

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 this are two side-by-side windows, each titled "Cochlea equalizer". Each window contains a 3D visualization of a cochlea with frequency markers (2.0KHz, 1.5KHz, 1.0KHz, 0.5KHz) and a control panel with "Model", "Playback", and "Display" options. Below the windows are two "Input signal" graphs showing amplitude over time (0-20 ms). To the right of the graphs are volume controls for "Volume", "Master", and "Hold". At the bottom, there is a "Request license" button and a Windows taskbar with the time 1:37 PM on 10/9/2017.

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

Load file Run Pause 0 ms

Auto Manual Signal Music Mic

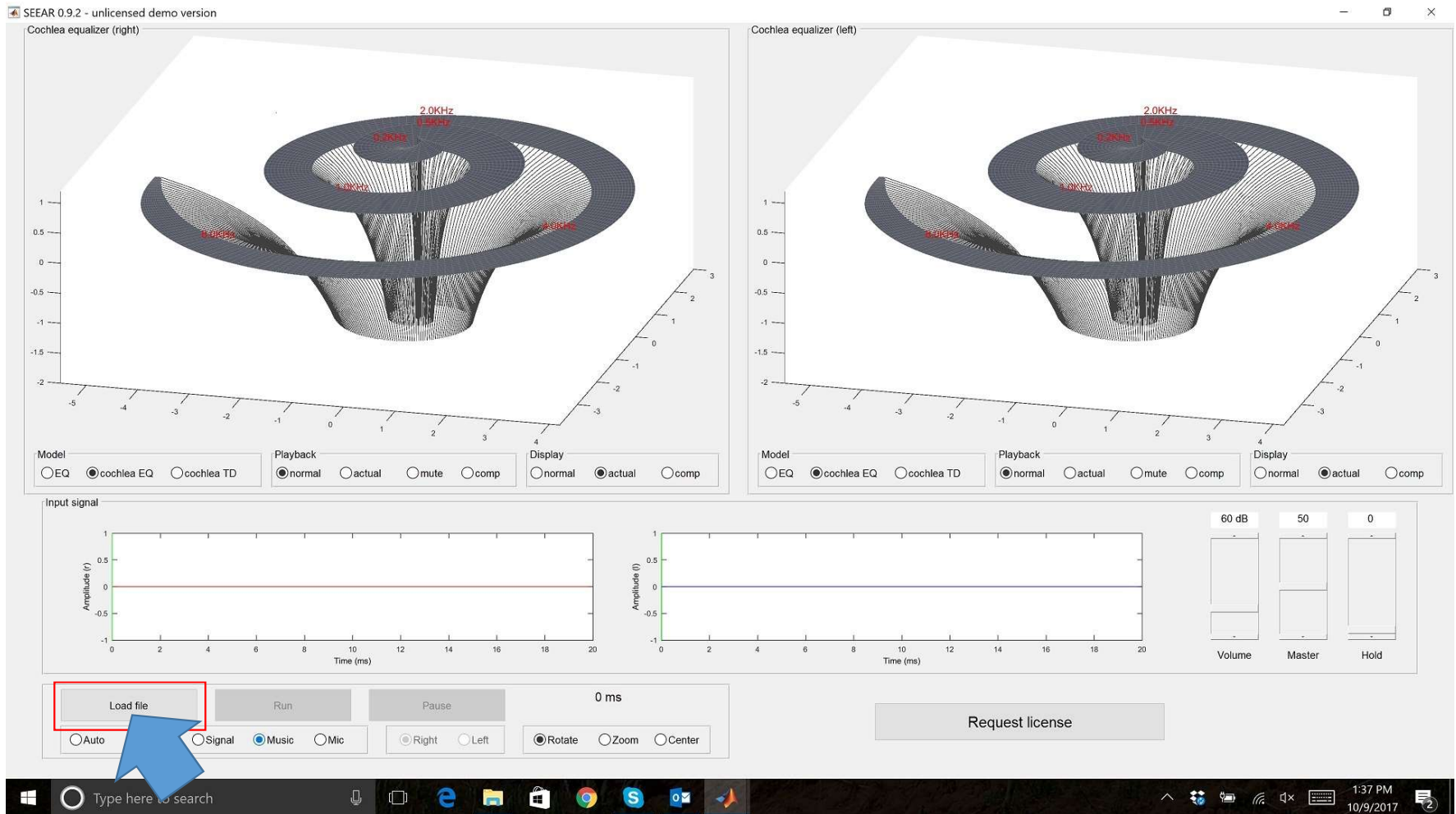
Right Left Rotate Zoom Center

Request license

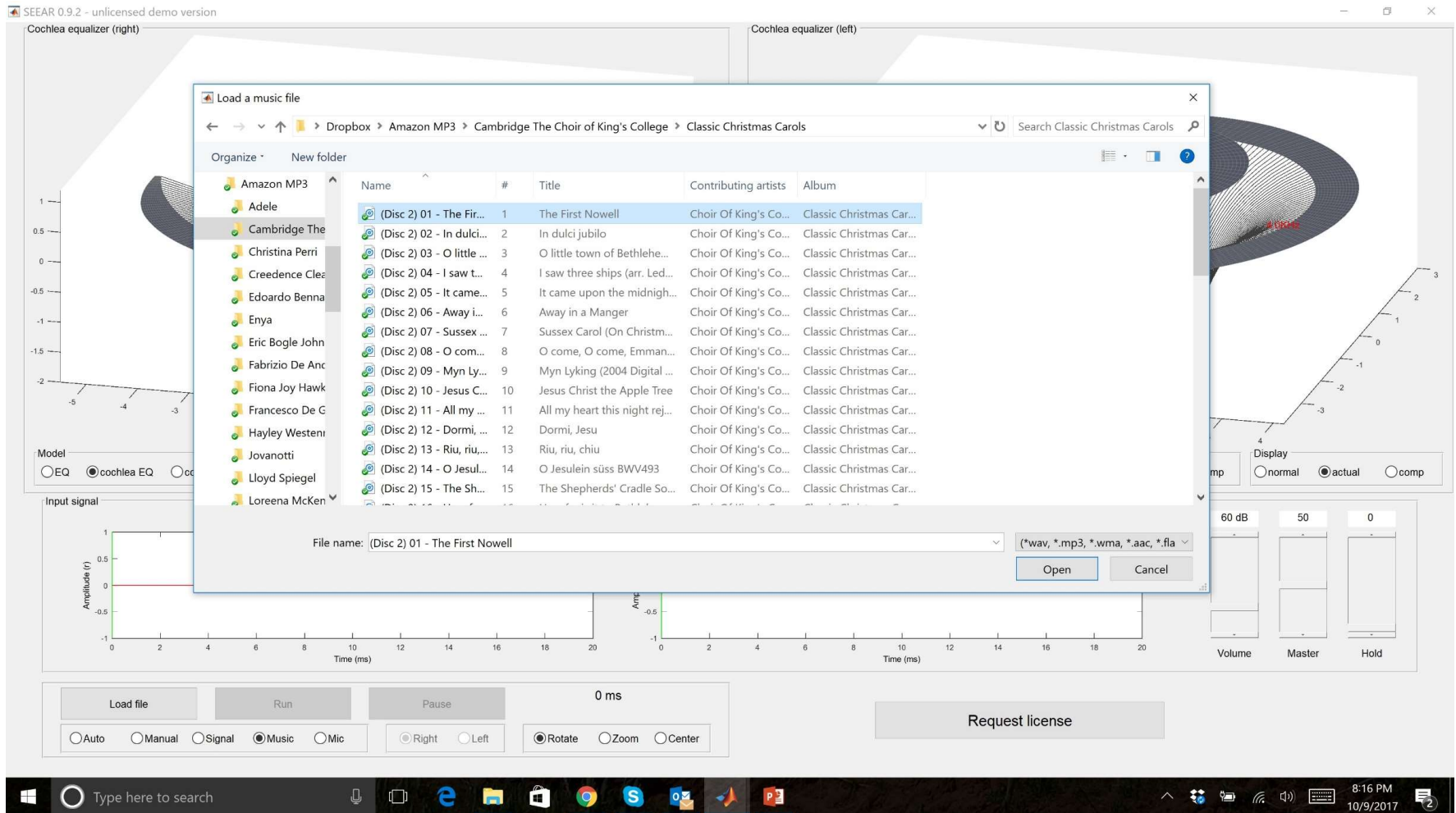
Type here to search

1:37 PM 10/9/2017

Welcome to the SEEAR Quick Tour



Load a file...



..from computer's audio library

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

(Disc 2) 01 - The First Nowell.mp3

Amplitude (I) vs Time (ms) $\times 10^6$

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

Windows taskbar: Type here to search, 8:07 PM, 10/9/2017

Music is loaded, almost ready to play

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

(Disc 2) 01 - The First Nowell.mp3

Amplitude (r) vs Time (ms) × 10⁵

Amplitude (l) vs Time (ms) × 10⁵

76 dB 50 0

Volume Master Hold

Request license

The screenshot displays the SEEAR software interface. At the top, there are two windows for cochlea equalizers, labeled 'right' and 'left'. Each window shows a 3D model of a cochlea with frequency markers (0.25KHz, 0.5KHz, 1.0KHz, 2.0KHz) and a control panel with radio buttons for Model, Playback, and Display. Below these are two waveform plots for 'Input signal' showing amplitude over time for the right and left channels. To the right of the waveforms is a volume control panel with three sliders: 'Volume' (set to 76 dB), 'Master' (set to 50), and 'Hold' (set