

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

DVD RW drive will not read DVD+RW discs.

Source:

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.hardware/2004-11/0068.html>

From: Bartek Rudy (*brudy123_at_o2.pl*)

Date: 11/05/04

Date: Fri, 5 Nov 2004 19:17:34 +0100

Subject: DVD RW drive will not read DVD+RW discs.

I'll first try to specify exactly what kind of hardware I have and then I'll describe all actions that I have undertaken prior to writing this post.

My PC specs are as follows:

AMD Athlon 2500 XP+ Barton

Gigabyte K7Triton Series GA-7VT600 1394 VIA KT600 Motherboard

768 MB DDR PC-400 KingMax CL 2.5 RAM (512 and 256 sticks)

Leadtek Winfast A360-TDH256 nVidia GF FX 5700 256 MB DUAL

LG Flatron 900B

VT8237 RAID0 (64 KB cluster) with two Maxtor DiamondMax 9 Plus 120 GB (228 GB useable total) 7200 RPM SATA-150 / NTFSx1 partition (boot)

Sound Blaster Live! 1024 Player (The Original Series) & Dolby Surround 4.1

Cambridge SoundWorks

PixelView PV-BT878P+ w/fm (TV/FM tuner)

PrimaxColorado P600 scanner, Epson Stylus Color 685 printer, A4Tech and

MT-138 mouse and keyboard

350 W Enlight PSU

Onboard LAN, FDD, all ATA and SATA channels and RAID functions are enabled (all IDE functions enabled or set to auto).

All drives connected through 80 cord (66-133UATA) or SATA cables.

Operating system installed:

Windows 2000 Professional Service Pack 4 with ALL (including DX 9.0c, etc.) additional patches (Microsoft Update) except for "Journal Viewer".

nVidia ForceWare 56.72 drivers for graphics adapter (monitor *.inf file also installed)

VIA 4in1 4.53 drivers + all additional drivers for in-built features of the MOBO downloaded from www.giga-byte.com (latest versions)

Latest BIOS version (7) downloaded from www.giga-byte.com .

Latest CreativeLabs SB Live! drivers.

iuLabs drivers for the tuner:

- bt848 tweaked Philips WDM TvTuner C2 (PAL D/SECAM D),

- bt848 tweaked TV WDM Crossbar,

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

- PixelView Play TV PACK VideoCapture,
- Tekram M205 pro - Audio Capture.

Latest drivers for scanner, printer and keyb&mouse are also present.

Outpost Firewall and NortonAntivirus present.

Everything working perfectly in concert, no freezes, no blue screens. System is fully capable of running stable for 30 days or more without any problems.

Recently (two weeks ago) I've decided to replace my TEAC W58E CD-R/RW drive with a LiteOn DVD R/RW +/- SOHW1633S drive.

http://www.liteon.com/prod/getProduct.do?cid=1_7_6&xml_id=4_2&menu_id=4_2_7

(<now I'll try to describe step by step what I did; how I discovered the problem and what I already tried to get rid of the problem>)

I've mounted it in a separate 5,25 inch bay and connected it as SecondarySlave using a spare power cable and 80 cord ATA cable.

Computer detected the new drive without any problems running it at 66UDMA/UATA.

Windows detected the new drive without any problems. It's described as "LITE-ON DVDRW SOHW-1633S" in the Hardware Manager.

I started using it primarily as a CD-ROM drive, but after a week or so of usage I finally decided that I need DVD capacity to transfer some files.

I've bought two Verbatim DataLifePlus 4x Certified DVD+RW 4,7GB SERL disc and decided to write some files on those discs.

I used Nero Burning ROM 6.3.1.25 to burn a DVD-ISO compilation (all settings default, except for changing compilation to "no multisession") of approx. 4300 MB.

I was in a hurry, so I only recorded one disc and I did not check if it recorded correctly. I took this disc to a friend and this disc was read 100% correctly under Windows XP Pro and in a DVD-ROM drive.

I've returned home to record the second disc. I used same program with same settings, compilation again approx. 4300 MB, but this time I've ticked the "verify data after writing" box. Data verification failed.

I've reinserted the disc. Windows Explorer did not recognize the disc (empty). Nero also reported the disc to be empty. I've erased the disc and re-recorded the compilation. Again, both Explorer and Nero reported disc as empty. I decided to erase the disc completely (instead of just "quick-erase") and re-recorded the compilation. Again, disc empty.

I've took this "empty" disc to my friend's computer (the same as with the previous disc) and the disc appeared to be accessible. 100% of data could be copied.

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

I've returned with both disc home and both appeared as empty. I took both of them to a second friend of mine and both discs were accessible (Windows 2000 Pro SP4, COMBO DVD-ROM/CD-R/RW Toshiba).

