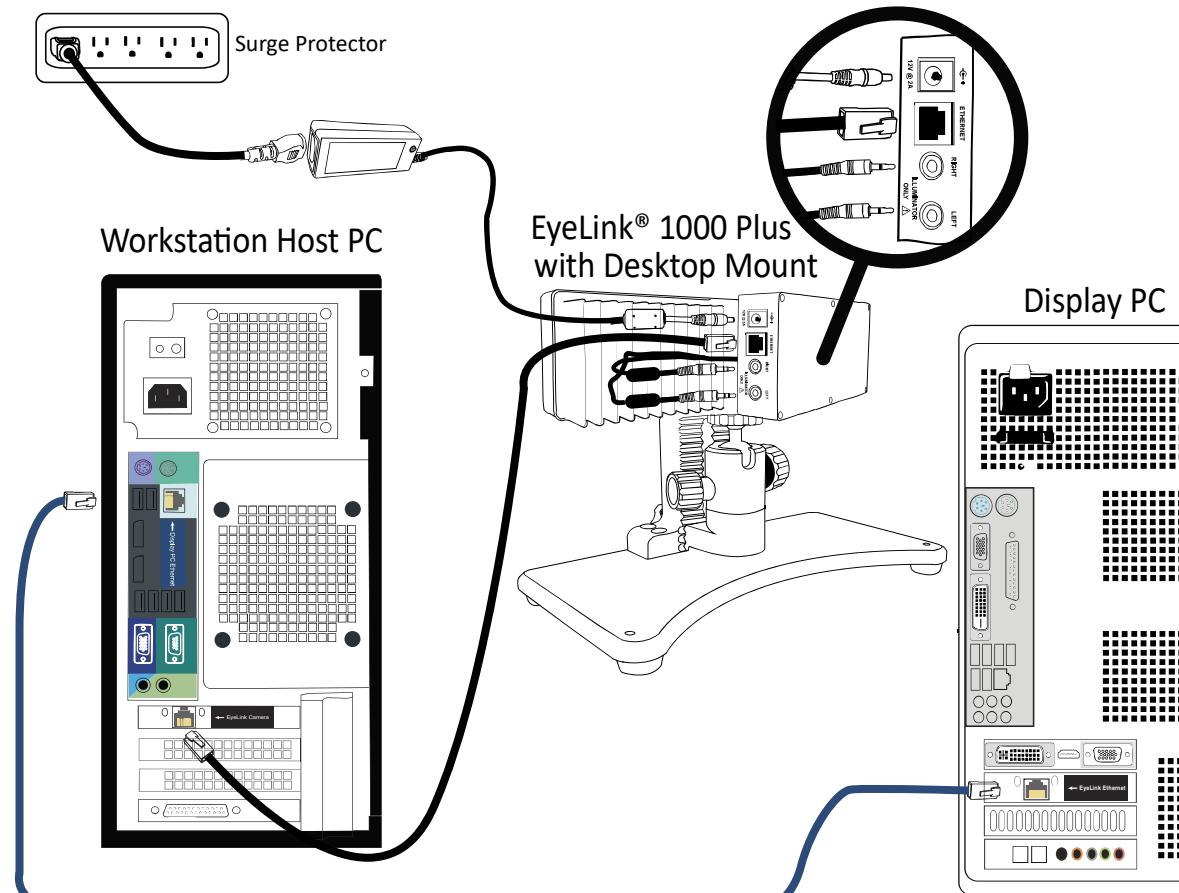


1 Basic PC Setup

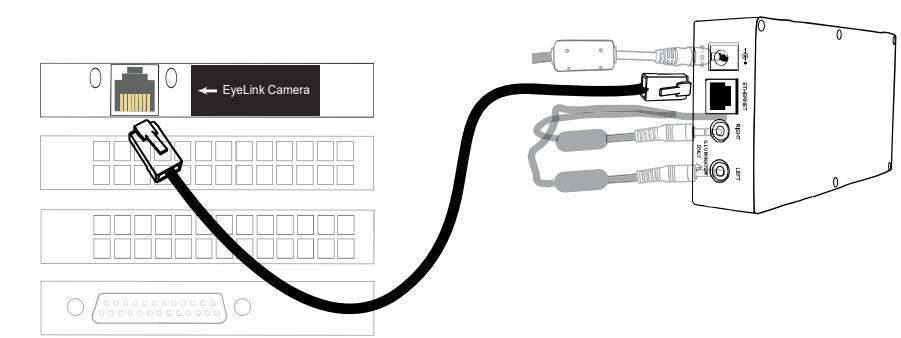
Set up your Workstation Host PC (included) and Display PC as you would any other computer by connecting the keyboard, mouse, monitor, and power cables.

The Display PC can be any modern Windows (XP, Vista, or 7), Mac OS X (10.6.8 or later), or Linux PC with Ethernet, and may have been optionally acquired from SR Research.



2 Camera Connection

Using the **black** Ethernet cable, connect the Host PC Ethernet port labeled “EyeLink Camera” to the Ethernet port on the EyeLink 1000 Plus camera.



