

Re: i8042 problem

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-07/1708.html>

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To: aebr@win.tue.nl

```
> > drivers/input/serio/i8042.c: 00 -> i8042 (kbd-data) [40]
> > drivers/input/serio/i8042.c: 60 -> i8042 (command) [50]
> > drivers/input/serio/i8042.c: 44 -> i8042 (parameter) [50]
> > drivers/input/serio/i8042.c: fa <- i8042 (interrupt, kbd, 1) [51]
> > serio: i8042 KBD port at 0x60,0x64 irq 1
> > <----- This is it, keyboard is dead.
>
>
> Writing 44 to the command byte disables IRQ1.
```

It looks like a timeout problem. The ack (fa) arrived 11 ticks after the byte (00) was sent, but it looks like the timeout is only 10 ticks.

Try playing with the timeout in `atkbd_sendbyte` (line 217 of `drivers/input/keyboard/atkbd.c`).

```
> > drivers/input/serio/i8042.c: 41 <- i8042 (interrupt, kbd, 1) [109900]
> > drivers/input/serio/i8042.c: 41 <- i8042 (interrupt, kbd, 1) [109921]
> > atkbd.c: Unknown key (set 0, scancode 0x2, on isa0060/serio0) pressed.
> > input: AT Set 2 keyboard on isa0060/serio0
> > <----- Now we are talking!
>
>
> Funny. Looks like the "read scancode set" command got the scancode set
> twice, and the second time was seen as unknown key.
```

Both keyboards responded to the command, perhaps???

I'd suggest that we don't even ask the keyboard what scancode set it is using if we are attempting to use set 2.

Chris

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