I've checked ATA cable for possible signs of any damage and replaced it with a new one, just to make sure. It didn't help. I even tried changing the drive's position on the cable (against 80 cord cable's specifications), but it did not help.

I came to a conclusion that either my drive was faulty or both discs were faulty somehow. I bought another DVD RW, this time a different brand and system. Vakoss DVD-RW 2x compatible 4,7GB.

I've recorded some test compilation on it, but recording ended with an error message. Later disc was reported as empty but with 0 MB capacity (DVD+RW's were reported empty but with full available capacity). I tried to erase it, but the process ended with an error.

At that point I was sure that the drive was faulty but before taking it to the shop I've decided to try one thing more. I've unmounted the drive and I installed it in my second PC.

My second PC's specs:

AMD Athlon XP 1800

Microstar Industries MS-6330 K7T Turbo RAID VIA KT133a Motherboard

768 MB SDR PC-133 CL2.5 RAM

Leadtek Winfast nVidia GF 2 MX-400 64 MB MAX

Hyundai 17"

Built in RAID with one Diamond Maxtor 60 GB 7200 RPM UATA-100 / NTFSx1 partition

300 W Codegen PSU

Operating system installed:

Windows XP Pro with SP1 with some additional patches.

VIA 4in1 4.51 + some additional drivers for in-built features.

Original BIOS.

In the other PC both DVD+RW's were accessible and 100% of the data from both discs could be copied.

Naturally I came to a conclusion that it was not the drive or disc that were faulty, but that there was something wrong with my Windows 2000 Pro installation.

On my PC I've uninstalled the drive in Hardware Manager and then deleted all entries in the registry, that were related to this drive (search string "lite" and second search by search string "SOHW"; naturally I did not erase all "lite" findings, only those related to the drive). After restarting, the drive was immediately detected and installed. Unfortunately discs were still reported as empty.

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

After doing some "googling" I've found this solution on the Internet (and also many more, but this one was the closest match):

<http://www.google.pl/groups?hl=pl&lr=&threadm=2d3b01c48ea8%24944e8400%24a301280a%40phx.gbl&rnum=7&>

This however did not help either. I've tried files from "no sp" installation, SP2 and SP4 and also files from clean XP and XP with SP2 installation. None of this remedied the situation. Finally I upgraded my MOBO's BIOS from version "6" to version "7" (with clear DMI and PnP data pools option enabled). This did not help either.

Each time I changed the files I was checking if the disc was readable, then erasing it and recording. In Nero disc was always reported as empty. In Explorer it was either "empty", "incorrect function" or even "disc not formatted". Each time disc were perfectly readable in the other PC (each time I took the drive and tested those disc in the other PC).

Finally I decided that there must be something terribly wrong with my Windows so I decided to check if the problem persists under a fresh installation.

I installed a:

Maxtor DiamondMax 9 Plus 80 GB 7200 RPM UATA-100 / NTFSx1 partition

spare drive in my PC and installed Windows 2000 Pro on it.

Again, discs were reported as empty. I added VIA 4in1 4.53 and RAID driver. Still reported as empty. I installed Nero. Still reported as empty. (each time system was restarted). I've erased the discs and re-recorded them. Still empty.

Finally I patched the Windows with SP4, but this did not help either. I've erased the disc and re-recorded them. Empty.

Next I formatted the drive and installed Windows XP Pro on it. There was a DVD-R icon in the Explorer. Still, discs were reported as empty. The icon changed to CD. I've added VIA 4in1 4.53 and RAID driver. Still empty and the icon kept changing from DVD-R to CD. A auto-run window kept appearing saying that the disc in drive is a CD (not DVD) and that it is empty.

I tried installing SP1. Same thing all over again. I tried installing SP2. Discs still empty. (each and every time I've tried erasing them and re-recording, whole process went 100% ok, but after recording each time disc were reported as empty).

I tried doing exactly what was suggested here:

<http://www.google.pl/groups?hl=pl&lr=&threadm=2d3b01c48ea8%24944e8400%24a301280a%40phx.gbl&rnum=7&>

thinking that perhaps it would work for XP, although it didn't work for 2000.

It didn't work.

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Each and every time I was also checking discs on the other PC and each and every time discs were accessible.

I tried erasing the disc on the other PC and recording it there (same drive, ALL THE TIME!. Everything went fine, disc was accessible. I transferred drive and disc to my PC (with Windows 2000 SP4 present at that time on the spare drive). Supprisingly, disc was accessible after first boot. After restarting ... it was again unaccessible!!

All CD-ROM's, CD-R's and CD-RW's are accessible. All DVD-ROM's that I have are also accessible. I don't have any DVD-R's to test if the problem is present for these too. DVD+RW's report as empty, always, but are always accessible on other PC's.

