How to Present External Audio Stimuli from CD using the Aurical Aud Audiometer

This page explains how to present audio stimuli from an Audio CD to a test subject in the CMA 2 CSD Clinic Audiology Booths.

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Overview

The audiometers in Booths B, E, F & G have external inputs which are fed from an Audiometer Aux Switcher which allow CD, iPod & PC external sources to be presented to the test subject.

Before Your Session

<table>
<thead>
<tr>
<th>Power on the equipment in your booth. Instructions here.</th>
<th>Select CD on the audiometer aux switcher. Note that the volume knob on this switcher has been disabled and does not affect output volume.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Volume knob disabled &amp; does not affect volume.</td>
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</table>

Log into the PC using your EID & password.

Launch OTOSuite from the desktop.
OTOSuite will launch and prompt you for the client details. Fill in the relevant fields and then click OK.

In the top toolbar, click Control Panel to toggle the left-hand control panel.

In the Quick Select section of the Control Panel, under "Test Ear" choose an ear - Right, Both, or Left.

Under "Measurement", choose a transducer.

To route audio to the headphones, choose AC.

To route audio to the bone conductor, choose BC.

To route audio to the soundfield speakers, choose SF

Play the CD.

In the Test Options section of the control panel, set input to Line In Source A.

Activate "Stim. On" to pass audio from the CD Player.
In the Monitor/Level section of the Control Panel, calibrate the audiometer's external input trims using the test tone on the CD.

~ Level Source A corresponds with the Left output from the CD.

~ Level Source B corresponds with the Right output from the CD.

To adjust presentation volume, use the arrow Up/Dn keys on the keyboard. The reference volume will be shown in the top left of the main window of OTOSuite.

Test and confirm all transducers are working prior to your test subject's arrival.

After Your Session

Eject & file your CD(s).

Power off the equipment in your booth. Instructions here.

Troubleshooting CD Audio Stimuli Playback
| No Sound from Audiometer CD player | Are you playing music from the correct CD player?  
~ Some booths have 2 CD players in the rack. Ensure you are using the one labeled “Audiometer CD Player” |
|-----------------------------------|----------------------------------------------------------|
| Is CD selected as the source on the correct switcher?  
~ Some booths have 2 identical switchers in the rack (Audiometer Aux In & Mother’s Distraction). Ensure the one labeled “Audiometer Aux In” has CD selected as the source.  
~ Connect a pair of headphones to the Audiometer Aux In switcher. If you can hear the CD, the issue is downstream in the audiometer or transducers. If you cannot hear the CD, the issue is in the switcher or CD player. |
|-----------------------------------|----------------------------------------------------------|
| Is the CD player time moving?  
~ Ensure the CD player is turned on, has a CD loaded, and is playing. You should see the time indicator on the front of the CD player progressing. |
<table>
<thead>
<tr>
<th><strong>Is the CD you’re trying to play a burned CD-R?</strong></th>
<th>![CD logo]</th>
</tr>
</thead>
<tbody>
<tr>
<td>~ Sometimes CD players have trouble with burned CDs. This could be due to the type of CD media or perhaps because the author failed to properly burn it for playback on an Audio CD player.</td>
<td></td>
</tr>
<tr>
<td>~ Ensure the CD was burned as an Redbook Audio CD (not MP3 CD, not data CD) using CD-R media (not CD-RW, DVD-R, not DVD+R, not BD-R, etc).</td>
<td></td>
</tr>
<tr>
<td>~ Ensure that when burned the disc was &quot;closed&quot; by the burning software. &quot;Closing&quot; the disc writes the table of contents to the disc and makes the disc readable by Audio CD players.</td>
<td></td>
</tr>
<tr>
<td>~ Try playing a commercially produced Audio CD instead and see if the behavior changes.</td>
<td></td>
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</tbody>
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<table>
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<tr>
<th><strong>Are the transducers connected to correct jacks &amp; working?</strong></th>
<th>![Audio switcher]</th>
</tr>
</thead>
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<tr>
<td>~ Test other transducers and/or replacement transducer.</td>
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<tr>
<th><strong>Is there power to the Switcher?</strong></th>
<th>![Audiometer aux in switcher]</th>
</tr>
</thead>
<tbody>
<tr>
<td>~ The Audiometer Aux In switcher has a small blue LED to the right of the headphone volume knob. Ensure that this is lit indicating that the switcher has power.</td>
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