3 Host PC to Display PC Connection

Using the **blue** Ethernet cable, connect the Host PC Ethernet port labeled “Display PC Ethernet” to an Ethernet port on your Display PC. Configure that port with the following static IP address:

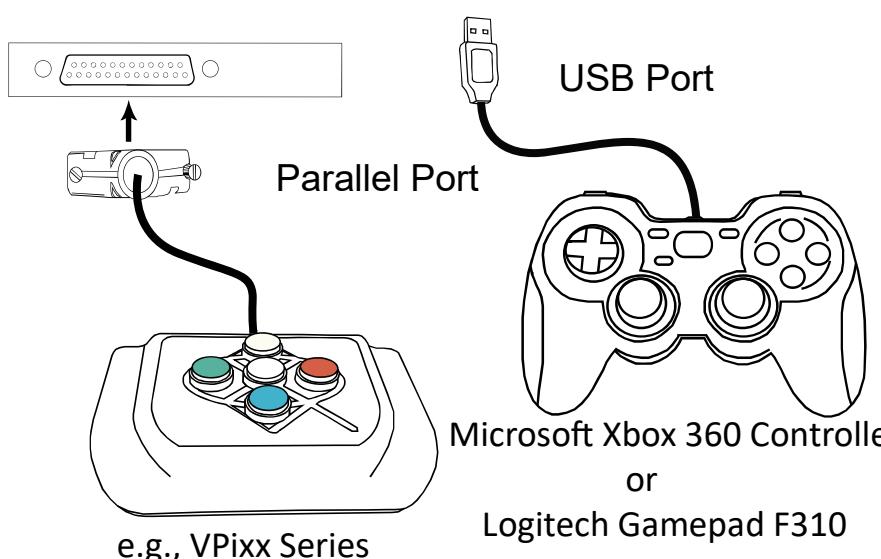
IP Address: 100.1.1.2
Subnet Mask: 255.255.255.0



See Chapter 9 of the EyeLink 1000 Plus Installation Guide for detailed instructions

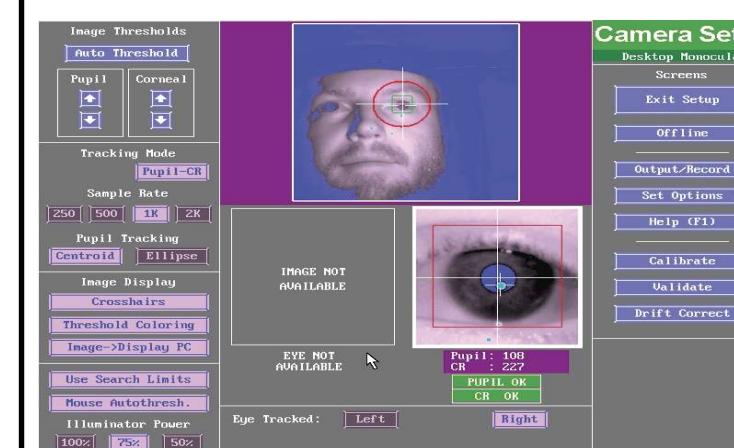
4 Optional Response Box Connection

Connect the optional response box (not included by default) to the appropriate port on the Host PC.