I even suspected Nero, but I tried making an image of an existing DVD-ROM (that was accessible) and recording it on a DVD+RW. Again, disc appeared to be empty.

I've contacted the shop where I obtained my LiteON SOHW-1633S drive and described the situation. According to them my Gigabyte MOBO is responsible for the drive's odd behaviour.

Question is:

How to correct this problem and get my DVD drive to work properly? As you can see, I've tried more things than any average user would try and I was still unable to find a solution. After all those test I tend to agree with the shop owner, that the problem is generated by the MOBO and drive inability to communicate.

What's the solution for this?

Only other thing that could be causing it, that I can think of, would be some kind of power failure, but my PSU is brand new and reports:

VcoreA 1.660V
+3,3V 3,280V
+5V 4,880V
+12V 12,490V
+5Vsb 4,990V

PSU in the other PC is much older and readings on it are worse than these, yet the drive operates perfectly on the other PC.

ps:

Just got a message from a other friend of mine. On of the DVD+RW's works perfectly on his PC:

<http://www.ecsusa.com/products/k7s5a.html> MOBO, Win2000, LiteOn combo 52x48x16.

The same disc appears as empty on my PC in my LiteON drive.

Help.

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

I can also include DxDiag, if it's needed.

Drive Information

Drive : LITE-ON DVDRW SOHW-1633S

Type : DVD-R/RW DL Recorder

Firmware Version : BS06

Buffer Size : 2 MB

Date : 2004-08-18

Serial Number

Vendor Specific : 2004/08/18 15:51

Drive Letter : D:\

Location : 1:0

Mechanism : Tray

Read Speed : 48 X

Write Speed : 48 X

Read CD Text : Yes

Return C2 Pointers : Yes

Read CD-R : Yes

Read CD-RW : Yes

Read DVD-ROM : Yes

Read DVD-RAM : No

Read DVD-R : Yes

Read DVD-RW : Yes

Read DVD+R : Yes

Read DVD+RW : Yes

Read DVD+R DL : Yes

Read Digital Audio : Yes

Read CD+G : Yes

Read VideoCD : Yes

Write CD-R : Yes

Write CD-RW : Yes

Write DVD-R : Yes

Write DVD-RW : Yes

Write DVD+R : Yes

Write DVD+RW : Yes

Write DVD+R DL : Yes

Write DVD-RAM : No

Buffer Underrun Protection

: Yes

Mount Rainier : No

Modes : Packet, TAO, DAO, SAO, RAW SAO, RAW DAO, RAW

SAO 16, RAW SAO 96, RAW DAO 16, RAW DAO 96

Region Protection Control : RPC II

Region : 1

Changes User : 4

Changes Vendor : 4

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Disc Information (D:\

Type : – no disc inserted –

Interface Information

Adapter 1

Description : Primary IDE Channel

Driver

Description : System32\DRIVERS\atapi.sys

Company : Microsoft Corporation

Version : 5.00.2195.6699

Description : IDE/ATAPI Port Driver

Attached Devices

Adapter 2

Description : Secondary IDE Channel

Driver

Description : System32\DRIVERS\atapi.sys

Company : Microsoft Corporation

Version : 5.00.2195.6699

Description : IDE/ATAPI Port Driver

Attached Devices

Description : Master: LITE-ON DVDRW SOHW-1633S

Type : CD-Rom Drive

DMA : On

Autorun : On

Adapter 3

Description : VIA Serial ATA RAID Controller

Driver

Description : system32\drivers\viasraid.sys

Company : VIA Technologies inc.,ltd

Version : 5.0.2195.100

Description : VIA Serial ATA RAID MINIPORT DRIVER FOR WIN2000

Attached Devices

Description : ID 0 (0): VIA 6420 RAID 0

Type : Disk Drive

Software Information

Operating System : Windows 2000 Professional (5.00.2195 Service Pack 4)

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

DirectX : DirectX 9.0c

Description : Nero Burning ROM
Version : 6, 3, 1, 25
Company : Ahead Software AG
Version Check : Ok

Description : Nero StartSmart
Version : 1, 0, 1, 27
Company : Ahead Software AG

Description : Cover Designer
Version : 2, 3, 0, 11
Company : Ahead Software AG

Description : Nero BackItUp Application
Version : 1, 2, 0, 25
Company : Ahead Software AG

Hardware Information

CPU : AMD Athlon XP 1837 MHz
Bus Speed : 167 MHz
Motherboard : Gigabyte GA-7VT600 1394
System :
BIOS : Award F7
Memory : 800 MB (60ns)
Sound : SB Live! Audio [9000]
Video : NVIDIA GeForce FX 5700