to 0). A blue arrow points to the 'Volume' slider. At the bottom, there are buttons for 'Load file', 'Run', 'Pause', and 'Request license', along with playback controls like 'Auto', 'Manual', 'Signal', 'Music', 'Mic', 'Right', 'Left', 'Rotate', 'Zoom', and 'Center'. The Windows taskbar is visible at the very bottom, showing the time as 8:13 PM on 10/9/2017.

Adjust volume level

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 (Disc 2) 01 - The First Nowell.mp3

Amplitude (r) vs Time (ms) × 10⁵

Amplitude (l) vs Time (ms) × 10⁵

Volume: 76 dB, Master: 50, Hold: 0

Buttons: Load file, Run, Pause, Request license

Options: Auto Manual Signal Mic, Right Left, Rotate Zoom Center

The screenshot displays the SEEAR 0.9.2 software interface. At the top, there are two 3D cochlea models labeled 'Cochlea equalizer (right)' and 'Cochlea equalizer (left)'. Each model shows a spiral structure with frequency markers at 0.25KHz, 0.5KHz, 1.0KHz, 2.0KHz, and 3.0KHz. Below the models are control panels for 'Model', 'Playback', and 'Display'. The 'Model' panel has radio buttons for 'EQ', 'cochlea EQ' (selected), and 'cochlea TD'. The 'Playback' panel has radio buttons for 'normal' (selected), 'actual', 'mute', and 'comp'. The 'Display' panel has radio buttons for 'normal', 'actual' (selected), and 'comp'. Below these are two audio waveform plots for 'Input signal' from '(Disc 2) 01 - The First Nowell.mp3'. The left plot shows 'Amplitude (r)' vs 'Time (ms) × 10⁵' with a red waveform. The right plot shows 'Amplitude (l)' vs 'Time (ms) × 10⁵' with a blue waveform. To the right of the waveforms are three vertical sliders for 'Volume' (76 dB), 'Master' (50), and 'Hold' (0). At the bottom, there is a control bar with buttons for 'Load file', 'Run' (highlighted with a red box and a blue arrow), and 'Pause'. A 'Request license' button is also present. The Windows taskbar at the very bottom shows the search bar, taskbar icons, and system tray with the time 8:13 PM and date 10/9/2017.

