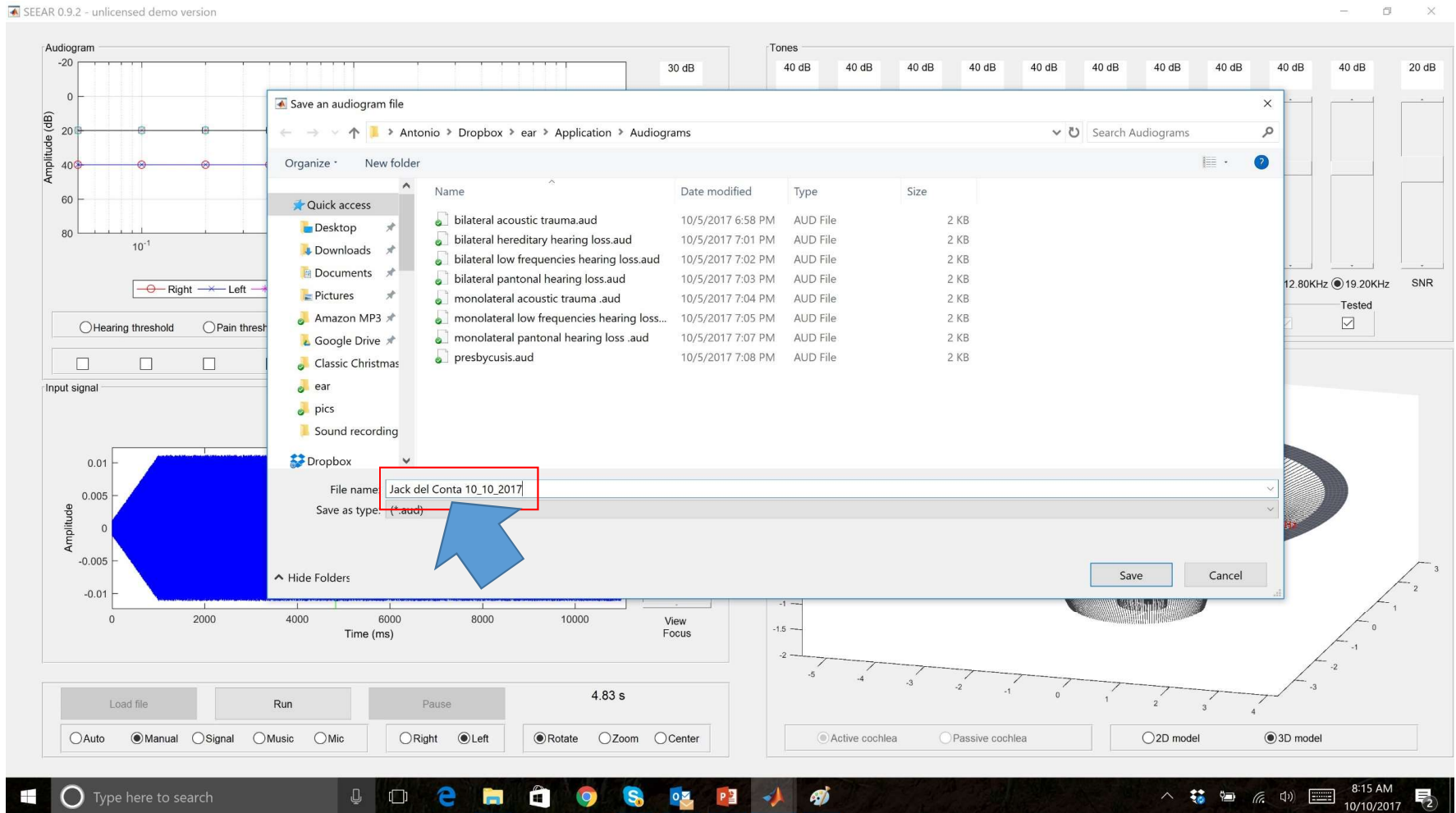
SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface. The main window is titled "SEEAR 0.9.2 - unlicensed demo version". It features several panels:

- Audiogram:** A plot of Amplitude (dB) vs. Frequency (KHz) on a log scale. The y-axis ranges from -20 to 80 dB, and the x-axis ranges from 10⁻¹ to 10¹ KHz. The plot shows hearing thresholds for Right and Left ears, and compensation levels for Right and Left ears. A red box highlights the "Save" button.
- Input signal:** A plot of Amplitude vs. Time (ms) showing a manual tone at 0.10 KHz, 40 dB. The amplitude ranges from -0.01 to 0.01, and the time ranges from 0 to 10000 ms.
- Tones:** A grid of 11 tone controls, each set to 40 dB. The frequencies are 0.05 KHz, 0.10 KHz, 0.20 KHz, 0.40 KHz, 0.80 KHz, 1.60 KHz, 3.20 KHz, 6.40 KHz, 12.80 KHz, 19.20 KHz, and SNR. The 19.20 KHz tone is selected.
- Cochlea model:** A 3D model of the cochlea showing the basilar membrane and the organ of Corti. The model is labeled with frequencies: 0.1 KHz, 1.0 KHz, 2.0 KHz, and 4.0 KHz. The model is set to "Active cochlea" and "3D model".