Driver Information

Driver : Abiosdsk
Description : n/a
Version : n/a
Company : n/a

Driver : abp480n5
Description : n/a
Version : n/a
Company : n/a

Driver : ACPI
Description : Sterownik ACPI dla systemu NT
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : ACPIEC
Description : ACPI Embedded Controller Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : ADBLOCK.DLL
Description : n/a
Version : n/a
Company : n/a

Driver : adpu160m
Description : n/a
Version : n/a
Company : n/a

Driver : Aha154x
Description : n/a
Version : n/a
Company : n/a

Driver : aic116x
Description : n/a
Version : n/a
Company : n/a

Driver : aic78u2
Description : n/a
Version : n/a
Company : n/a

Driver : aic78xx
Description : n/a
Version : n/a
Company : n/a

Driver : ami0nt
Description : n/a
Version : n/a
Company : n/a

Driver : Amps2prt
Description : A4Tech PS/2 Port Mouse Filter Driver
Version : 5.10.3002.0
Company : A4Tech Co.,Ltd.

Driver : amsint
Description : n/a
Version : n/a
Company : n/a

Driver : asc
Description : n/a
Version : n/a
Company : n/a

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : asc3350p
Description : n/a
Version : n/a
Company : n/a

Driver : asc3550
Description : n/a
Version : n/a
Company : n/a

Driver : Aspi32
Description : ASPI for WIN32 Kernel Driver
Version : 4.60 (1021)
Company : Adaptec

Driver : AsyncMac
Description : MS Remote Access serial network driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : atapi
Description : IDE/ATAPI Port Driver
Version : 5.00.2195.6699
Company : Microsoft Corporation

Driver : Atdisk
Description : n/a
Version : n/a
Company : n/a

Driver : Atmarpc
Description : IP/ATM Arp Client
Version : 5.00.2166.1
Company : Microsoft Corporation

Driver : audstub
Description : AudStub Driver
Version : 5.00.2134.1
Company : Microsoft Corporation

Driver : BT848
Description : Bt848/878 WDM Video Capture Driver
Version : 3.1.28.36iu
Company : iuLab software

Driver : BTTUNER
Description : BtTuner WDM Tuner Driver (with FM radio support)
Version : 3.1.28.36iu
Company : iuLab software, Conexant Systems, Inc.

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : BTXBAR
Description : BtXBar WDM Crossbar Driver
Version : 3.1.28.36iu
Company : iuLab software, Conexant Systems, Inc.

Driver : BusLogic
Description : n/a
Version : n/a
Company : n/a

Driver : ccdecode
Description : WDM Closed Caption VBI Codec
Version : 5.3.000000.900 built by: DIRECTX
Company : Microsoft Corporation

Driver : cd20xrnt
Description : n/a
Version : n/a
Company : n/a

Driver : Cdaudio
Description : CD-ROM Audio Filter Driver
Version : 5.00.2135.1
Company : Microsoft Corporation

Driver : Cdfs
Description : CD-ROM File System Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : Cdr4_2K
Description : CDR4_2k CDR Helper
Version : 5.3.2.31
Company : Roxio

Driver : Cdr4lw2k
Description : CDRAL for Windows 2000 Kernel Driver
Version : 5.3.2.31
Company : Roxio

Driver : Cdrom
Description : SCSI CD-ROM Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : Changer
Description : n/a
Version : n/a
Company : n/a

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : CONTENT.DLL

Description : n/a

Version : n/a

Company : n/a

Driver : Cpqarray

Description : n/a

Version : n/a

Company : n/a

Driver : cpqarray2

Description : n/a

Version : n/a

Company : n/a

Driver : cpqfcalm

Description : n/a

Version : n/a

Company : n/a

Driver : cpqfws2e

Description : n/a

Version : n/a

Company : n/a

Driver : ctac32k

Description : Creative AC3 SW Decoder Device Driver (WDM)

Version : 5.12.01.0245-1.31.0050

Company : Creative Technology Ltd

Driver : ctaud2k

Description : Creative WDM Audio Device Driver

Version : 5.12.01.0252-1.31.0120

Company : Creative Technology Ltd

Driver : ctljystk

Description : Creative Joyport Enabler

Version : 5.00.2144.1

Company : Microsoft Corporation

Driver : ctpxy2k

Description : Creative Proxy Device Driver (WDM)

Version : 5.12.01.0244-1.31.0040

Company : Creative Technology Ltd

Driver : ctsfm2k

Description : SoundFont(R) Manager (WDM)

Version : 5.12.01.0140-0.75.1490 (beta-release)

Company : Creative Technology Ltd

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : dac960nt
Description : n/a
Version : n/a
Company : n/a