Let's start playing

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 (Disc 2) 01 - The First Nowell.mp3

Amplitude (r) vs Time (ms) × 10⁵

Amplitude (l) vs Time (ms) × 10⁵

Volume: 76 dB | Master: 50 | Hold: 0

Load file | Stop | Pause | 6.32 s

Auto Manual Signal Music Mic

Right Left Rotate Zoom Center

Request license

Windows taskbar: Type here to search, 8:21 PM, 10/9/2017

See what you hear!

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: (Disc 2) 01 - The First Nowell.mp3

Amplitude (r) vs Time (ms) × 10⁵

Amplitude (l) vs Time (ms) × 10⁵

Volume: 76 dB, Master: 50, Hold: 0

31.76 s

Request license

The screenshot displays the SEEAR software interface. At the top, the title bar reads 'SEEAR 0.9.2 - unlicensed demo version'. Below it, there are two side-by-side windows titled 'Cochlea equalizer (right)' and 'Cochlea equalizer (left)'. Each window contains a 3D model of a cochlea with frequency labels (0.2KHz, 1.0KHz, 2.0KHz, 4.0KHz) and a vertical axis from -2 to 1. Below the models are control panels for 'Model', 'Playback', and 'Display'. In the 'Cochlea equalizer (right)' panel, the 'cochlea TD' radio button is selected and highlighted with a red box, with a blue arrow pointing to it. The 'Cochlea equalizer (left)' panel has 'cochlea EQ' selected. Below these are two audio waveform plots for '(Disc 2) 01 - The First Nowell.mp3', showing amplitude over time (ms) × 10⁵. To the right of the waveforms are three vertical sliders for 'Volume' (76 dB), 'Master' (50), and 'Hold' (0). At the bottom, there are buttons for 'Load file', 'Stop', 'Pause', and 'Request license', along with playback controls like 'Auto', 'Manual', 'Signal', 'Music', 'Mic', 'Right', 'Left', 'Rotate', 'Zoom', and 'Center'. The Windows taskbar is visible at the very bottom, showing the search bar and various application icons.

Change model to cochlea TD

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 (Disc 2) 01 - The First Nowell.mp3

Amplitude (r) vs Time (ms) × 10⁵

Volume: 76 dB | Master: 50 | Hold: 0

Buttons: Load file, Stop, Pause, 131.70 s, Request license

Options: Auto Manual Signal Music Mic | Right Left | Rotate Zoom Center

Windows taskbar: Type here to search, 8:28 PM, 10/9/2017

See what you hear some more!

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 (Disc 2) 01 - The First Nowell.mp3

