

## Re: CD/DVD drive errors and lost ticks

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-12/msg00726.html>

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- *From:* [kernel-stuff@xxxxxxxxxxx](mailto:kernel-stuff@xxxxxxxxxxx) (Parag Warudkar)
  - *Date:* Sun, 03 Dec 2006 15:52:14 +0000
- 

Hi

It seems that your kernel is using IDE for your CDROM and libata for your other drives. I recall having a similar problem with my laptop (DMA Disabled) when I had both IDE and SATA/PATA support enabled. I had to disable IDE altogether and let SATA/PATA drivers handle all my drives in order to get DMA on the CDROM.

Try and pass `ide=noprobe` option to the kernel boot command line and see if that makes a difference first – may be that will allow the SATA/PATA drivers to claim the CDROM before IDE sees it.

If that won't work try and disable ATA/ATAPI/MFM/RLL support in your config and enable Serial ATA (prod) and Parallel ATA (experimental drivers) and select the right SATA drivers as built ins or modules (I think in your case it is going to be NVIDIA SATA support and/or AMD/Nvidia PATA support but I may be wrong). Then rebuild the kernel and see if your DVD drive has DMA and you can watch DVDs.

Parag

----- Original message -----

From: Christoph Anton Mitterer <[calestyo@xxxxxxxxxxx](mailto:calestyo@xxxxxxxxxxx)>

Hi.

It seems that the old firmware doesn't solve the problem,... at least with one CD where I was sure that the drive wasn't able to read it in at all. I'm going to test other DVDs tuesday.

Thanks, Chris.

```
my kernel is 2.6.18.2
#
# Automatically generated make config: don't edit
# Linux kernel version: 2.6.18
# Fri Nov 10 01:13:28 2006
#
CONFIG_X86_64=y
CONFIG_64BIT=y
CONFIG_X86=y
CONFIG_LOCKDEP_SUPPORT=y
CONFIG_STACKTRACE_SUPPORT=y
```

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```
CONFIG_SEMAPHORE_SLEEPERS=y
CONFIG_MMU=y
CONFIG_RWSEM_GENERIC_SPINLOCK=y
CONFIG_GENERIC_HWEIGHT=y
CONFIG_GENERIC_CALIBRATE_DELAY=y
CONFIG_X86_CMPXCHG=y
CONFIG_EARLY_PRINTK=y
CONFIG_GENERIC_ISA_DMA=y
CONFIG_GENERIC_IOMAP=y
CONFIG_ARCH_MAY_HAVE_PC_FDC=y
CONFIG_DMI=y
CONFIG_AUDIT_ARCH=y
CONFIG_DEFCONFIG_LIST="/lib/modules/$UNAME_RELEASE/.config"