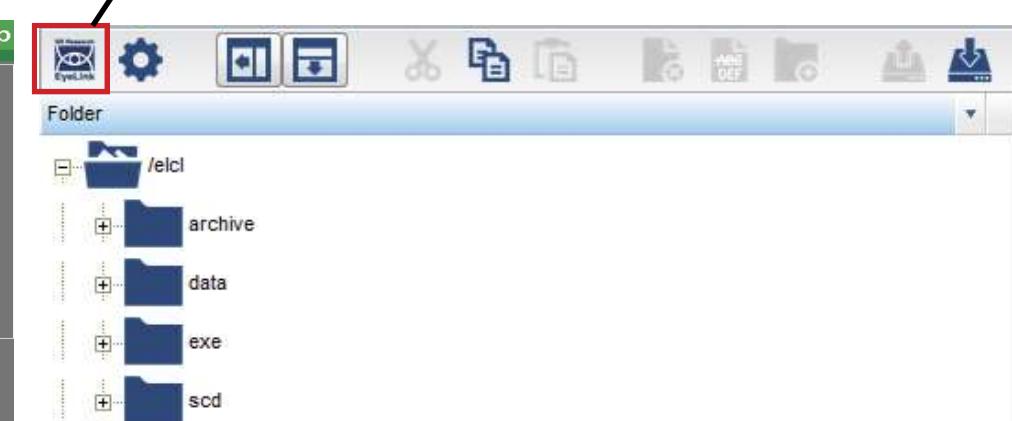
5 Test that the Setup is Working

Turn on the Host PC to verify that the Host Application starts. Once the Host PC is up and running you should see the Camera Setup screen.

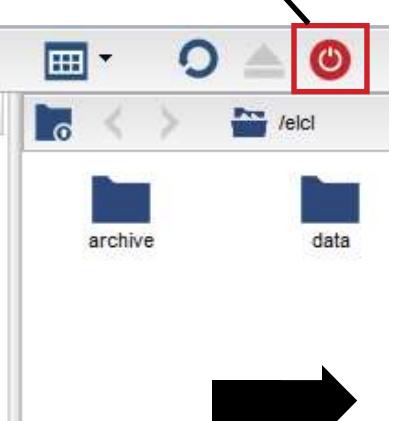


To exit to the File Manager from the Host Application, press Ctrl-Alt-Q (or click Offline and then Exit EyeLink). The File Manager interface is illustrated below. You can use the buttons highlighted below to start the Host PC Application or shut down the Host PC.