Driver : DcCam
Description : Kodak Digital Camera Driver
Version : 1.5.0502.0
Company : Eastman Kodak Company

Driver : DcFpoint
Description : Kodak Digital Camera FP Driver
Version : 1.5.0502.0
Company : Eastman Kodak Company

Driver : DCFS2K
Description : Kodak DC File System Driver (NT)
Version : 1.0.4100.7
Company : Eastman Kodak Company

Driver : DcLps
Description : Kodak Digital Camera LPS Driver
Version : 1.5.0502.0
Company : Eastman Kodak Company

Driver : DcPTP
Description : Kodak Digital Camera PTP Driver
Version : 1.5.0502.0
Company : Eastman Kodak Company

Driver : deckzpsx
Description : n/a
Version : n/a
Company : n/a

Driver : Disk
Description : PnP Disk Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : dmboot
Description : Sterownik uruchamiania Menedżera dysków NT
Version : 2195.6655.297.3
Company : VERITAS Software Corp.

Driver : dmio
Description : Sterownik We/Wy menedżera dysków NT
Version : 2195.6655.297.3
Company : VERITAS Software Corp.

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : dmload
Description : NT Disk Manager Startup Driver
Version : 2195.6655.297.3
Company : VERITAS Software Corp.

Driver : DMusic
Description : Microsoft DirectMusic Software Synthesizer (WDM)
Version : 5.00.2166.1
Company : Microsoft Corporation

Driver : DNSCACHE.DLL
Description : n/a
Version : n/a
Company : n/a

Driver : dTVdrvNT
Description : n/a
Version : n/a
Company : n/a

Driver : EFS
Description : EFS File System Filter Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : ElbyCDIO
Description : ElbyCD Windows NT/2000/XP I/O driver
Version : 4, 3, 1, 1
Company : Elaborate Bytes AG

Driver : ElbyDelay
Description : Elby Delay Lower Filter Driver
Version : 5, 0, 0, 1
Company : Elaborate Bytes AG

Driver : emu10k
Description : n/a
Version : n/a
Company : n/a

Driver : emupia
Description : n/a
Version : n/a
Company : n/a

Driver : Exportit
Description : Kodak DC File System driver
Version : 1.0.8900.7
Company : Eastman Kodak Company

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : Fastfat
Description : Fast FAT File System Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : Fd16_700
Description : n/a
Version : n/a
Company : n/a

Driver : Fdc
Description : Floppy Disk Controller Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : fireport
Description : n/a
Version : n/a
Company : n/a

Driver : flashpnt
Description : n/a
Version : n/a
Company : n/a

Driver : Flpydisk
Description : Floppy Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : Ftdisk
Description : Sterownik dysku FT
Version : 5.00.2195.6697
Company : Microsoft Corporation

Driver : FTPFILT.DLL
Description : n/a
Version : n/a
Company : n/a

Driver : gameenum
Description : Game Port Enumerator
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : GLOGODrv
Description : Generic Port I/O
Version : 4.00
Company : Microsoft Corporation

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : Gpc
Description : n/a
Version : n/a
Company : n/a

Driver : ha10kx2k
Description : Creative EMU10KX HAL (WDM)
Version : 5.12.01.0250-1.31.0090
Company : Creative Technology Ltd

Driver : hidgame
Description : HidGame Library
Version : 5.00.2159.1
Company : Microsoft Corporation

Driver : HidUsb
Description : USB Miniport Driver for Input Devices
Version : 5.00.2142.1
Company : Microsoft Corporation

Driver : HTMLFILT.DLL
Description : n/a
Version : n/a
Company : n/a

Driver : HTTPFILT.DLL
Description : n/a
Version : n/a
Company : n/a

Driver : i8042prt
Description : Sterownik portu i8042
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : IMAPFILT.DLL
Description : n/a
Version : n/a
Company : n/a

Driver : ini910u
Description : n/a
Version : n/a
Company : n/a

Driver : IntelIde
Description : n/a
Version : n/a
Company : n/a

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : IpFilterDriver
Description : n/a
Version : n/a
Company : n/a

Driver : IpInIp
Description : IP in IP Encapsulation Driver
Version : 5.00.2168.1
Company : Microsoft Corporation

Driver : IpNat
Description : IP Network Address Translator
Version : 5.00.2195.6616
Company : Microsoft Corporation

Driver : IPSEC
Description : IPSEC Driver (US/Canada Only, Not for Export)
Version : 5.00.2195.6738
Company : Microsoft Corporation

Driver : ipsraidn
Description : n/a
Version : n/a
Company : n/a

Driver : IRENUM
Description : Infra-Red Bus Enumerator
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : isapnp
Description : Sterownik magistrali ISA PNP
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : kmixer
Description : Kernel Mode Audio Mixer
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : lbrtfdc
Description : n/a
Version : n/a
Company : n/a