Amplitude (r) vs Time (ms) × 10⁵

Amplitude (l) vs Time (ms) × 10⁵

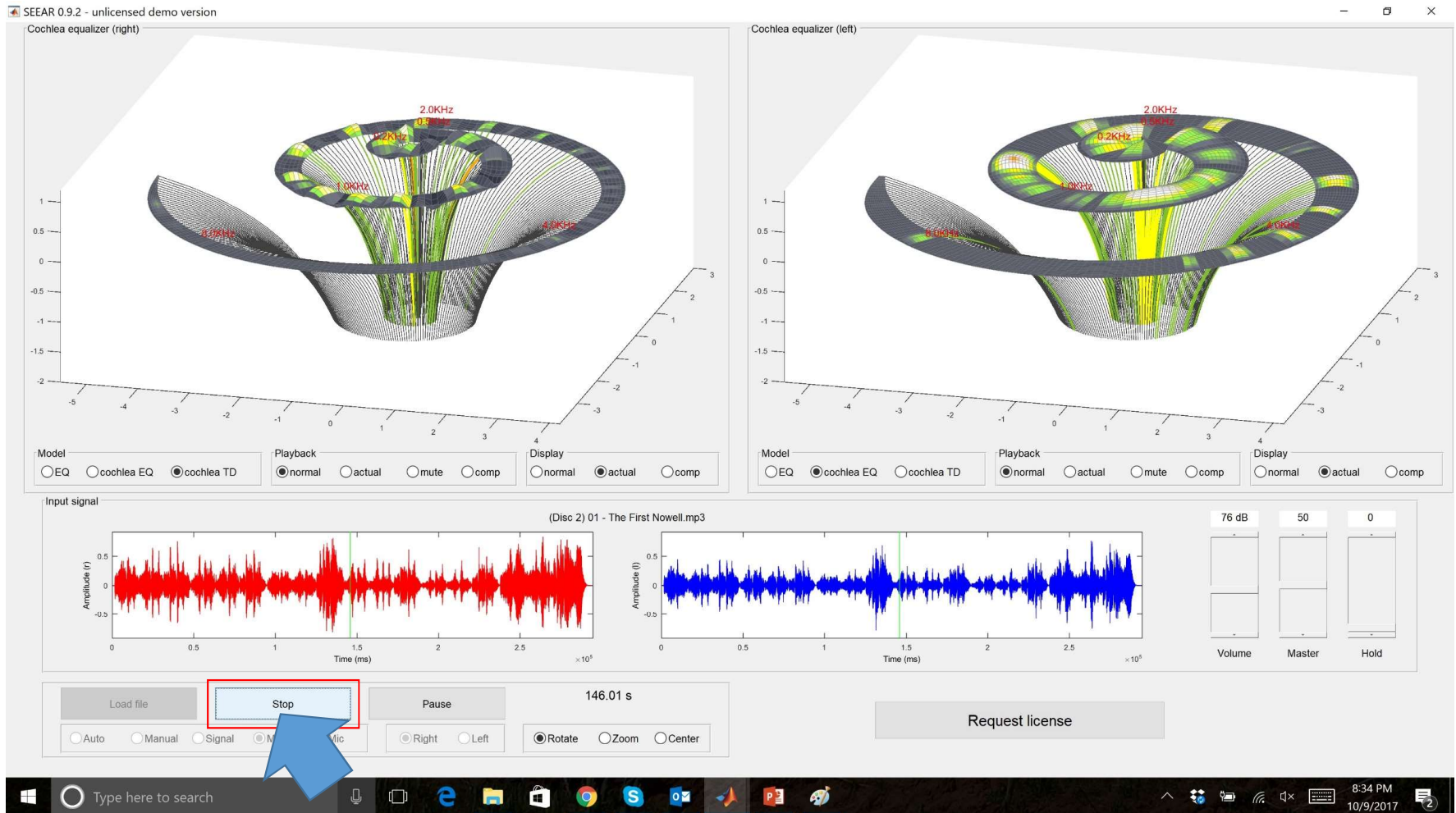
Volume: 76 dB, Master: 50, Hold: 0

Load file | **Stop** | Pause | 146.01 s

Auto Manual Signal Mic

Right Left Rotate Zoom Center

Request license



Stop SEEAR

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: (Disc 2) 01 - The First Nowell.mp3

Amplitude (r) vs Time (ms) × 10⁵

Amplitude (l) vs Time (ms) × 10⁵

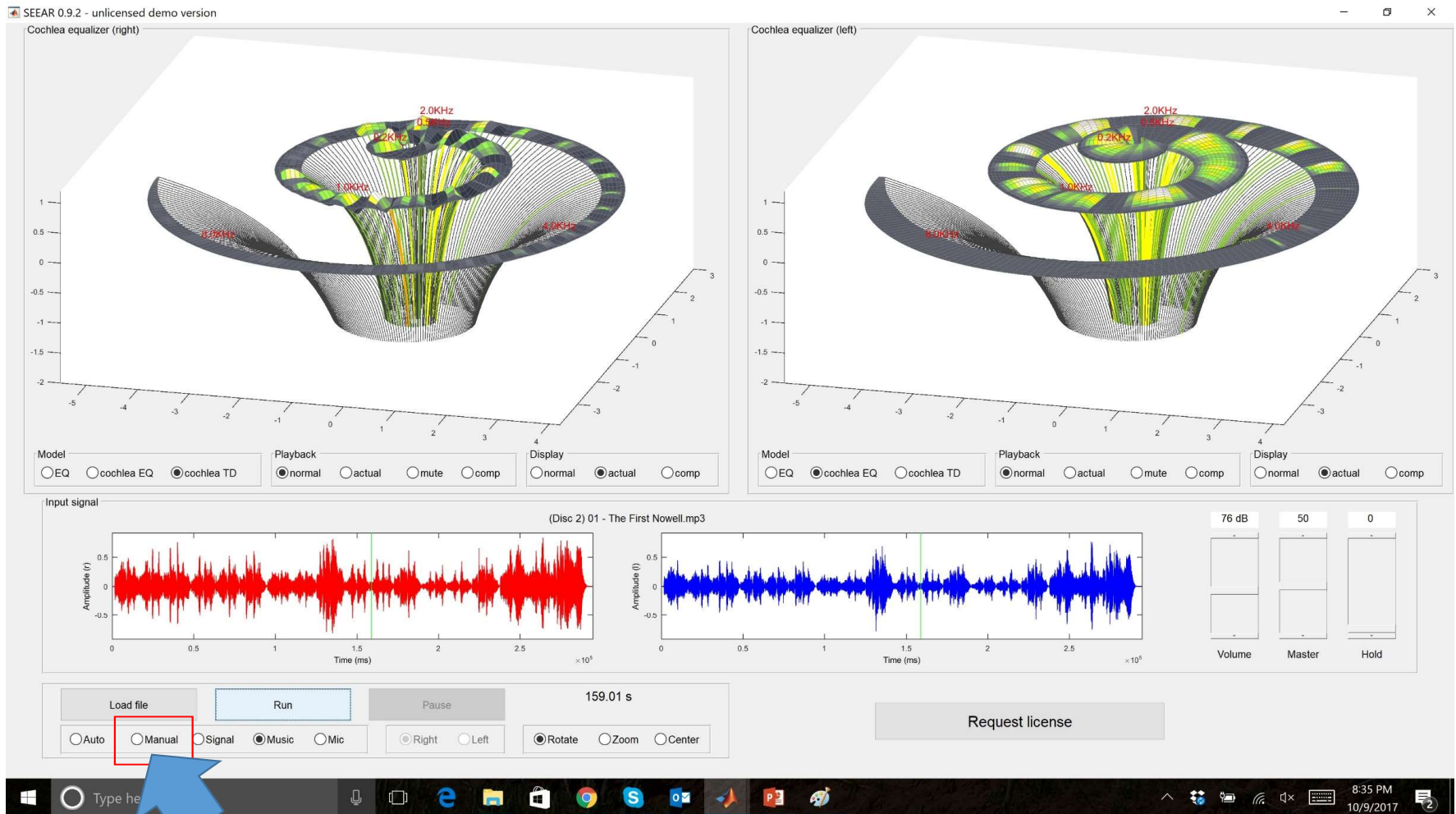
Volume: 76 dB, Master: 50, Hold: 0

Load file Run Pause 159.01 s

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, which is used for simulating hearing and cochlear models. The interface is divided into several panels:

