

Ludovic - Auditory Localizer

From KnightLab

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Contents

- 1 Overview
- 2 Setup
- 3 Procedure
- 4 Timing

Overview

- Patient will passively listen to a series of sounds (pure tones, complex tones, sweeps, syllables, words and sentences).
- If time allows, please record additional blocks of this localizer (ideally on all days where auditory tasks are run, to track any functional changes).
- On-screen instructions are first displayed, followed by the actual task.

Setup

as an analog channel
↓

OS	Software	Toolbox	Photodiode	Speakers	Microphone	Other peripheral(s)
Linux	Python 3	PsychoPy 3	-	X	ideally	-

- For the speakers, please make sure sound level is loud but still comfortable.
- Microphone is optional (to record environmental sounds, e.g. door openings, nurse talking...). See [[]] for setup.

Procedure

- 1a. Go in the `_LAUNCHER`, double-click on *Ludovic_AuditoryLocalizer*, and choose *Run in Terminal*.
- 1b. Or **Command to run the task:** in a terminal, change directory to *Dropbox/Ludovic/AuditoryLocalizer/*, type *conda activate python3_exp*, then type *python AuditoryLocalizer.py*.
- 2. Type patient ID when prompted (e.g., *IR99*).
- 3. Read on-screen instructions to patient (~1 minute).
- 4. Continue with the task (~5 minutes).
- 5. **Key to exit the task:** at any time, press *q* to cleanly exit.
- 6. If you launched the task from 1b, type *conda deactivate* in the terminal (to restore Python 2.7 as default).

Thanks for recording!

Timing

Instructions	Practice	Blocks	TOTAL
1 min (on screen / oral)	-	5 min (1 block)	6 min

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Categories: [Experimental Task](#) | [Current Task](#)

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