NAME

wsp - Wellspring touchpad driver

SYNOPSIS

To compile this driver into the kernel, place the following lines into your kernel configuration file:

> **device wsp**
> **device hid**
> **device usb**

Alternatively, to load the driver as a module at boot time, place the following line in loader.conf(5):

> wsp_load="YES"

DESCRIPTION

The **wsp** driver provides support for the Apple Internal Trackpad device found in many Apple laptops.

The driver simulates a three-button mouse using multi-finger tap detection. A single-finger press generates a left button click. A two-finger tap maps to the right button; whereas a three-finger tap gets treated as a middle button click.

wsp supports dynamic reconfiguration using sysctl(8) through nodes under **hw.usb.wsp**. Pointer sensitivity can be controlled using the sysctl tunable **hw.usb.wsp.scale_factor**. Tap to left-click can be controlled using the sysctl tunable **hw.usb.wsp.enable_single_tap_clicks**, set to 0 to disable single tap clicks or 1 to enable them (default). Z-Axis sensitivity can be controlled using the sysctl tunable **hw.usb.wsp.z_factor**. Z-Axis inversion can be controlled using the sysctl tunable **hw.usb.wsp.z_invert**, set to 0 to disable (default) or 1 to enable inversion.

FILES

wsp creates a blocking pseudo-device file, */dev/wsp0*, which presents the mouse as a *sysmouse* or *mousesystems* type device--see moused(8) for an explanation of these mouse types.

SEE ALSO

sysmouse(4), usb(4), loader.conf(5), xorg.conf(5) (*ports/x11/xorg*), moused(8), sysctl(8)

AUTHORS

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