



USB2.0 Host Controller Driver Release Note

Revision 1.0 14/Mar/2003

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1. Release file name

Zip file name: usb2drv.ZIP

The following files are included in this ZIP file.

NEHCD .INF	4,281	03-03-03	9:31
NEHCD .SYS	45,104	03-03-03	9:29
NUSB .SYS	41,440	03-03-03	9:29
NUSBH .SYS	35,440	03-03-03	9:29
NUSBCP.SYS	23,376	03-03-03	9:29

2. Required Environment

1) Operating System

Windows 98 Second Edition/Windows Millennium

Note: Do not use this driver on Windows® 2000 and Windows® XP, and use Microsoft® driver on these operating systems

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2) Hardware Environment

NEC USB2.0 Host Controller (uPD720100A/uPD720101) is on motherboard or on PCI card. This driver will not guarantee on PC card.

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3. Features

- 1) Supports USB2.0 high-speed function
- 2) Supports USB2.0 HUB transaction ^{Note1}
- 3) Supports Suspend/Hibernation ^{Note2}
- 4) Supports high-speed isochronous transfer ^{Note3}
- 5) Supports Remote Wake-up from USB device

Note1: Only evaluated with NEC USB2.0 Hub Controller.

Note2: Make sure USB device supports suspend/hibernation.

Note3: Only evaluated with Crescentec CCD camera DC-1100.

4. Restriction

- 1) When USB device under cascaded hub is unstable or does not work properly, connects USB device to upper ports near to PC.
- 2) System may become unstable when USB device is unplugged during operation. Do not unplug USB device while it is operating.
- 3) There is a case when USB device does not work properly after resuming from suspend or hibernation. In case, unplug and plug USB device again.
- 4) In repeating unplug/plug USB device, make 3 seconds or more interval.
- 5) Do not unplug or plug USB device under following conditions.
 - a) during suspend or going to suspend
 - b) during resuming from suspend
 - c) during hibernation or going to hibernation
 - d) during resuming from hibernation
- 6) Do not disable/enable or uninstall/install "NEC PCI to USB Enhanced Host Controller" from device manager or with any other method. "NEC PCI to USB Enhanced Host Controller" may become unavailable.
- 7) This driver does not support over-current detection.
- 8) When several isochronous devices plugged onto the 2.0hub ports, there is a case they cannot get enough bandwidth. In such case connect one isochronous device directly on host port.

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5. Evaluated device

The following peripheral devices are used to test this driver. These devices are not guaranteed to operate successfully under any environment with this driver.

High-speed device

IODATA HDP-i30/US2 (HDD)
IODATA HDP-U40P
Melco DUB2-40G (HDD)
YAMAHA CRW2200UX-VK (CDRW)
EPSON GT-9700F (Scanner)
Canon D1250U2 (Scanner)
Adapetc XHUB4 PULS (Hub)

Full-speed device

Onkyo GX-R5U (speaker)
Plantronics DSP-500 Headset(speaker)
Intel Camera CS330
Logitech QuickCam Express
NEC USB-Clik! PK-CL101S
NEC PK-UP009 (FD Unit)
Iomega Z100USB (Zip)
IBM CD-210PU (CD-ROM)
Princeton PRD-CF (Cardreader CF)
Princeton PRD-SM (Cardreader SM)
System Talks USB-HD43P (HDD)
Melco DPN-6GUSB (HDD)
NEC PK-ST002 (CD-R/W)
TREK TrumbDrive 16M
Melco MOU-640RH(MO)
Canon N656U (scanner)
HP Photo Smart P1100(Printer)
Canon BJ F210 (Printer)
Prolific BT Host link USB cable (link cable)
COREGA CG-FEUSBTX (100 Base-TX/10 Base-T)
Melco LUA-TX (100 Base-TX/10 Base-T)
IODATA USBMHB4 (Hub)

Low-speed device

NEC PK-GP201 (Play Stick)
Sanwa JY-P33 (Game pad)
Microsoft Wheel Mouse Optical
NEC PK-KB027(Cypress mouse)

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6. How to install

This chapter shows how to install USB2.0 Driver on Windows 98 Second Edition.

- 1) In using USB2.0 PCI card, plug in PCI card on PCI slot on your system.
- 2) Start windows and the following message will appear. Click "Next".



- 3) Select "Search for the best driver for your device[Recommended]" and click "Next".



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- 4) Select "Specify a location" and type correct directory where the Host controller driver locates. Click "Next".

This is the example the driver locates on "A:\USB2DRV".



- 5) System will start to search the driver. The following message will appear when the driver is located correctly on the specified directory on 4).



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6) If the following message appears, the installation has completed.



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