Starts Host Application

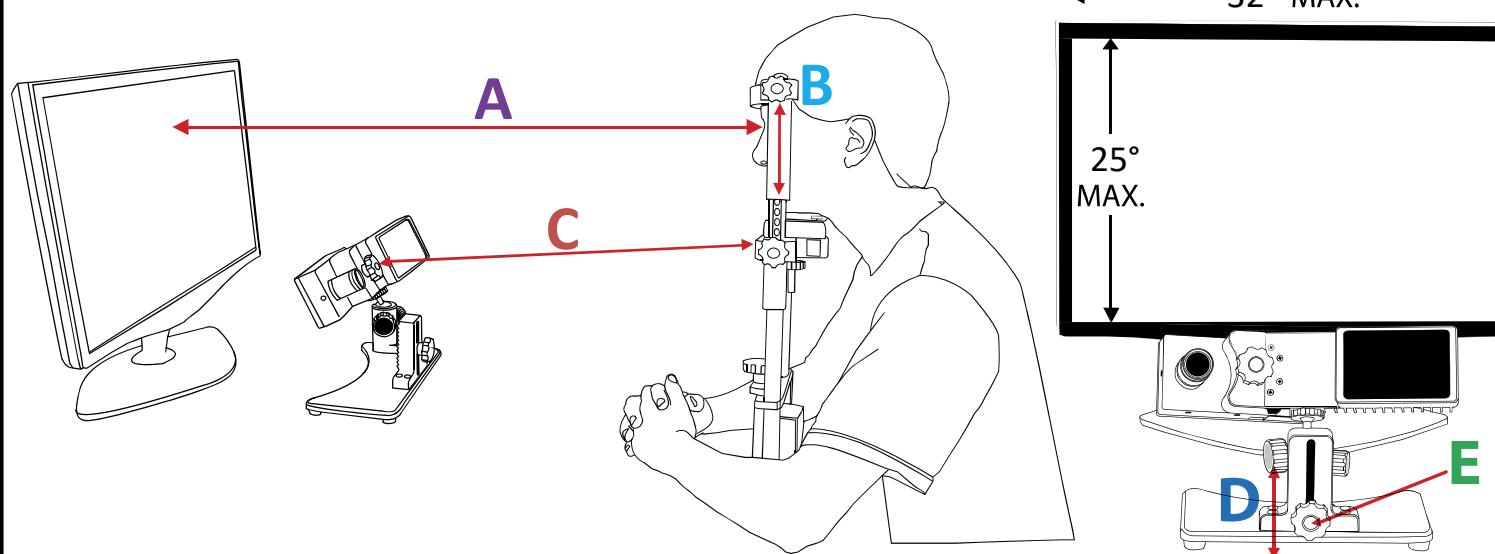


Shuts down Host PC



**Continued
on back**

6 Tracker and Participant Positioning



Step A) Position the monitor so that it subtends no more than 32 degrees of visual angle horizontally and 25 degrees of visual angle vertically for the participant. The eye-to-monitor distance should be at least 1.75 times the display width to ensure that it falls within the trackable range.

Step B) Position the participant so that the eyes align with the top quarter of the monitor – adjust the chair and/or head support to ensure this alignment.

Step C) Position the eye tracker so that the distance from the top knob on the front of the Desktop Mount to the front of the chinrest is 50-55 cm. If using Remote Mode, make sure that the reported target distance on the Host PC is around 60 cm (55-60 cm is ideal for calibration).

Step D) Adjust the height of the eye tracker so that it is as high as possible without blocking the participant's view of the display.

Step E) Position the eye tracker so that its bottom knob is centered horizontally on the front of the monitor.

See Chapter 3 of the EyeLink 1000 Plus User Manual for detailed instructions

7 Enter Screen Settings

Exit to the File Manager if the Host Application is running (press Ctrl-Alt-Q or click Offline and then Exit EyeLink).

From the File Manager, press the Configuration Button.



From the Configuration screen press the Screen Settings button.



Follow the instructions that appear to enter the Screen Dimensions, Display Resolution, Eye-to-Screen Distance, and Camera-to-Screen Distance.

See Section 8.4 of the EyeLink 1000 Plus Installation Guide for detailed instructions



For additional support, please contact SR Research:
Email: support@sr-research.com
Support forums: www.sr-support.com
Phone: 613-271-8686
Toll Free: 1-866-821-0731

8 Install Display PC Software

Display PC software installers are provided on the USB drive that came with the system or the most up-to-date installers can be downloaded from the following links:

A) Experiment Builder (Windows and Mac OS X):

<http://www.sr-research.com/eb.html>

B) Data Viewer (Windows and Mac OS X):

<http://www.sr-research.com/dv.html>

C) EyeLink Developers Kit (Windows, Mac OS X, and Linux):

<http://www.sr-research.com/devkit.html>

Experiment Builder and Data Viewer require the use of a USB HASP license key. The license key driver can be installed in Windows from “Start -> Programs -> SR Research -> Install Hasp Driver”, or in Mac OS X from the installer packages.

Run Experiment Builder to access example projects from the “File -> Examples” menu. Even more examples can be found at www.sr-support.com under “Experiment Builder -> Examples”.

The system is also compatible with E-Prime, Psychtoolbox for Matlab, Presentation, LabView, Python, C/C++, C#, and the COM interface.

After installing the EyeLink Developers Kit, example projects for other programming environments will be available in Windows under “Start -> Programs -> SR Research -> EyeLink Examples” and in Mac OS X under “Applications -> EyeLink -> SampleExperiments”.