

EyeLink 1000 Plus

System Start-up & Setup

Start-up

1. Turn on both computers which are found under the table.
2. Once the power is on, wait for the monitors to start up.
3. Remove the lid off of the camera lens.
4. If everything is on and working, then the Display PC should have a normal Windows home screen up and the Host PC should have the EyeLink camera screen up. The camera should be showing the headrest and/or your participant's face.

If everything looks as is explained above, then you are ready to begin an experiment.

General Setup

- ★ **Host PC:** This is the monitor that faces the experimenter. From this screen, the operator performs participant setup, monitors their performance, and can communicate with applications running on a Display PC.
- ★ **Display PC:** This is the monitor that faces the participant. This screen runs experiment application software to control the EyeLink 1000 Plus eye tracker and present stimuli.
- **Host PC Screens:**
 - **File Manager Screen:** This specific screen allows the users to see how the files are organized and to copy, move, rename, download, upload, and edit files.
 - **Camera Setup Screen:** This is the central screen for most EyeLink 1000 Plus setup functions and it is the screen the monitor opens to when the computer is turned on.
 - **Offline Screen:** This screen puts the eye tracker into an idle mode.
 - **Set Options Screen:** This screen allows many EyeLink 1000 Plus tracker options to be configured manually, though the default settings should be sufficient for many tracking applications.
 - **Calibrate Screen:** Calibration is used to collect fixation samples from known target points in order to map raw eye data to either gaze position or HREF data.
 - **Validate Screen:** This screen displays target positions to the participant and measures the difference between the target position and the computed fixation position for the target based on the calibration model. Validation should only be performed after Calibration.
 - **Drift Check/Drift Correct Screen:** This screen displays a single target to the participant and then measures the difference between the computed fixation position and the current target. The purpose therefore, is to check whether the calibration model has become grossly invalidated. If the drift check fails then another calibration will be required.
 - **Record Screen:** This screen allows users to initiate and observe data collection.
- **Status Panel:** This small panel allows users to monitor the status of the camera image of the tracked eyes throughout the setup, calibration, validation, and recording phases of every experiment.
- ★ Full user manual found at <https://www.sr-support.com/showthread.php?4352-EyeLink-1000-Plus-User-Manual>