- 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 thresholds for Right and Left ears, and pain thresholds for Right and Left ears. Compensation curves are also visible. Controls include a vertical slider for Max Comp (set to 30 dB), buttons for Load, Save, and Reset, and checkboxes for Recruitment.
- Input signal:** A graph showing Amplitude on the y-axis (ranging from -1 to 1) versus Time (ms) on the x-axis (ranging from 0 to 20). The signal is a single pulse at 1.08 KHz. Controls include a vertical slider for View Focus (set to 0 ms) and buttons for Load file, Run, and Pause.
- Tones:** A panel showing 10 red bars representing tones at 20 dB. Below the bars are radio buttons for frequencies: 0.05KHz, 0.10KHz, 0.20KHz, 0.40KHz, 0.80KHz, 1.60KHz, 3.20KHz, 6.40KHz, 12.80KHz, and 19.20KHz. A checkbox for SNR is also present.
- Cochlea model:** A 3D model of the cochlea showing the basilar membrane and the organ of Corti. The model is labeled with frequencies: 2.0KHz, 1.5KHz, 1.0KHz, and 0.5KHz. Controls include radio buttons for Active cochlea and Passive cochlea, and radio buttons for 2D model and 3D model.

Windows taskbar at the bottom shows the time as 8:37 PM on 10/9/2017.

Now in manual mode

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface. On the left, the 'Audiogram' plot shows 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). Below the plot are controls for 'Line' (Hearing threshold, Pain threshold, Compensation) and a 'Load' button highlighted with a red box and a blue arrow. The 'Input signal' plot shows Amplitude on the y-axis (ranging from -1 to 1) and Time (ms) on the x-axis (ranging from 0 to 20). The 'Tones' panel features ten red bars representing different frequencies, with a 'Tested' checkbox for each. The 'Cochlea model' panel shows a 3D model of the cochlea with frequency labels (1.5KHz, 2.0KHz, 2.5KHz, 3.0KHz) and a 'View Focus' button. The bottom of the interface includes a 'Load file' button, 'Run' and 'Pause' buttons, and various options for 'Auto', 'Manual', 'Signal', 'Music', 'Mic', 'Right', 'Left', 'Rotate', 'Zoom', and 'Center'. The Windows taskbar at the bottom shows the time as 8:37 PM on 10/9/2017.

Load a sample audiogram

SEEAR 0.9.2 - unlicensed demo version

The screenshot displays the SEEAR software interface. A file selection dialog is open, showing a list of audio files in the 'Audiograms' folder. The file 'presbycusis.aud' is selected. The background interface includes an 'Audiogram' plot, a 'Tones' section with frequency sliders, and a 3D model of a cochlea. The Windows taskbar at the bottom shows the system time as 8:40 PM on 10/9/2017.

Name	Date modified	Type	Size
bilateral acoustic trauma.aud	10/5/2017 6:58 PM	AUD File	2 KB
bilateral hereditary hearing loss.aud	10/5/2017 7:01 PM	AUD File	2 KB
bilateral low frequencies hearing loss.aud	10/5/2017 7:02 PM	AUD File	2 KB
bilateral pantonal hearing loss.aud	10/5/2017 7:03 PM	AUD File	2 KB
monolateral acoustic trauma .aud	10/5/2017 7:04 PM	AUD File	2 KB
monolateral low frequencies hearing loss...	10/5/2017 7:05 PM	AUD File	2 KB
monolateral pantonal hearing loss .aud	10/5/2017 7:07 PM	AUD File	2 KB
presbycusis.aud	10/5/2017 7:08 PM	AUD File	2 KB

Presbycusis, typical old age impairment

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 10¹). The graph includes curves for Right and Left hearing thresholds, Pain thresholds, and Compensation curves. The Right hearing threshold curve shows a significant decline in amplitude as frequency increases, starting around 20 dB at 0.1 KHz and reaching approximately 70 dB at 10 KHz. The Left hearing threshold curve is relatively flat, staying around 20 dB. Pain thresholds for both ears are shown as horizontal lines at approximately 0 dB. Compensation curves are also shown as horizontal lines at approximately 0 dB.
- Input signal:** A graph showing Amplitude on the y-axis (ranging from -1 to 1) versus Time (ms) on the x-axis (ranging from 0 to 20). The signal is a single pulse at 1.08 KHz.
- Tones:** A section with 10 red bars representing tones at 20 dB. Below the bars are radio buttons for frequencies: 0.05KHz, 0.10KHz, 0.20KHz, 0.40KHz, 0.80KHz, 1.60KHz, 3.20KHz, 6.40KHz, 12.80KHz, and 19.20KHz. There is also an SNR control.
- Cochlea model:** A 3D model of the cochlea showing the basilar membrane and the organ of Corti. The model is labeled with frequencies: 2.0KHz, 1.5KHz, 1.0KHz, and 0.5KHz. Below the model are radio buttons for Active cochlea, Passive cochlea, 2D model, and 3D model.

At the bottom of the interface, there are control buttons for Load file, Run, Pause, and View Focus. There are also radio buttons for Auto, Manual, Signal, Music, Mic, Right, Left, Rotate, Zoom, and Center.

Notice audiogram curves

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 10^1). The graph includes curves for Right and Left hearing thresholds, Pain thresholds, and Compensation curves. A blue arrow points to the Right hearing threshold curve, indicating that it can be modified by clicking on the graph.
- Input signal:** A graph showing Amplitude versus Time (ms) for a 1.08 KHz signal.
- Tones:** A section for selecting tones, with 10 red bars representing different frequencies. The selected tone is 0.05KHz.
- Cochlea model:** A 3D model of the cochlea showing the basilar membrane and the tonotopic map. 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 "0 ms". There are also radio buttons for "Auto", "Manual", "Signal", "Music", "Mic", "Right", "Left", "Rotate", "Zoom", and "Center".

Windows taskbar at the bottom shows the time as 8:45 PM on 10/9/2017.

