

DragonFlyBSD - Bug #846

USB bugs:usb mouse can't used!

11/21/2007 05:43 PM - frankning

Status:	Feedback	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Driver	Estimated time:	0.00 hour
Target version:	Unverifiable		
Description			
<p>I had use DFB 1.8.0,then my usb mouse can use.When I update to 1.10 and new version, the usb mouse cant't use.Someone can help me? Thanks!</p> <p>Following is my dmesg:</p> <pre>Copyright (c) 2003, 2004, 2005, 2006, 2007 The DragonFly Project. Copyright (c) 1992-2003 The FreeBSD Project. Copyright (c) 1979, 1980, 1983, 1986, 1988, 1989, 1991, 1992, 1993, 1994 The Regents of the University of California. All rights reserved. DragonFly 1.11.0-DEVELOPMENT #2: Tue Nov 13 00:12:24 CST 2007 frank@:/usr/obj/usr/src/sys/NETONE TSC clock: 1666701140 Hz, i8254 clock: 1193164 Hz CPU: Intel(R) Core(TM)2 CPU T5500 @ 1.66GHz (1666.74-MHz 686-class CPU) Origin = "GenuineIntel" Id = 0x6f6 Stepping = 6 Features=0xbfebfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMO V,PAT,PSE36,CLFLUSH,DTS,ACPI,MMX,FXSR,SSE,SSE2,SS,HTT,TM,PBE> Features2=0xe39d<SSE3,RSVD2,MON,DS_CPL,EST,TM2,SSSE3,CX16,XTPR,RSVD15> Hyperthreading: 2 logical CPUs real memory = 937951232 (915968K bytes) avail memory = 899067904 (877996K bytes) APIC_IO: MP table broken: ExtINT entry corrupt! APIC_IO: MP table broken: IRQ 15 not ISA when IRQ 14 is! Programming 24 pins in IOAPIC #0 DragonFly/MP: Multiprocessor motherboard cpu0 (BSP): apic id: 0, version: 0x00050014, at 0xfe00000 cpu1 (AP): apic id: 1, version: 0x00050014, at 0xfe00000 io0 (APIC): apic id: 2, version: 0x00178021, at 0xfec00000 APIC_IO: routing 8254 via 8259 and IOAPIC #0 intpin 0 SMP: AP CPU #1 Launched! objcache(exec-args): too small for ncpus, adjusting cluster_limit 16->32 Preloaded elf kernel "/kernel" at 0xc078e000. Preloaded elf module "/modules/acpi.ko" at 0xc078e2b0. Pentium Pro MTRR support enabled md0: Malloc disk pcibios: BIOS version 2.10 Using \$PIR table, 19 entries at 0xc00fde90 ACPI: RSDP @ 0x0xf74f0/0x0014 (v 0 PTLTD) ACPI: RSDT @ 0x0x37e8ec8c/0x0034 (v 1 HPQOEM SLIC-MPC 0x06040000 LTP 0x00000000) ACPI: FACP @ 0x0x37e95ef2/0x0074 (v 1 ATI Bonefish 0x06040000 ATI 0x000F4240) ACPI: DSDT @ 0x0x37e8f69b/0x6857 (v 1 ATI SB450 0x06040000 MSFT 0x03000000) ACPI: FACS @ 0x0x37e96fc0/0x0040 ACPI: APIC @ 0x0x37e95f66/0x005E (v 1 PTLTD APIC 0x06040000 LTP 0x00000000) ACPI: MCFG @ 0x0x37e95fc4/0x003C (v 1 PTLTD MCFG 0x06040000 LTP 0x00000000) ACPI: SSDT @ 0x0x37e8ecc0/0x0535 (v 1 PmRef CpuPm 0x00003000 INTL 0x20050228) npx0: <math processor> on motherboard</pre>			

