Instructions for JVO GPR-VTL JNDs – Exp.4

# Apparatus

Switch on the computer, login (pw: RedRoom) and start Matlab. Go to the directory “~/Experiments/Etienne/2013-11-26 - Exp.4 – Shift”.

Switch on the AudioFire sound card (gray box on top).

Switch on the Lavry (black box below) and set the volume to 11.

Switch on the screen in the booth.

Make sure the mouse is connected (disconnect the keyboard if necessary).

Make sure the headphones are connected.

# Paperwork 1

* Get the subject to read [E1- Informatie voor NH-deelnemers - 3.2a.pdf]. Ask if they have questions and if they understood everything.
* When it is the case, give them [F1 - Proefpersooninfromatie - NH - 2.0.pdf] to fill in and sign. At the top, write the full subject ID (JVO/Exp4/S…)
* Then get them to complete [E3 - Toestemmingsformulier - 2.0.pdf]. At the top, write the full subject ID (JVO/Exp4/S…).
* Make an entry in the lab book with:
  + The ID of the subject (JVO/Exp4/S…)
  + The name of the directory from which the experiment is ran
  + The date and time
  + The name of the subject

# Audiometry

Run the audiometry in each ear, on frequencies 500, 1000, 2000, 4000 and 8000. Note the values in the lab book.

# Run the experiment

To run the experiment type in Matlab:

expe\_run(‘S01’, ‘training’)

Replace ‘S01’ with the (short) ID of the subject. Don’t forget the single quotes.

You will see some warning on the screen saying that the subject doesn’t exist and needs to be created. Then the subject gets some instructions (in English). Explain that three triplets of syllables will be presented and that the syllables are the same in the three triplets, but that one of the triplets is said with a different voice. They have to click on the one that was said with a different voice.

Also explain that sometimes a robotic voice is used, and it can be difficult to hear a voice at all. In that case, they must just pick up the one that seems different in any ways.

Stay with them during the training and explain that, within a run (I call “a run” a succession of trials), things will get more and more difficult until the end of the run is reached. The runs in the training are much shorter than the ones in the actual experiment. Ask if they have any question at the end of the first run, and once everything is clear, let them continue with the following runs.

Then explain that you will start the actual experiment and that they can take breaks from time to time between runs.

To start the actual experiment, type in Matlab:

expe\_run(‘S01’, ‘test’)

Still replacing ‘S01’ with the appropriate value. Don’t forget the single quotes.

Note that if the subject clicks on “Cancel” instead of “Go” between blocks, or if anything goes wrong, you can restart from where you stopped by typing the exact same command again.

# Paperwork 2

While the subject is doing the experiment, make note of the different steps you’ve done: running the training (with the time) and running the test (with the time as well). Note everything unusual (e.g. the computer crashes, the subject complains about something, etc…).

When the subject is approaching the end of the experiment, fill in the time in the [Onkostenformulier proefpersonen - zonder reis.pdf] form. When the subject is finished, get them to complete and sign that form.