Click on graph to modify curves (if needed)

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 10¹). It includes curves for Right, Left, Pain right, Pain left, Comp right, and Comp left. Controls for Max Comp and Recruitment are visible.
- Input signal:** A graph showing Amplitude on the y-axis (ranging from -1 to 1) versus Time (ms) on the x-axis (ranging from 0 to 20). A frequency of 1.08 KHz is indicated.
- Tones:** A section with ten red bars representing different tones, each labeled 20 dB. Below the bars are radio buttons for frequencies: 0.05KHz, 0.10KHz, 0.20KHz, 0.40KHz, 0.80KHz, 1.60KHz, 3.20KHz, 6.40KHz, 12.80KHz, and 19.20KHz. An SNR control is also present.
- Cochlea model:** A 3D model of the cochlea showing the basilar membrane and the organ of Corti. Frequencies of 1.5KHz, 2.0KHz, and 4.0KHz are labeled. Controls for Active cochlea, Passive cochlea, 2D model, and 3D model are visible.

At the bottom of the interface, there are buttons for Load file, Run, and Pause. The Run button is highlighted with a red box, and a blue arrow points to it. Below the Run button are radio buttons for Auto, Manual, Signal, Music, and Mic. The Music button is also highlighted with a red box.

Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the time 8:45 PM and date 10/9/2017.

Back to music

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

(Disc 2) 01 - The First Nowell.mp3

Amplitude (r) vs Time (ms) × 10⁵

Amplitude (l) vs Time (ms) × 10⁵

Volume: 76 dB, Master: 50, Hold: 0

Load file Run Pause 159.01 s

Auto Manual Signal Mic

Right Left Rotate Zoom Center

Request license

The screenshot displays the SEEAR 0.9.2 software interface. At the top, there are two 3D cochlea models, one on the right and one on the left, both showing frequency components at 0.2KHz, 1.0KHz, 2.0KHz, and 4.0KHz. Below these are control panels for 'Model', 'Playback', and 'Display'. The 'Model' panel has radio buttons for 'EQ', 'cochlea EQ', and 'cochlea TD', with 'cochlea TD' selected. The 'Playback' panel has radio buttons for 'normal', 'actual', 'mute', and 'comp', with 'normal' selected. The 'Display' panel has radio buttons for 'normal', 'actual', and 'comp', with 'actual' selected. Below the models are two waveform plots for 'Input signal' showing 'Amplitude (r)' and 'Amplitude (l)' over 'Time (ms) × 10⁵'. To the right of the waveforms are three vertical sliders for 'Volume' (76 dB), 'Master' (50), and 'Hold' (0). At the bottom, there is a control bar with buttons for 'Load file', 'Run' (highlighted with a red box and a blue arrow), and 'Pause'. A timer shows '159.01 s'. There are also radio buttons for 'Auto', 'Manual', 'Signal', and 'Mic' (selected), and 'Right', 'Left', 'Rotate' (selected), 'Zoom', and 'Center'. A 'Request license' button is on the right. The Windows taskbar is visible at the bottom with the time '8:35 PM 10/9/2017'.

Play again

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 3D cochlea models are shown side-by-side, labeled "Cochlea equalizer (right)" and "Cochlea equalizer (left)". Each model is a spiral structure with a central core and an outer shell, rendered in a wireframe style. The right model has frequency markers at 0.1KHz, 1.0KHz, 2.0KHz, and 4.0KHz. The left model has markers at 0.2KHz, 1.0KHz, and 2.0KHz. Below the models are two sets of controls. The left set includes "Model" (EQ, cochlea EQ, cochlea TD), "Playback" (normal, actual, mute, comp), and "Display" (normal, actual, comp). The right set includes "Model" (EQ, cochlea EQ, cochlea TD), "Playback" (normal, actual, mute, comp), and "Display" (normal, actual, comp). Below these are two audio waveform plots. The left plot is labeled "Input signal" and shows a red waveform with "Amplitude (r)" on the y-axis and "Time (ms) × 10⁵" on the x-axis. The right plot shows a blue waveform with "Amplitude (l)" on the y-axis and "Time (ms) × 10⁵" on the x-axis. To the right of the waveforms are three vertical sliders labeled "Volume" (76 dB), "Master" (50), and "Hold" (0). At the bottom of the interface are buttons for "Load file", "Stop", "Pause", and "Request license". A timer shows "15.60 s". Below the buttons are radio buttons for "Auto", "Manual", "Signal", "Music", "Mic", "Right", "Left", "Rotate", "Zoom", and "Center". The Windows taskbar is visible at the very bottom, showing the search bar, taskbar icons, and system tray with the time "8:48 PM" and date "10/9/2017".

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

Amplitude (r)

Time (ms) × 10⁵

Amplitude (l)

Time (ms) × 10⁵

76 dB 50 0

Volume Master Hold

Load file Stop Pause 15.60 s

Auto Manual Signal Music Mic

Right Left Rotate Zoom Center

Request license

Type here to search

8:48 PM 10/9/2017

Observe cochlea with presbycusis

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 (r) vs Time (ms) $\times 10^5$

