

Re: USB keyboard problem

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Something I forgot to add...

The keyboard_t struct kbd is passed to the ukbd_interrupt function. Within this struct, there is a ukbd_state struct that includes ks_ndata and ks_odata (new and current data?). Which part of the system actually fills in the ks_ndata struct? Is this filled in externally to the ukbd driver? Such as the usb hid driver?

What I am getting at is my problem may not be within the ukbd driver but within the mechanism that fills in ks_ndata. If this is the case, I should be looking at that piece of code rather than the ukbd driver.

Sam.

----- Original Message Follows -----

Heya,

I have a usb keyboard (Genius slimstar pro) and am having the same problems as others are experiencing. When the kb is first loaded, the two modifiers ctrl and shift are "stuck" on. This results in keys like d exiting your terminal. If you hit ctrl and shift on another kb (I have an at kb hooked up as well) it resets these modifiers. Once this has been done, a majority of the keys (a-z, 1-0 etc...) work as they should. None of the modifier keys work though.

After digging through and playing with the ukbd code, I have found that when you hit any of the modifier keys, it sends the two keycodes 0xe0 and 0xe1 as pressed keys to ukbd_interrupt() and sends nothing when you release the key.

I have tested this keyboard in OpenBSD, Linux and Windows all with success. I have also tried this without the kbdmux and get the same results.

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Any help or insight into this problem would really be appreciated as I'm quite stuck on where to go to from here.

Cheers,

Sam.

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