#
# Code maturity level options
#
CONFIG_EXPERIMENTAL=y
CONFIG_LOCK_KERNEL=y
CONFIG_INIT_ENV_ARG_LIMIT=32

#
# General setup
#
CONFIG_LOCALVERSION=""
# CONFIG_LOCALVERSION_AUTO is not set
CONFIG_SWAP=y
CONFIG_SYSVIPC=y
CONFIG_POSIX_MQUEUE=y
CONFIG_BSD_PROCESS_ACCT=y
CONFIG_BSD_PROCESS_ACCT_V3=y
# CONFIG_TASKSTATS is not set
CONFIG_AUDIT=y
CONFIG_AUDITSYSCALL=y
# CONFIG_IKCONFIG is not set
CONFIG_CPUSETS=y
# CONFIG_RELAY is not set
CONFIG_INITRAMFS_SOURCE=""
CONFIG_CC_OPTIMIZE_FOR_SIZE=y
# CONFIG_EMBEDDED is not set
CONFIG_UID16=y
CONFIG_SYSCTL=y
CONFIG_KALLSYMS=y
# CONFIG_KALLSYMS_EXTRA_PASS is not set
CONFIG_HOTPLUG=y
CONFIG_PRINTK=y
CONFIG_BUG=y
CONFIG_ELF_CORE=y
CONFIG_BASE_FULL=y
CONFIG_FUTEX=y
CONFIG_EPOLL=y
```

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```
CONFIG_SHMEM=y
CONFIG_SLAB=y
CONFIG_VM_EVENT_COUNTERS=y
CONFIG_RT_MUTEXES=y
# CONFIG_TINY_SHMEM is not set
CONFIG_BASE_SMALL=0
# CONFIG_SLOB is not set

#
# Loadable module support
#
CONFIG_MODULES=y
CONFIG_MODULE_UNLOAD=y
# CONFIG_MODULE_FORCE_UNLOAD is not set
# CONFIG_MODVERSIONS is not set
CONFIG_MODULE_SRCVERSION_ALL=y
CONFIG_KMOD=y
CONFIG_STOP_MACHINE=y

#
# Block layer
#
# CONFIG_LBD is not set
# CONFIG_BLK_DEV_IO_TRACE is not set
CONFIG_LSF=y

#
# IO Schedulers
#
CONFIG_IOSCHED_NOOP=y
CONFIG_IOSCHED_AS=y
CONFIG_IOSCHED_DEADLINE=y
CONFIG_IOSCHED_CFQ=y
CONFIG_DEFAULT_AS=y
# CONFIG_DEFAULT_DEADLINE is not set
# CONFIG_DEFAULT_CFQ is not set
# CONFIG_DEFAULT_NOOP is not set
CONFIG_DEFAULT_IOSCHED="anticipatory"

#
# Processor type and features
#
CONFIG_X86_PC=y
# CONFIG_X86_VSMP is not set
CONFIG_MK8=y
# CONFIG_MPSC is not set
# CONFIG_GENERIC_CPU is not set
CONFIG_X86_L1_CACHE_BYTES=64
CONFIG_X86_L1_CACHE_SHIFT=6
CONFIG_X86_INTERNODE_CACHE_BYTES=64
CONFIG_X86_TSC=y
```

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```
CONFIG_X86_GOOD_APIC=y
# CONFIG_MICROCODE is not set
CONFIG_X86_MSR=y
CONFIG_X86_CPUID=m
CONFIG_X86_IO_APIC=y
CONFIG_X86_LOCAL_APIC=y
CONFIG_MTRR=y
CONFIG_SMP=y
# CONFIG_SCHED_SMT is not set
CONFIG_SCHED_MC=y
# CONFIG_PREEMPT_NONE is not set
# CONFIG_PREEMPT_VOLUNTARY is not set
CONFIG_PREEMPT=y
CONFIG_PREEMPT_BKL=y
CONFIG_NUMA=y
CONFIG_K8_NUMA=y
CONFIG_NODES_SHIFT=6
CONFIG_X86_64_ACPI_NUMA=y
# CONFIG_NUMA_EMU is not set
CONFIG_ARCH_DISCONTIGMEM_ENABLE=y
CONFIG_ARCH_DISCONTIGMEM_DEFAULT=y
CONFIG_ARCH_SPARSEMEM_ENABLE=y
CONFIG_SELECT_MEMORY_MODEL=y
# CONFIG_FLATMEM_MANUAL is not set
CONFIG_DISCONTIGMEM_MANUAL=y
# CONFIG_SPARSEMEM_MANUAL is not set
CONFIG_DISCONTIGMEM=y
CONFIG_FLAT_NODE_MEM_MAP=y
CONFIG_NEED_MULTIPLE_NODES=y
# CONFIG_SPARSEMEM_STATIC is not set
CONFIG_SPLIT_PTLOCK_CPUS=4
CONFIG_MIGRATION=y
CONFIG_RESOURCES_64BIT=y
CONFIG_HAVE_ARCH_EARLY_PFN_TO_NID=y
CONFIG_OUT_OF_LINE_PFN_TO_PAGE=y
CONFIG_NR_CPUS=4
# CONFIG_HOTPLUG_CPU is not set
CONFIG_ARCH_ENABLE_MEMORY_HOTPLUG=y
CONFIG_HPET_TIMER=y
CONFIG_HPET_EMULATE_RTC=y
CONFIG_IOMMU=y
# CONFIG_CALGARY_IOMMU is not set
CONFIG_SWIOTLB=y
CONFIG_X86_MCE=y
# CONFIG_X86_MCE_INTEL is not set
CONFIG_X86_MCE_AMD=y
# CONFIG_KEXEC is not set
# CONFIG_CRASH_DUMP is not set
CONFIG_PHYSICAL_START=0x200000
CONFIG_SECCOMP=y
# CONFIG_HZ_100 is not set
```

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```
# CONFIG_HZ_250 is not set
CONFIG_HZ_1000=y
CONFIG_HZ=1000
CONFIG_REORDER=y
CONFIG_K8_NB=y
CONFIG_GENERIC_HARDIRQS=y
CONFIG_GENERIC_IRQ_PROBE=y
CONFIG_ISA_DMA_API=y
CONFIG_GENERIC_PENDING_IRQ=y

#
# Power management options
#
CONFIG_PM=y
# CONFIG_PM_LEGACY is not set
# CONFIG_PM_DEBUG is not set

#
# ACPI (Advanced Configuration and Power Interface) Support
#
CONFIG_ACPI=y
CONFIG_ACPI_AC=y
CONFIG_ACPI_BATTERY=y
CONFIG_ACPI_BUTTON=y
CONFIG_ACPI_VIDEO=y
# CONFIG_ACPI_HOTKEY is not set
CONFIG_ACPI_FAN=y
# CONFIG_ACPI_DOCK is not set
CONFIG_ACPI_PROCESSOR=y
CONFIG_ACPI_THERMAL=y
CONFIG_ACPI_NUMA=y
# CONFIG_ACPI_ASUS is not set
# CONFIG_ACPI_IBM is not set
# CONFIG_ACPI_TOSHIBA is not set
CONFIG_ACPI_BLACKLIST_YEAR=0
# CONFIG_ACPI_DEBUG is not set
CONFIG_ACPI_EC=y
CONFIG_ACPI_POWER=y
CONFIG_ACPI_SYSTEM=y
CONFIG_X86_PM_TIMER=y
# CONFIG_ACPI_CONTAINER is not set
# CONFIG_ACPI_SBS is not set

#
# CPU Frequency scaling
#
# CONFIG_CPU_FREQ is not set

#
# Bus options (PCI etc.)
#
```

