## **OSP Hardware Sanity Check - <u>PHP/Laravel version</u> of EWS**

These steps verify that RT-MHA, PHP/Laravel version of EWS, and audio input/output work. For Node.js version of EWS, see "OSP Sanity Check - <u>Node.js version</u> of EWS"

## 1. In your browser, check that you're in the right landing page.

If not, type in "**192.168.8.1**" in the browser search bar.

<ul> <li>OSP × +</li> <li>← → C ③ localhost:8080</li> </ul>		🚖 😁 Incognito (2) 🚦
The Open Speech Platform Webapps	for research.	
Researcher Page	4 Alternate Forced Choice (4AFC) Task	Goldilocks
Includes amplification, noise and feedback parameters.	Includes a 4AFC Task webapp in which an end user can play a sound on click and select a response from 4 options.	Includes researcher interface and end user interface
Ecological Momentary Assessment (EMA)	AB Tasks 👻	Go to our website
Includes an EMA webapp, using which an end user can respond to a prompted question or set of questions.	Includes an AB Task webapp, using which an end user can select a relationship between two presented stimuli, A and B, evaluated on a 7 point likert scale.	This is a link to the Open Speech Platform website!

2. In the upper-right hand corner, click on the button labeled "Researcher Page".



3. You should see this screen for the Researcher Page in the "Amplification" section.

Amplification			Noise Management			Feedback Management		
Home								
Controls								
Control Via:		G50/G80	CR/G65				Read 👻	
AFC:		On Off					Save	
Global MPO: 120					Save as			
Channel: Both Left Right								
Parameter	250		500	1000	2000	4000	8000	All
CR	1		1	1	1	1	1	
G50	0		0	0	0	0	0	
G65	0		•	0	0		0	

Calibrate the MHA device using measured values.				
			Inclu feed	des back

Researcher Page	
Includes amplification, noise and feedback parameters.	

G80	0	0	0	0	0	0	
Knee	45	45	45	45	45	45	
мро	120	120	120	120	120	120	
Attack	5	5	5	5	5	5	
Release	20	20	20	20	20	20	

4. Get one of the BTE-RICs and hold it close to its intended ear. DO NOT put it too close or inside your ear yet.

Disclaimer: To people with normal hearing, BTE-RICs can become quite loud, you can risk blowing your ears out. Unless you're already familiar with different audio parameters, the BTE-RICs should be tested first to determine how loud they are before inserting them close or inside into your ears. 5. Scroll to the bottom of the page and click on the "Transmit" button. Then, scratch the BTE-RICs on the circled areas and listen for immediate audio feedback.



6. Scroll back up and view the "Controls" settings. Next to "Control Via:", click on CR/G65. Then, In the boxed cell within the "All" column and "G65" row, type in "5". Notice the change in values.

Changing the value in the boxed cell to "5" should change the gain for "g65" to be 5 decibels (dB SPL) across all frequency bands (250 to 8000 Hertz).

Controls



7. Scroll to the bottom of the page and click on the "Transmit" button again. Scratch the BTE-RICs on the circled areas again and listen for immediate audio feedback. Notice

## the differences in volume.