Driver : lp6nds35
Description : n/a
Version : n/a
Company : n/a

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : MAILFILT.DLL

Description : n/a

Version : n/a

Company : n/a

Driver : MarkFun_NT

Description : n/a

Version : n/a

Company : n/a

Driver : Modem

Description : Sterownik modemu

Version : 5.00.2195.6655

Company : Microsoft Corporation

Driver : MPE

Description : Microsoft MPE to IP Filter

Version : 5.3.0000000.900 built by: DIRECTX

Company : Microsoft Corporation

Driver : mraid35x

Description : n/a

Version : n/a

Company : n/a

Driver : msikbd2k

Description : Multimedia Keyboard Driver for Windows 2000/XP

Version : 1.06 built by: WinDDK

Company : Netropa Corporation

Driver : MSKSSRV

Description : MS KS Server

Version : 5.3.0000000.900 built by: DIRECTX

Company : Microsoft Corporation

Driver : MSPCLOCK

Description : MS Proxy Clock

Version : 5.3.0000000.900 built by: DIRECTX

Company : Microsoft Corporation

Driver : MSPQM

Description : MS Proxy Quality Manager

Version : 5.00.2134.1

Company : Microsoft Corporation

Driver : MSTEE

Description : WDM Tee/Communication Transform Filter

Version : 5.3.0000000.900 built by: DIRECTX

Company : Microsoft Corporation

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : NABTSFEC
Description : WDM NABTS/FEC VBI Codec
Version : 5.3.0000000.900 built by: DIRECTX
Company : Microsoft Corporation

Driver : NAVENG
Description : n/a
Version : n/a
Company : n/a

Driver : NAVEX15
Description : n/a
Version : n/a
Company : n/a

Driver : Nrcr710
Description : n/a
Version : n/a
Company : n/a

Driver : NdisIP
Description : Microsoft IP Driver
Version : 5.3.0000000.900 built by: DIRECTX
Company : Microsoft Corporation

Driver : NdisTapi
Description : NDIS 3.0 connection wrapper driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : Ndisuio
Description : NDIS User mode I/O Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : NdisWan
Description : MS WAN Wrapper Network Driver (US/Canada Only, Not for Export)
Version : 5.00.2195.6699
Company : Microsoft Corporation

Driver : NetDetect
Description : n/a
Version : n/a
Company : n/a

Driver : NNTPFILT.DLL
Description : n/a
Version : n/a
Company : n/a

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : NPDriver
Description : Norton Protection Driver
Version : 16.00.0.22
Company : Symantec Corporation

Driver : Npfs
Description : NPFS Driver
Version : 5.00.2147.1
Company : Microsoft Corporation

Driver : Ntfs
Description : NT File System Driver
Version : 5.00.2195.6753
Company : Microsoft Corporation

Driver : nv
Description : n/a
Version : n/a
Company : n/a

Driver : NwlnkFlt
Description : NWLINK2 Traffic Filter Driver
Version : 5.00.2134.1
Company : Microsoft Corporation

Driver : NwlnkFwd
Description : NWLINK2 Forwarder Driver
Version : 5.00.2173.1
Company : Microsoft Corporation

Driver : ossrv
Description : n/a
Version : n/a
Company : n/a

Driver : Parallel
Description : Sterownik drukarki równoleg³ej
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : Parport
Description : Sterownik portu równoleg³ego
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : PartMgr
Description : Partition Manager
Version : 5.00.2195.6655
Company : Microsoft Corporation

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : ParVdm
Description : VDM Parallel Driver
Version : 5.00.2135.1
Company : Microsoft Corporation

Driver : PCI
Description : Licznik NT Plug and Play PCI
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : PCIDump
Description : n/a
Version : n/a
Company : n/a

Driver : PCIIde
Description : Rodzajowy sterownik magistrali PCI IDE
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : Pcmcia
Description : Sterownik magistrali PCMCIA
Version : 5.00.2195.6664
Company : Microsoft Corporation

Driver : PfModNT
Description : n/a
Version : n/a
Company : n/a

Driver : POP3FILT.DLL
Description : n/a
Version : n/a
Company : n/a

Driver : ppsio
Description : Flatbed DevDriver/NT4 v3.10 Build 303
Version : 3.10
Company : N/A

Driver : PptpMiniport
Description : n/a
Version : n/a
Company : n/a

Driver : PROTECT.DLL
Description : n/a
Version : n/a
Company : n/a

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : Ptilink
Description : Parallel Technologies DirectParallel IO Library
Version : 1.10
Company : Parallel Technologies, Inc.

