



## Go/NoGo EEG Experiment Pre-Session Checklist

### 1. Participant Setup

- ☐ Participant has given informed consent.
- ☐ Participant ID is noted and entered into PsychoPy.
- ☐ Participant is seated comfortably in front of the screen.
- ☐ Distractions minimized (e.g., no phones, notifications, conversations).
- ☐ Headphones removed (unless required).
- ☐ Glasses/vision aids are on if needed.
- ☐ Instructions (briefed in-person + shown on screen).

### 2. System Check

- ☐ Laptop is plugged in (not running on battery)
- ☐ All Bluetooth devices **except Muse** are disabled
- ☐ Screen resolution is set correctly.
- ☐ PsychoPy version is correct.
- ☐ Correct .psyexp file is loaded.
- ☐ Corresponding .xlsx files (CondBlock1.xlsx – CondBlock6.xlsx) are in the same folder

### 3. Muse EEG Setup

- ☐ Muse is charged and turned on.
- ☐ Muse fits snugly on the participant's head.
- ☐ Good contact with all sensors (adjust hair/skin if needed).
- ☐ Bluetooth connection established.
- ☐ Run python -m muselsl stream and confirm EEG stream is live.

### 4. LabRecorder

- ☐ LabRecorder is open.
- ☐ **Muse** stream and **Markers** stream are visible.
- ☐ File name is set correctly (e.g., sub-01\_ses-1.xdf).

- ☐ Click **Start** before running the experiment.

### 5. LSL Marker System

- ☐ Markers appear in PsychoPy Runner panel (e.g., Marker sent: Fixation).
- ☐ ExperimentStart marker is shown when the task begins.
- ☐ Markers for Cue, Stimulus, Response, Feedback, and Breaks are all visible.

### 6. PsychoPy Task Flow

- ☐ Instruction screen appears correctly at the start.
- ☐ All 6 blocks run in correct sequence.
- ☐ Break screens appear between blocks (with space to resume).
- ☐ Feedback is shown after each trial.
- ☐ Thank You screen appears at the end.
- ☐ ExperimentEnd marker is sent.

### 7. Data Check (After Experiment)

- ☐ Stop LabRecorder (verify .xdf file was created).
- ☐ PsychoPy saves behavioral .csv file.
- ☐ Save participant ID and session info.
- ☐ Optionally: Check .xdf file with check\_xdf\_markers.py.

### 8. Reset

- ☐ Close PsychoPy, LabRecorder, and muselsl after each session.
- ☐ Disconnect Muse and recharge if needed.
- ☐ Back up data files (e.g., to OneDrive, external drive).
- ☐ Prep next participant folder & ID.