**Instructions DeepMReyeClosed: Eyetracking Training**

Before experiment:

-pull the latest version from github

-put screen at 120cm distance

-change refresh rate of screen to 120hz (display settings, advanced)

-change settings in experiment: start\_exp = 1, tracker = 1, mkVideo = 0, training = 1

**Configure EyeLink:**

Participants should be sitting up right, their forehead completely resting on the placeholder, but not stretching the face. The face should be not too high, the nose on the white line.

For Closed: participants should close their eyes before placing the forehead (so that skin is stretched).

**General instructions for participants:**

They will do two experiments, three runs each. Most of the instructions are shown on screen.

Before every run, there is a calibration for the eyetracker.

*First calibration*: Experimenter can adjust EyeLink camera settings.

Instructions shown on screen - press space – press return (twice) – adjust camera by pressing A (pupil should be fully detected, corneal reflection as small as possible).

*Calibration:*

Press C – IMPORTANT look at dot while pressing enter to start the calibration

Press V – IMPORTANT look at dot while pressing enter to start validation

This part can be repeated as often as participant or experimenter wish

To exit and start the experiment, press escape (on the right keyboard)

**Instructions for experiment:**

! Press Space to start experiment after instructions are shown

Closed (experiment 2): Participants will learn to move their eyes in the form of a rotating triangle. (Show triangle video on screen). There are 4 tasks: they always entail the same triangle pattern but different types of eyes closed.

If there is a fixation point in the centre of the screen, paired with low tones, this means a task will soon begin

Task 1: eyes completely open. There will be 3 sounds, move your eyes on the onset of the first tone.

Task 2: eyes partly closed. There will be 3 sounds. Move your eyes on the onset of the first tone, close your eyes on the onset of the 2nd and reopen your eyes on the onset of the 3rd tone. Try to keep the fixation stable while having your eyes closed.

Task 3: While having your eyes open, perform the same pattern as in the first task, move your eyes with the first tone. But now there will be no bullseye shown anymore, so you have to remember where to look.

Task 4: While keeping your eyes closed, move your eyes on the onset of the first tone. Try to reproduce the triangle pattern of the first two tasks.

The experiment terminates on its own.

Ask if they missed anything! After each run add notes to report (sheet in PredictEye AmuBox reports\_deepmreyeclosed\_training.docx)