Driver : ql1080
Description : n/a
Version : n/a
Company : n/a

Driver : Q110wnt
Description : n/a
Version : n/a
Company : n/a

Driver : ql1240
Description : n/a
Version : n/a
Company : n/a

Driver : ql2100
Description : n/a
Version : n/a
Company : n/a

Driver : Rasl2tp
Description : RAS L2TP mini-port/call-manager driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : Raspti
Description : PTI DirectParallel(R) mini-port/call-manager driver
Version : 5.00.2146.1
Company : Microsoft Corporation

Driver : RCA
Description : RCA filter
Version : 5.00.2164.1
Company : Microsoft Corporation

Driver : Rdbss
Description : Redirected Drive Buffering SubSystem Driver
Version : 5.00.2195.6713
Company : Microsoft Corporation

Driver : redbook
Description : Sterownik filtru audio Redbook
Version : 5.00.2195.6655
Company : Microsoft Corporation

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : RTL8023
Description : n/a
Version : n/a
Company : n/a

Driver : rtl8139
Description : NDIS 5.0 driver
Version : 5.366.0818.1999
Company : Realtek Semiconductor Corporation

Driver : SAVRT
Description : AutoProtect
Version : 9.0.2.1
Company : Symantec Corporation

Driver : SAVRTPEL
Description : SAVRTPEL
Version : 9.0.2.1
Company : Symantec Corporation

Driver : serenum
Description : Serial Port Enumerator
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : Serial
Description : Sterownik urz±dzenia szeregowego
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : Sfloppy
Description : SCSI Floppy Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : sglfb
Description : n/a
Version : n/a
Company : n/a

Driver : Simbad
Description : n/a
Version : n/a
Company : n/a

Driver : SLIP
Description : Microsoft Slip Deframing Filter Minidriver
Version : 5.3.0000000.900 built by: DIRECTX
Company : Microsoft Corporation

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : Sparrow
Description : n/a
Version : n/a
Company : n/a

Driver : Srv
Description : Server driver
Version : 5.00.2195.6699
Company : Microsoft Corporation

Driver : streamip
Description : Microsoft IP Driver
Version : 5.3.0000000.900 built by: DIRECTX
Company : Microsoft Corporation

Driver : swenum
Description : Plug and Play Software Device Enumerator
Version : 5.3.0000000.900 built by: DIRECTX
Company : Microsoft Corporation

Driver : swmidi
Description : Microsoft GS Wavetable Synthesizer
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : symc810
Description : n/a
Version : n/a
Company : n/a

Driver : symc8xx
Description : n/a
Version : n/a
Company : n/a

Driver : SymEvent
Description : Symantec Event Library
Version : 11.3.0.17
Company : Symantec Corporation

Driver : SYMREDRV
Description : Redirector Filter
Version : 4.7.1.2
Company : Symantec Corporation

Driver : SYMTDI
Description : Norton Internet Security Filter
Version : 4.7.1.2
Company : Symantec Corporation

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : sym_hi
Description : n/a
Version : n/a
Company : n/a

Driver : sysaudio
Description : System Audio WDM Filter
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : Tcpip
Description : TCP/IP driver
Version : 5.00.2195.6706
Company : Microsoft Corporation

Driver : tga
Description : n/a
Version : n/a
Company : n/a

Driver : Udfs
Description : UDF File System Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : uhcd
Description : Universal Host Controller Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : ultra66
Description : n/a
Version : n/a
Company : n/a

Driver : Update
Description : Update Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : usbehci
Description : EHCI eUSB Miniport Driver
Version : 5.00.2195.6709
Company : Microsoft Corporation

Driver : usbhub
Description : Default Hub Driver for USB
Version : 5.00.2195.6689
Company : Microsoft Corporation

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : usbhub20
Description : Default Hub Driver for USB 2.0
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : usbprint
Description : USB Printer driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : USBSTOR
Description : USB Mass Storage Class Driver
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : VFILT
Description : n/a
Version : n/a
Company : n/a

Driver : VgaSave
Description : n/a
Version : n/a
Company : n/a

Driver : viaagp1
Description : VIA NT AGP Filter
Version : 5.0.0.3442 built by: VIA
Company : VIA Technologies, Inc.

Driver : viafilter
Description : n/a
Version : n/a
Company : n/a

Driver : viaide
Description : VIA PCI IDE Bus Driver
Version : 5.0.2195.120
Company : VIA Technologies, Inc.