Amplitude (l) vs Time (ms) $\times 10^5$

76 dB | 0

Volume | Master | Hold

Load file | Stop | Pause | 15.60 s

Auto Manual Signal Music Mic

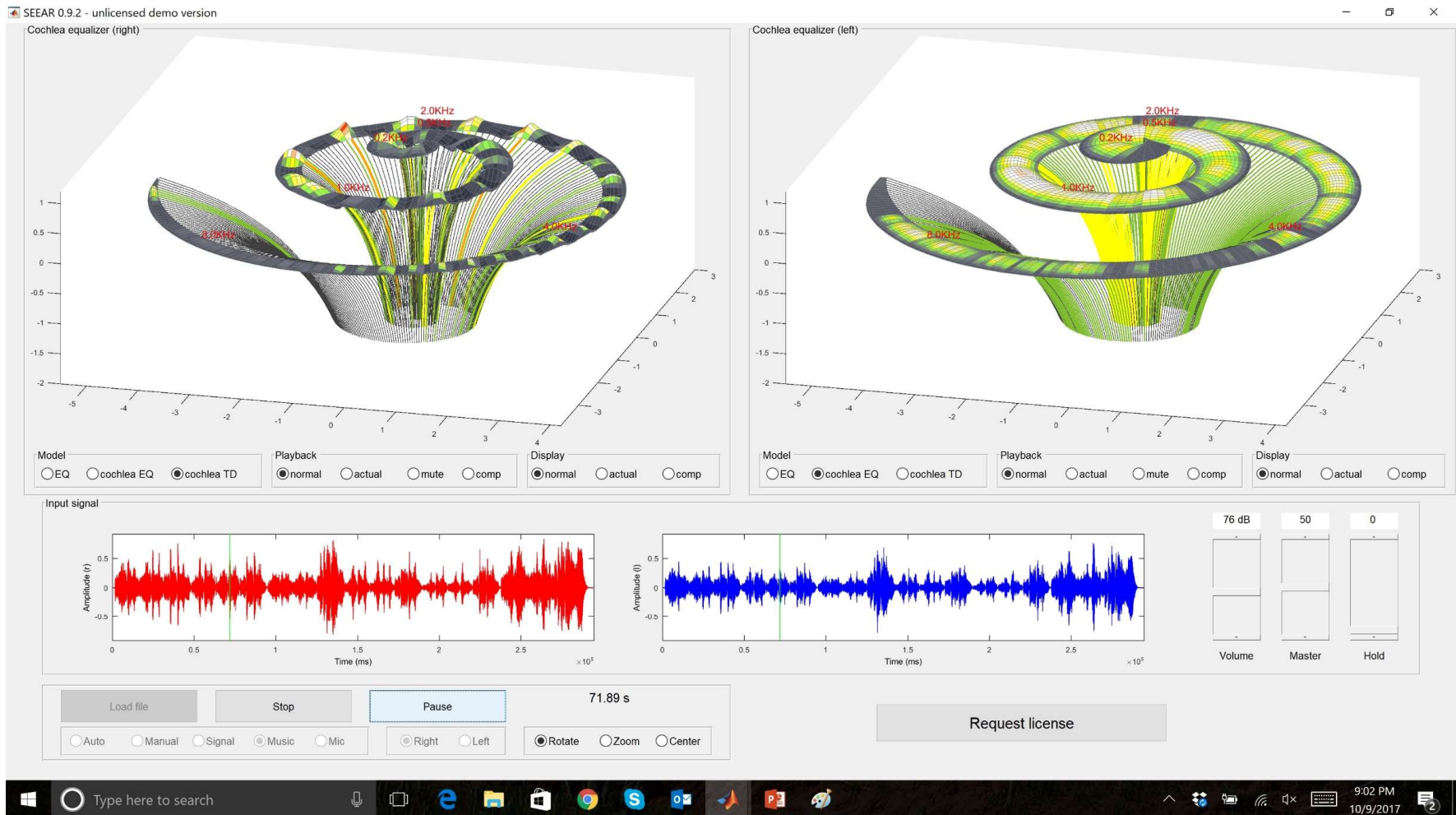
Right Left Rotate Zoom Center

Request license

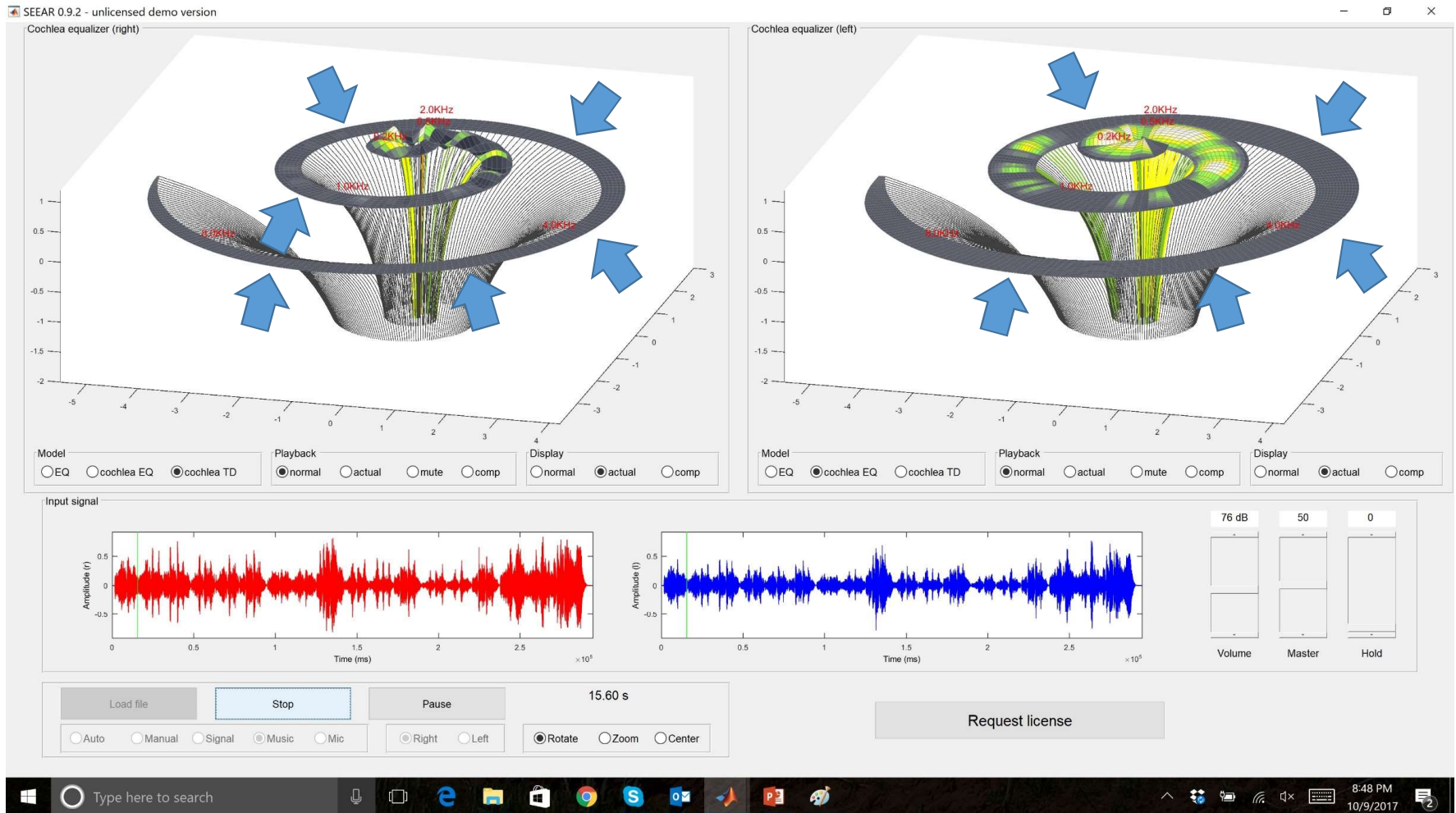
Type here to search

8:48 PM 10/9/2017

Change display to normal



See full spectrum of cochlear activity



Compare with dead areas of presbycusis

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

76 dB 50 0

Volume Master Hold

Load file Stop Pause 5.94 s

Auto Manual Signal Music Mic

Right Left Rotate Zoom Center

Request license

Windows taskbar: Type here to search, 10:00 PM 10/9/2017

Music with normal hearing

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 (r) vs Time (ms) $\times 10^4$

Amplitude (l) vs Time (ms) $\times 10^4$

76 dB 50 0

Volume Master Hold

Load file Stop Pause 6.13 s

Auto Manual Signal Music Mic

Right Left Rotate Zoom Center

Request license

Change Playback to actual

SEEAR 0.9.2 - unlicensed demo version

Cochlea equalizer (right)

Cochlea equalizer (left)

The screenshot displays the SEEAR software interface. At the top, it shows the title 'SEEAR 0.9.2 - unlicensed demo version'. Below this, there are two side-by-side 3D cochlea models. The left model is labeled 'Cochlea equalizer (left)' and the right model is labeled 'Cochlea equalizer (right)'. Both models show a spiral cochlea with various frequency bands highlighted in yellow and green, with labels for 0.2KHz, 1.0KHz, and 