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```
CONFIG_PCI=y
CONFIG_PCI_DIRECT=y
CONFIG_PCI_MMCONFIG=y
CONFIG_PCIEPORTBUS=y
CONFIG_PCI_MSI=y

#
# PCCARD (PCMCIA/CardBus) support
#
# CONFIG_PCCARD is not set

#
# PCI Hotplug Support
#
# CONFIG_HOTPLUG_PCI is not set

#
# Executable file formats / Emulations
#
CONFIG_BINFMT_ELF=y
CONFIG_BINFMT_MISC=m
CONFIG_IA32_EMULATION=y
CONFIG_IA32_AOUT=m
CONFIG_COMPAT=y
CONFIG_SYSVIPC_COMPAT=y

#
# Networking
#
CONFIG_NET=y

#
# Networking options
#
# CONFIG_NETDEBUG is not set
CONFIG_PACKET=y
CONFIG_PACKET_MMAP=y
CONFIG_UNIX=y
CONFIG_XFRM=y
CONFIG_XFRM_USER=y
CONFIG_NET_KEY=y
CONFIG_INET=y
CONFIG_IP_MULTICAST=y
# CONFIG_IP_ADVANCED_ROUTER is not set
CONFIG_IP_FIB_HASH=y
# CONFIG_IP_PNP is not set
CONFIG_NET_IPIP=m
# CONFIG_NET_IPGRE is not set
# CONFIG_IP_MROUTE is not set
# CONFIG_ARPD is not set
CONFIG_SYN_COOKIES=y
```

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```
CONFIG_INET_AH=y
CONFIG_INET_ESP=y
CONFIG_INET_IPCOMP=y
CONFIG_INET_XFRM_TUNNEL=y
CONFIG_INET_TUNNEL=y
CONFIG_INET_XFRM_MODE_TRANSPORT=y
CONFIG_INET_XFRM_MODE_TUNNEL=y
CONFIG_INET_DIAG=y
CONFIG_INET_TCP_DIAG=y
# CONFIG_TCP_CONG_ADVANCED is not set
CONFIG_TCP_CONG_BIC=y
CONFIG_IPV6=y
CONFIG_IPV6_PRIVACY=y
# CONFIG_IPV6_ROUTER_PREF is not set
CONFIG_INET6_AH=y
CONFIG_INET6_ESP=y
CONFIG_INET6_IPCOMP=y
CONFIG_INET6_XFRM_TUNNEL=y
CONFIG_INET6_TUNNEL=y
CONFIG_INET6_XFRM_MODE_TRANSPORT=y
CONFIG_INET6_XFRM_MODE_TUNNEL=y
CONFIG_IPV6_TUNNEL=m
# CONFIG_NETWORK_SECMARK is not set
# CONFIG_NETFILTER is not set

#
# DCCP Configuration (EXPERIMENTAL)
#
# CONFIG_IP_DCCP is not set

#
# SCTP Configuration (EXPERIMENTAL)
#
# CONFIG_IP_SCTP is not set

#
# TIPC Configuration (EXPERIMENTAL)
#
# CONFIG_TIPC is not set
# CONFIG_ATM is not set
# CONFIG_BRIDGE is not set
# CONFIG_VLAN_8021Q is not set
# CONFIG_DECNET is not set
# CONFIG_LLC2 is not set
# CONFIG_IPX is not set
# CONFIG_ATALK is not set
# CONFIG_X25 is not set
# CONFIG_LAPB is not set
# CONFIG_ECONET is not set
# CONFIG_WAN_ROUTER is not set
```