npix0: INT 16 interface
Using XMM optimized bcopy/copyin/copyout
acpi0: <HPQOEM SLIC-MPC> on motherboard
acpi0: Power Button (fixed)
Warning: ACPI is disabling APM's device. You can't run both
acpi_ec0: <Embedded Controller: GPE 0x10> port 0x66,0x62 on acpi0
acpi_timer0: <32-bit timer at 3.579545MHz> port 0x8008-0x800b on acpi0
cpu0: <ACPI CPU> on acpi0
cpu1: <ACPI CPU> on acpi0
cpu1: Failed to attach throttling P_CNT
acpi_tz0: <Thermal Zone> on acpi0
acpi_acad0: <AC Adapter> on acpi0
acpi_cmbat0: <Control Method Battery> on acpi0
acpi_button0: <Power Button> on acpi0
acpi_lid0: <Control Method Lid Switch> on acpi0
acpi_button1: <Sleep Button> on acpi0
atkbd0: <Keyboard controller (i8042)> port 0x64,0x60 irq 1 on acpi0
atkbd0: <AT Keyboard> flags 0x1 irq 1 on atkbd0
kbd0 at atkbd0
acpi_cpu: throttling enabled, 8 steps (100% to 12.5%), currently 100.0%
Warning: ACPI idle hook not yet supported for SMP
psm0: <PS/2 Mouse> irq 12 on atkbd0
psm0: model IntelliMouse, device ID 3
legacypci0 on motherboard
pcib0: <Host to PCI bridge> on legacypci0
pci0: <PCI bus> on pcib0
pcib1: <PCI to PCI bridge (vendor=1002 device=5a3f)> at device 1.0 on pci0
pci1: <PCI bus> on pcib1
pci1: <ATI model 5a62 graphics accelerator> at 5.0 irq 10
pcib2: <PCI to PCI bridge (vendor=1002 device=5a36)> at device 4.0 on pci0
pci2: <PCI bus> on pcib2
pci2: <unknown card> (vendor=0x14e4, dev=0x4312) at 0.0 irq 10
pcib3: <PCI to PCI bridge (vendor=1002 device=5a37)> at device 5.0 on pci0
pci5: <PCI bus> on pcib3
atapci0: <ATI IXP400 SATA150 controller> port 0x8400-0x840f,0x8410-0x8413,0x8420-0x8427,0x8430-0x8433,0x8440-0x8447 irq 2 at device 18.0 on pci0
ata2: <ATA channel 0> on atapci0
ad4: 95396MB <FUJITSU MHV2100BH PL 00000029> at ata2-master SATA150
ata3: <ATA channel 1> on atapci0
ohci0: <ATI SB400 USB Controller> mem 0xc0504000-0xc0504fff irq 5 at device 19.0 on pci0
usb0: OHCI version 1.0, legacy support
usb0: <ATI SB400 USB Controller> on ohci0
usb0: USB revision 1.0
uhub0: <ATI OHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb0
uhub0: 4 ports with 4 removable, self powered
ohci1: <ATI SB400 USB Controller> mem 0xc0505000-0xc0505fff irq 5 at device 19.1 on pci0
usb1: OHCI version 1.0, legacy support
usb1: <ATI SB400 USB Controller> on ohci1
usb1: USB revision 1.0
uhub1: <ATI OHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb1
uhub1: 4 ports with 4 removable, self powered
pci0: <USB controller> at 19.2 irq 5
pci0: <unknown card> (vendor=0x1002, dev=0x4372) at 20.0
atapci1: <ATI IXP400 UDMA133 controller> port 0x8460-0x846f,0x376,0x170-0x177,0x3f6,0x1f0-0x1f7 irq 9 at device 20.1 on pci0
ata0: <ATA channel 0> on atapci1
acd0: DVDR <TSSTcorpCD/DVDW TS-L632D/GAH1> at ata0-master UDMA33
ata1: <ATA channel 1> on atapci1
pci0: <unknown card> (vendor=0x1002, dev=0x437b) at 20.2 irq 9
isab0: <PCI to ISA bridge (vendor=1002 device=4377)> at device 20.3 on pci0
isa0: <ISA bus> on isab0
pcib4: <PCI to PCI bridge (vendor=1002 device=4371)> at device 20.4 on pci0
pci8: <PCI bus> on pcib4
fwohci0: vendor=1180, dev=832
fwohci0: <1394 Open Host Controller Interface> mem 0xc0200000-0xc02007ff irq 2

at device 7.0 on pci8
fwohci0: OHCI version 1.0 (ROM=1)
fwohci0: No. of Isochronous channel is 4.
fwohci0: EUI64 00:60:b0:00:00:1e:fe:b6
fwohci0: Phy 1394a available S400, 1 ports.
fwohci0: Link S400, max_rec 2048 bytes.
firewire0: <IEEE1394(FireWire) bus> on fwohci0
fwe0: <Ethernet over FireWire> on firewire0
fwe0: MAC address: 02:60:b0:1e:fe:b6
sbp0: <SBP-2/SCSI over FireWire> on firewire0
fwohci0: Initiate bus reset
fwohci0: node_id=0xc800ffc0, gen=1, CYCLEMASTER mode
firewire0: 1 nodes, maxhop <= 0, cable IRM = 0 (me)
firewire0: bus manager 0 (me)
pci8: <unknown card> (vendor=0x1180, dev=0x0822) at 7.1 irq 10
pci8: <unknown card> (vendor=0x1180, dev=0x0843) at 7.2 irq 10
pci8: <unknown card> (vendor=0x1180, dev=0x0592) at 7.3 irq 10
r10: <RealTek 8139 10/100BaseTX> port 0xa000-0xa0ff mem 0xc0201400-0xc02014ff
irq 11 at device 8.0 on pci8
miibus0: <MII bus> on r10
r1phy0: <RealTek internal media interface> on miibus0
r1phy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, auto
r10: MAC address: 00:19:bb:00:95:5d
orm0: <Option ROMs> at iomem 0xc0000-0xc0fff,0xc0000-0xc0fff,0xdf000-0xdffff on isa0
pmtimer0 on isa0
fdc0: ready for input in output
fdc0: cmd 3 failed at out byte 1 of 3
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
sio0: can't drain, serial port might not exist, disabling
sio1: can't drain, serial port might not exist, disabling
ppc0: parallel port not found.
Mounting root from ufs:/dev/ad4s1a
cd0 at ata2 bus 0 target 0 lun 0
cd0: <TSSSTcorp CD/DVDW TS-L632D GAH1> Removable CD-ROM SCSI-0 device
cd0: 33.000MB/s transfers
cd0: Attempt to query device size failed: NOT READY, Medium not present - tray closed
cpu0: Performance states changed
cpu0: Cx states changed

