

## Re: ehci driver disables USB support on boot time

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2003-12/2060.html>

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**From:** Doug White ([dwhite\\_at\\_gumbysoft.com](mailto:dwhite_at_gumbysoft.com))

**Date:** 12/30/03

Date: Mon, 29 Dec 2003 20:55:10 -0800 (PST)

To: FUJIMOTO Kou <[fujimoto@j.dendai.ac.jp](mailto:fujimoto@j.dendai.ac.jp)>

On Fri, 26 Dec 2003, FUJIMOTO Kou wrote:

- > *Enabling "device ehci" on 5.2-RC kernel config and rebooting,*
- > *both uhci and ehci devices are recognized as below.*
- > *On the next boot time, however, LEDs on HUBs don't light*
- > *and keyboard don't work until kernel loads USB drivers.*
- > *After USB controllers are recognized by kernel, LEDs are on and*
- > *keyboard/mouse work properly.*
- >
- > *It looks like that BIOS USB support is disabled, but it is*
- > *actually enabled on BIOS setup menu.*

If it works on a cold boot OK, then its a bug in your BIOS --- if it wants to use the USB ports then it needs to take the necessary steps to reset the chips in the warm boot case. It shouldn't be assuming they will be in the power-on state after a CPU reset. Or its a bug in the chips not resetting properly. Or something :)

Legacy USB keyboard support has always been flakey. I have yet to find a motherboard whos implementation of this feature actually works the majority of the time. Rather disappointing since I'd like to switch over to USB fully.

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