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```
#
# QoS and/or fair queueing
#
# CONFIG_NET_SCHED is not set

#
# Network testing
#
# CONFIG_NET_PKTGEN is not set
# CONFIG_HAMRADIO is not set
# CONFIG_IRDA is not set
# CONFIG_BT is not set
# CONFIG_IEEE80211 is not set

#
# Device Drivers
#

#
# Generic Driver Options
#
CONFIG_STANDALONE=y
CONFIG_PREVENT_FIRMWARE_BUILD=y
CONFIG_FW_LOADER=y
# CONFIG_SYS_HYPERVISOR is not set

#
# Connector – unified userspace <-> kernelspace linker
#
# CONFIG_CONNECTOR is not set

#
# Memory Technology Devices (MTD)
#
# CONFIG_MTD is not set

#
# Parallel port support
#
# CONFIG_PARPORT is not set

#
# Plug and Play support
#
CONFIG_PNP=y
# CONFIG_PNP_DEBUG is not set

#
# Protocols
#
CONFIG_PNPACPI=y
```

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```
#
# Block devices
#
CONFIG_BLK_DEV_FD=y
# CONFIG_BLK_CPQ_DA is not set
# CONFIG_BLK_CPQ_CISS_DA is not set
# CONFIG_BLK_DEV_DAC960 is not set
# CONFIG_BLK_DEV_UMEM is not set
# CONFIG_BLK_DEV_COW_COMMON is not set
CONFIG_BLK_DEV_LOOP=y
# CONFIG_BLK_DEV_CRYPTLOOP is not set
CONFIG_BLK_DEV_NBD=y
# CONFIG_BLK_DEV_SX8 is not set
# CONFIG_BLK_DEV_UB is not set
# CONFIG_BLK_DEV_RAM is not set
# CONFIG_BLK_DEV_INITRD is not set
CONFIG_CDROM_PKTCDVD=m
CONFIG_CDROM_PKTCDVD_BUFFERS=8
# CONFIG_CDROM_PKTCDVD_WCACHE is not set
# CONFIG_ATA_OVER_ETH is not set

#
# ATA/ATAPI/MFM/RLL support
#
CONFIG_IDE=y
CONFIG_BLK_DEV_IDE=y

#
# Please see Documentation/ide.txt for help/info on IDE drives
#
# CONFIG_BLK_DEV_IDE_SATA is not set
# CONFIG_BLK_DEV_HD_IDE is not set
CONFIG_BLK_DEV_IDEDISK=y
# CONFIG_IDEDISK_MULTI_MODE is not set
CONFIG_BLK_DEV_IDECD=y
# CONFIG_BLK_DEV_IDETAPE is not set
# CONFIG_BLK_DEV_IDEFLOPPY is not set
CONFIG_BLK_DEV_IDESCSI=m
CONFIG_IDE_TASK_IOCTL=y

#
# IDE chipset support/bugfixes
#
CONFIG_IDE_GENERIC=y
# CONFIG_BLK_DEV_CMD640 is not set
# CONFIG_BLK_DEV_IDEPNP is not set
CONFIG_BLK_DEV_IDEPCI=y
CONFIG_IDEPCI_SHARE_IRQ=y
# CONFIG_BLK_DEV_OFFBOARD is not set
CONFIG_BLK_DEV_GENERIC=y
```