At the bottom of the interface, there are control buttons for "Load file", "Run", "Pause", and "View Focus". The "Run" button is highlighted, and the time displayed is 5.39 s. The system tray at the bottom shows the Windows taskbar with the search bar, taskbar icons, and system clock (8:01 AM, 10/10/2017).

Save audiogram of patient



For later use

SEEAR 0.9.2 - unlicensed demo version

Audiogram

Amplitude (dB)

Frequency (KHz)

30 dB

Max Comp

Right Left Pain right Pain left Comp right Comp left

Hearing threshold Pain threshold Compensation

Load Save Reset

Recruitment

Input signal

Manual tone 0.10KHz, 40dB

0.10 KHz

Amplitude

Time (ms)

View Focus

Load file Run Pause 5.39 s

Auto Manual Signal Music Mic

Right Left Rotate Zoom Center

Tones

40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 40 dB 20 dB

0.05KHz 0.10KHz 0.20KHz 0.40KHz 0.80KHz 1.60KHz 3.20KHz 6.40KHz 12.80KHz 19.20KHz SNR

Tested

Cochlea model

2.0KHz

1.0KHz

0.5KHz

4.0KHz

Active cochlea Passive cochlea

2D model 3D model

8:01 AM 10/10/2017

Go to Music

SEEAR 0.9.2 - unlicensed demo version

Cochlea equalizer (right)

Cochlea equalizer (left)

The screenshot displays the SEEAR software interface. At the top, the title bar reads "SEEAR 0.9.2 - unlicensed demo version". Below it, two windows titled "Cochlea equalizer (right)" and "Cochlea equalizer (left)" are visible. Each window contains a 3D model of a cochlea with frequency labels (0.2KHz, 1.0KHz, 2.0KHz, 3.3KHz, 4.0KHz, 8.0KHz) and a control panel with "Model", "Playback", and "Display" options. Below these are two audio waveform plots: "Input signal" (red) and "(Disc 2) 01 - The First Nowell.mp3" (blue). To the right of the waveforms are three volume sliders labeled "Volume" (76 dB), "Master" (50), and "Hold" (0). At the bottom, there is a "Request license" button and a Windows taskbar showing the time as 8:09 AM on 10/10/2017.

Model: EQ cochlea EQ cochlea TD

Playback: normal actual mute comp

Display: normal actual comp

Model: EQ cochlea EQ cochlea TD

Playback: normal actual mute comp

Display: normal actual comp

Input signal

(Disc 2) 01 - The First Nowell.mp3

Amplitude (r)

Time (ms) $\times 10^3$

Amplitude (l)

Time (ms) $\times 10^3$

76 dB 50 0

Volume Master Hold

Load file Stop Pause 12.63 s

Auto Manual Signal Music Mic

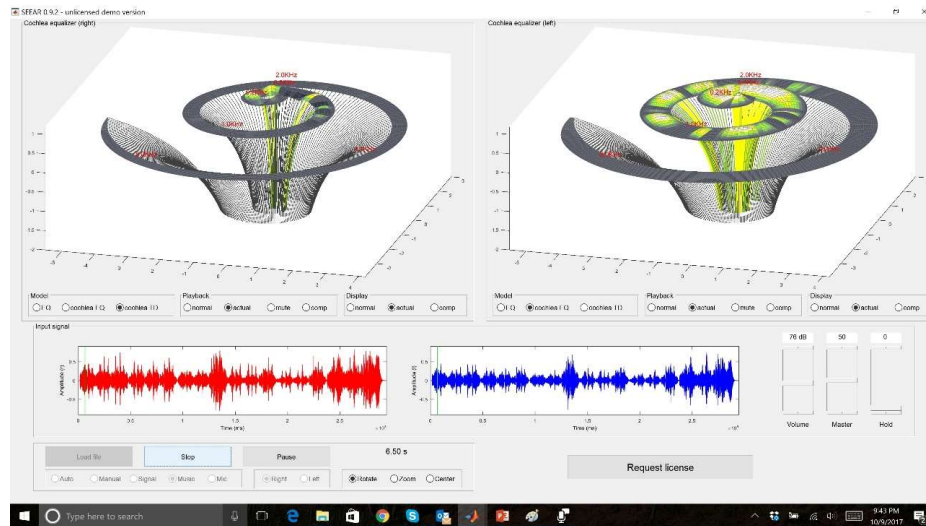
Right Left Rotate Zoom Center

Request license

Type here to search

8:09 AM 10/10/2017

And see what you hear!



SEE WHAT YOU HEAR

SEEAR

www.seewhatyouhear.net