2.0KHz. Below the models are control panels for 'Model', 'Playback', and 'Display'. The 'Model' panel has radio buttons for 'EQ', 'cochlea EQ', and 'cochlea TD'. The 'Playback' panel has radio buttons for 'normal', 'actual', 'mute', and 'comp'. The 'Display' panel has radio buttons for 'normal', 'actual', and 'comp'. Below the models are two waveform plots. The left plot is labeled 'Input signal' and shows a red waveform. The right plot shows a blue waveform. To the right of the waveforms are three vertical sliders labeled 'Volume', 'Master', and 'Hold', with values of 76 dB, 50, and 0 respectively. At the bottom of the interface, there are buttons for 'Load file', 'Stop', 'Pause', and 'Request license'. The 'Stop' button is highlighted. Below these buttons are radio buttons for 'Auto', 'Manual', 'Signal', 'Music', 'Mic', 'Right', 'Left', 'Rotate', 'Zoom', and 'Center'. The 'Rotate' button is selected. At the bottom of the screen, there is a Windows taskbar with the search bar and various application icons. The system tray shows the time as 9:43 PM on 10/9/2017.

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

Amplitude (r) vs Time (ms) $\times 10^5$

Amplitude (l) vs Time (ms) $\times 10^5$

76 dB 50 0

Volume Master Hold

Load file Stop Pause 6.50 s

Auto Manual Signal Music Mic

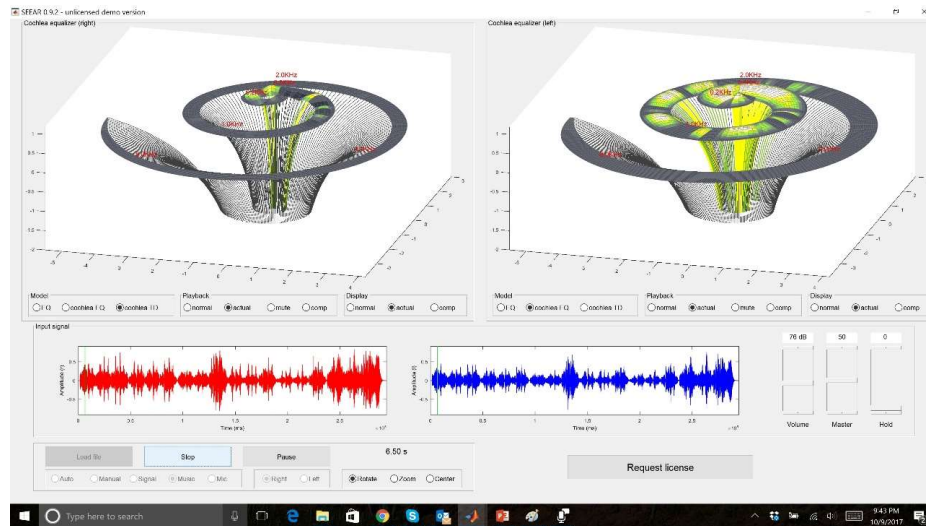
Right Left Rotate Zoom Center

Request license

Type here to search

9:43 PM 10/9/2017

Hear what impaired patient hears



SEE WHAT YOU HEAR

SEEAR

www.seewhatyouhear.net