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```
# CONFIG_BLK_DEV_OPTI621 is not set
# CONFIG_BLK_DEV_RZ1000 is not set
CONFIG_BLK_DEV_IDEDMA_PCI=y
# CONFIG_BLK_DEV_IDEDMA_FORCED is not set
CONFIG_IDEDMA_PCI_AUTO=y
# CONFIG_IDEDMA_ONLYDISK is not set
# CONFIG_BLK_DEV_AEC62XX is not set
# CONFIG_BLK_DEV_ALI15X3 is not set
CONFIG_BLK_DEV_AMD74XX=y
# CONFIG_BLK_DEV_ATIIXP is not set
# CONFIG_BLK_DEV_CMD64X is not set
# CONFIG_BLK_DEV_TRIFLEX is not set
# CONFIG_BLK_DEV_CY82C693 is not set
# CONFIG_BLK_DEV_CS5520 is not set
# CONFIG_BLK_DEV_CS5530 is not set
# CONFIG_BLK_DEV_HPT34X is not set
# CONFIG_BLK_DEV_HPT366 is not set
# CONFIG_BLK_DEV_SC1200 is not set
# CONFIG_BLK_DEV_PIIX is not set
# CONFIG_BLK_DEV_IT821X is not set
# CONFIG_BLK_DEV_NS87415 is not set
# CONFIG_BLK_DEV_PDC202XX_OLD is not set
# CONFIG_BLK_DEV_PDC202XX_NEW is not set
# CONFIG_BLK_DEV_SVWKS is not set
# CONFIG_BLK_DEV_SIIMAGE is not set
# CONFIG_BLK_DEV_SIS5513 is not set
# CONFIG_BLK_DEV_SLC90E66 is not set
# CONFIG_BLK_DEV_TRM290 is not set
# CONFIG_BLK_DEV_VIA82CXXX is not set
# CONFIG_IDE_ARM is not set
CONFIG_BLK_DEV_IDEDMA=y
# CONFIG_IDEDMA_IVB is not set
CONFIG_IDEDMA_AUTO=y
# CONFIG_BLK_DEV_HD is not set

#
# SCSI device support
#
# CONFIG_RAID_ATTRS is not set
CONFIG_SCSI=y
# CONFIG_SCSI_PROC_FS is not set

#
# SCSI support type (disk, tape, CD-ROM)
#
CONFIG_BLK_DEV_SD=y
# CONFIG_CHR_DEV_ST is not set
# CONFIG_CHR_DEV_OSST is not set
# CONFIG_BLK_DEV_SR is not set
CONFIG_CHR_DEV_SG=y
# CONFIG_CHR_DEV_SCH is not set
```

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```
#
# Some SCSI devices (e.g. CD jukebox) support multiple LUNs
#
CONFIG_SCSI_MULTI_LUN=y
# CONFIG_SCSI_CONSTANTS is not set
# CONFIG_SCSI_LOGGING is not set

#
# SCSI Transport Attributes
#
CONFIG_SCSI_SPI_ATTRS=y
CONFIG_SCSI_FC_ATTRS=y
CONFIG_SCSI_ISCSI_ATTRS=y
CONFIG_SCSI_SAS_ATTRS=y

#
# SCSI low-level drivers
#
# CONFIG_ISCSI_TCP is not set
# CONFIG_BLK_DEV_3W_XXXX_RAID is not set
# CONFIG_SCSI_3W_9XXX is not set
# CONFIG_SCSI_ACARD is not set
# CONFIG_SCSI_AACRAID is not set
# CONFIG_SCSI_AIC7XXX is not set
# CONFIG_SCSI_AIC7XXX_OLD is not set
# CONFIG_SCSI_AIC79XX is not set
# CONFIG_SCSI_ARCMSR is not set
# CONFIG_MEGARAID_NEWGEN is not set
# CONFIG_MEGARAID_LEGACY is not set
# CONFIG_MEGARAID_SAS is not set
CONFIG_SCSI_SATA=y
# CONFIG_SCSI_SATA_AHCI is not set
# CONFIG_SCSI_SATA_SVW is not set
# CONFIG_SCSI_ATA_PIIX is not set
# CONFIG_SCSI_SATA_MV is not set
CONFIG_SCSI_SATA_NV=y
# CONFIG_SCSI_PDC_ADMA is not set
# CONFIG_SCSI_HPTIOP is not set
# CONFIG_SCSI_SATA_QSTOR is not set
# CONFIG_SCSI_SATA_PROMISE is not set
# CONFIG_SCSI_SATA_SX4 is not set
# CONFIG_SCSI_SATA_SIL is not set
# CONFIG_SCSI_SATA_SIL24 is not set
# CONFIG_SCSI_SATA_SIS is not set
# CONFIG_SCSI_SATA_ULI is not set
# CONFIG_SCSI_SATA_VIA is not set
# CONFIG_SCSI_SATA_VITESSE is not set
# CONFIG_SCSI_BUSLOGIC is not set
# CONFIG_SCSI_DMX3191D is not set
# CONFIG_SCSI_EATA is not set
```

