

# Getting Started with HeadMouse Extreme

Congratulations on your purchase of HeadMouse Extreme by Origin Instruments. This page covers just some basics. For more detailed information, please refer to the HeadMouse Extreme User Manual.

The HeadMouse Extreme must be mounted with a clear view of the target dot that is placed on the forehead or glasses.

For desktop computers, the HeadMouse Extreme will usually be mounted “connectors-up” to a Dual Lock fastener that is placed at the center of the top front edge of the monitor frame. Remove a rectangular piece of low-density Dual Lock from the kit and join it to the one on the back of the HeadMouse Extreme, so that the back of the Dual Lock is face up. Now peel the backing off of the Dual Lock to expose the adhesive. Affix the HeadMouse to the monitor by gently pressing. **NOTE: DO NOT PRESS ON THE LENS OF THE HEADMOUSE EXTREME.** Optimal placement would be at the top and center of the display frame. For desktop applications, you will typically use the included six-foot right-angle USB cable.



Dual Lock Mounted on Monitor

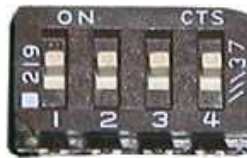
For notebook computers or augmentative communication devices, please see the mounting directions included with the bracket.

Position your computer's display on a stable base or table. Shaking or bumping the computer display and HeadMouse Extreme can make the cursor shake on your computer display.

Plug the USB cable into your computer and then plug the opposite end into the HeadMouse Extreme. Your computer should automatically recognize a new USB mouse device. The computer may take as long as a minute or two to complete this process. On some computers, you may need to click in a dialog box to indicate that no special driver is needed. Next, a red or green status light will appear on your HeadMouse Extreme. Red means the unit is ON, but is not tracking a target. Green means the unit is actively tracking a target. After the first time that you connect the HeadMouse to a specific USB port, the computer should recognize it more quickly.

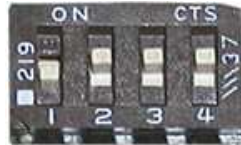
You may need to make adjustments to the mouse speed for best response. For Windows users, on the Mouse Control Panel, this is under “Pointer Options” and called “Pointer Speed”. For Mac users, this is under “System Preferences” under the Keyboard and Mouse Settings. It is important that the mouse speed be set high enough so that you can conveniently access the edges of the display on all four sides.

The DIP switches on the rear of HeadMouse Extreme should usually be set so that all switches are ON.



Default DIP Switch Settings

One common exception, though, is for Apple Macintosh computers. For these computers, set Switch 1 OFF but set the others ON. This will effectively increase mouse speed by a factor of two, which is often desirable for Apple Macintosh computers.



Typical Setting for Macintosh Users

It is best to take a few minutes to practice pointing comfortably. Just like the desktop mouse will at times need to be repositioned to maintain comfort, the pointer on the screen will need to be repositioned periodically when using the HeadMouse Extreme. This is often referred to as centering the pointer. When the pointer is in the center of the user's work area, the user is most comfortable. The pointer will need to be re-centered as the location of the work area changes. Keep in mind that you are not centering the pointer in the center of the computer screen but in the center of the user's work area. This is done basically by "pushing" the pointer against the edge of the screen opposite the side that the user is working in. It is often best understood by walking through the steps.

Have the user sit in a comfortable position and take note of where the pointer is on the screen. As an example we will say that the pointer is at the bottom of the screen. To move the pointer to the top of the screen with a minimal amount of head movement, first move it past the bottom edge of the screen, or "push" it against the bottom edge. Then have the user move his head back to the original comfortable position. The pointer will have been moved closer to the top of the screen. The same applies to all screen sides. This generally becomes second nature for the user within just a few minutes.

For clicking, you can plug most standard adaptive switches directly into HeadMouse Extreme, or you can use the optional Wireless Switch Transmitter. Alternately, you can install optional mouse button software, like Origin Instruments' Dragger, that can automatically enter the mouse click when you pause the mouse cursor for a selectable period of time.

When used with an on-screen keyboard like SofType with its built-in Dragger, all of the functions of both keyboard and mouse are accessible through HeadMouse Extreme by means of head movement alone.