History

#1 - 11/21/2007 09:24 PM - wa1ter

On Wed, 21 Nov 2007, frankning wrote:

Does your kernel have support for ums (USB mice)? If not, try doing '#kldload ums' and see if that helps.

I think I read that disabling legacy USB support in your BIOS may fix strange problems -- sometimes.

Are you trying to use the mouse in X, or at a console, or both?
Are you running moused?

#2 - 11/22/2007 01:14 AM - frankning

Yes, the kernel is support ums. the kernel config is GENERIC, and I open the SMP and ACPI_IO, but dmesg not find ums0, and I use the mouse in X.

There is some idea? Thanks.

#3 - 11/22/2007 02:39 AM - wa1ter

I would try "kldload ums" and see what happens. If the kernel really does support ums then you should see a "file exists" error. If you see no error, then try "kldstat" and tell us what you see.

Also, can you turn 'legacy USB support' OFF in your BIOS settings?

#4 - 11/22/2007 03:06 PM - frankning

Following is the comand and output:

```
root@ /root
# kldload ums
kldload: can't load ums: File exists
Exit 1
```

```
root@ /root
# usbdevs -dv
Controller /dev/usb0:
addr 1: full speed, self powered, config 1, OHCI root hub(0x0000), ATI(0x0000),
rev 1.00
uhub0
port 1 powered
port 2 powered
port 3 powered
port 4 powered
Controller /dev/usb1:
addr 1: full speed, self powered, config 1, OHCI root hub(0x0000), ATI(0x0000),
rev 1.00
uhub1
port 1 powered
port 2 powered
port 3 powered
port 4 powered
```

And I had use FreeBSD 6.0 on it, usb mouse and U disk is OK, But DFBSD is not!
There is any idea? Thanks.

#5 - 11/22/2007 06:18 PM - wa1ter

Okay, usb mouse support really is in your kernel.

```
> usb0: OHCI version 1.0, legacy support <----- look!
```

Did you check your BIOS for USB legacy support? Try turning it OFF:

<http://www.intel.com/support/peripherals/sb/cs-011939.htm>

#6 - 11/26/2007 02:08 AM - frankning

Hi, I can't find 'legacy USB support' in my BIOS setting, but it's why usb mouse can used in DFB 1.8.0 and FreeBSD 6.x?

Thanks.

#7 - 11/26/2007 02:23 AM - wa1ter

I don't know, but I was hoping it would work. Do any usb devices work properly on that machine? If you plug or unplug *any* usb device do you see messages appear on the console or in syslog?

#8 - 11/27/2007 03:05 AM - frankning

I had test usb with udisk, but unfortunately there is no any change in console and syslog! I think the driver is Incorrect?

Thanks!

#9 - 11/30/2007 11:05 PM - floid

A shot in the dark, but what happens if the ehci module is loaded, or removed from the configuration if it is?

Since I know nothing and haven't looked at the source, allow me some useless speculation:

The IXP400 has a reputation for "slow" USB (2.0, EHCI) performance among Windows users, but I'm not sure what the cause is. It could have a quirk that DF just banged into somehow. Did anything change in the way PCI devices in general are accessed, say?

Meanwhile, I have IXP400 boxes at the office (HP Compaq "SR1611NX"s) and can try to repeat this with a livecd next week.

#10 - 08/24/2009 09:13 AM - tuxillo

As far as I know, there were some USB HID work on -devel.
Can you please try this now?

#11 - 01/15/2015 08:36 AM - tuxillo

- *Description updated*
- *Category set to Driver*
- *Status changed from New to Feedback*
- *Assignee deleted (0)*
- *Target version set to Unverifiable*

Hi,

Moving it to unverifiable.
Feel free to update if you can test it again.

Cheers,
Antonio Huete