Driver : viasraid
Description : VIA Serial ATA RAID MINIPORT DRIVER FOR WIN2000
Version : 5.0.2195.100
Company : VIA Technologies inc.,ltd

Driver : vulfnths
Description : n/a
Version : n/a
Company : n/a

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : vulfntrs
Description : n/a
Version : n/a
Company : n/a

Driver : Wanarp
Description : MS Remote Access and Routing ARP Driver
Version : 5.00.2195.6601
Company : Microsoft Corporation

Driver : wdmaud
Description : MMSYSTEM Wave/Midi API mapper
Version : 5.00.2195.6655
Company : Microsoft Corporation

Driver : WSTCODEC
Description : WDM WST Codec Driver
Version : 5.3.0000000.900 built by: DIRECTX
Company : Microsoft Corporation

Driver : msvcr.dll
Version : 6.10.9844.0

Driver : msvcirt.dll
Version : 6.10.8637.0

Driver : mfc42.dll
Version : 6.00.9586.0

Driver : mfc42loc.dll
Version : 6.00.8665.0

Driver : msvcp60.dll
Version : 6.00.8972.0

Driver : msvcp70.dll
Version : 7.00.9466.0

Driver : Msvcr70.dll
Version : 7.00.9466.0

Driver : OLE32.DLL
Version : 5.00.2195.6906

Driver : OLEPRO32.DLL
Version : 5.0.4522

Driver : oledlg.dll
Version : 1.0

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Driver : ADVAPI32.DLL
Version : 5.00.2195.6876

Driver : comctl32.dll
Version : 5.81

Lower Filters

Driver : ElbyDelay
Description : Elby Delay Lower Filter Driver
Version : 5, 0, 0, 1
Company : Elaborate Bytes AG

Driver : Cdr4_2K
Description : CDR4_2k CDR Helper
Version : 5.3.2.31
Company : Roxio

Upper Filters

Driver : Cdralw2k
Description : CDRAL for Windows 2000 Kernel Driver
Version : 5.3.2.31
Company : Roxio

Video Codecs

Koder-dekoder Cinepak firmy Radius : 1.10.0.6
Intel Indeo(R) Video R3.2
Intel Indeo(R) Video R3.2
Microsoft RLE : 5.00.2195.6612
Microsoft Video 1 : 5.00.2134.1
Microsoft H.263 Video Codec : 4.4.3385
Microsoft H.261 Video Codec : 4.4.3385
Intel 4|2|0 Video V2.50 : 4.4.3385
IndeoR video 5.10 : R.5.10.15.2.55
Microsoft YUV : 5.3.0000000.900 built by:
DIRECTX
Microsoft YUV : 5.3.0000000.900 built by:
DIRECTX
Microsoft YUV : 5.3.0000000.900 built by:
DIRECTX
Microsoft MPEG-4 Video Codec V2 : 3.01.0.2954
Microsoft MPEG-4 Video Codec V1 : 3.01.0.2954
Fraps Video Decompressor : 2, 1, 0, 2264
: V2.00.00.00
Toshiba YUV Codec : 1.0.5
DivX ;-) MPEG-4 Low-Motion : 4.divx.3920
DivX ;-) MPEG-4 Fast-Motion : 4.DivX.3917
XviD MPEG-4 Codec : n/a
DivXR 5.2.1 Codec : 5.2.1.1328

DVD RW drive will not read DVD+RW discs.

microsoft.public.win2000.hardware: DVD RW drive will not read DVD+RW discs.

Audio Codecs

Koder-dekoder Microsoft IMA ADPCM : 4.00.0.0
Koder-dekoder Microsoft ADPCM : 4.00.0.0
CODEC Microsoft CCITT G.711 A-Law i u-Law : 4.00.0.0
Koder-dekoder audio Microsoft GSM 6.10 : 4.00.0.0
Koder-dekoder DSP Group TrueSpeech(TM) Software
: 1.00.0.0
Lernout & Hauspie CODECs : 1.00.0.1
Microsoft G.723.1 CODEC : 1.02.0.1
IndeoR audio software : 2.05.0.53
Sipro Lab Telecom ACELP.net audio codec : 2.08.0.0
Windows Media Audio : 4.02.0.0
DivX ;-) Audio Compressor : 4.02.0.0
Fraunhofer IIS MPEG Layer-3 Codec (advanced) : 1.09.1.49
Microsoft PCM Converter : 5.00.0.0

ASPI Information

System ASPI : ASPI is installed and working properly

WNASPI32.DLL : 4.60 (1021) 45056 bytes September 10, 1999
ASPI32.SYS : 4.60 (1021) 25244 bytes September 10, 1999
WINASPI.DLL : 4.60 (1021) 5600 bytes September 10, 1999
WOWPOST.EXE : 4.60 (1021) 4672 bytes September 10, 1999

Nero ASPI : ASPI is installed and working properly

WNASPI32.DLL : 2.0.1.68 160016 bytes July 22, 2004