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```
# CONFIG_SCSI_FUTURE_DOMAIN is not set
# CONFIG_SCSI_GDTH is not set
# CONFIG_SCSI_IPS is not set
# CONFIG_SCSI_INITIO is not set
# CONFIG_SCSI_INIA100 is not set
# CONFIG_SCSI_SYM53C8XX_2 is not set
# CONFIG_SCSI_IPR is not set
# CONFIG_SCSI_QLOGIC_1280 is not set
# CONFIG_SCSI_QLA_FC is not set
# CONFIG_SCSI_LPFC is not set
# CONFIG_SCSI_DC395x is not set
# CONFIG_SCSI_DC390T is not set
# CONFIG_SCSI_DEBUG is not set

#
# Multi-device support (RAID and LVM)
#
CONFIG_MD=y
# CONFIG_BLK_DEV_MD is not set
CONFIG_BLK_DEV_DM=y
CONFIG_DM_CRYPT=y
# CONFIG_DM_SNAPSHOT is not set
# CONFIG_DM_MIRROR is not set
# CONFIG_DM_ZERO is not set
# CONFIG_DM_MULTIPATH is not set

#
# Fusion MPT device support
#
CONFIG_FUSION=y
CONFIG_FUSION_SPI=y
# CONFIG_FUSION_FC is not set
# CONFIG_FUSION_SAS is not set
CONFIG_FUSION_MAX_SGE=128
CONFIG_FUSION_CTL=y

#
# IEEE 1394 (FireWire) support
#
CONFIG_IEEE1394=y

#
# Subsystem Options
#
# CONFIG_IEEE1394_VERBOSEDEBUG is not set
# CONFIG_IEEE1394_OUI_DB is not set
CONFIG_IEEE1394_EXTRA_CONFIG_ROMS=y
CONFIG_IEEE1394_CONFIG_ROM_IP1394=y
# CONFIG_IEEE1394_EXPORT_FULL_API is not set

#
```

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```
# Device Drivers
#
# CONFIG_IEEE1394_PCILYNX is not set
CONFIG_IEEE1394_OHCI1394=y

#
# Protocol Drivers
#
CONFIG_IEEE1394_VIDEO1394=m
CONFIG_IEEE1394_SBP2=y
CONFIG_IEEE1394_ETH1394=m
CONFIG_IEEE1394_DV1394=m
CONFIG_IEEE1394_RAWIO=y

#
# I2O device support
#
# CONFIG_I2O is not set

#
# Network device support
#
CONFIG_NETDEVICES=y
CONFIG_DUMMY=m
# CONFIG_BONDING is not set
# CONFIG_EQUALIZER is not set
CONFIG_TUN=y
# CONFIG_NET_SB1000 is not set

#
# ARCnet devices
#
# CONFIG_ARCNET is not set

#
# PHY device support
#
# CONFIG_PHYLIB is not set

#
# Ethernet (10 or 100Mbit)
#
CONFIG_NET_ETHERNET=y
# CONFIG_MII is not set
# CONFIG_HAPPYMEAL is not set
# CONFIG_SUNGEM is not set
# CONFIG_CASSINI is not set
# CONFIG_NET_VENDOR_3COM is not set

#
# Tulip family network device support
```

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```
#  
# CONFIG_NET_TULIP is not set  
# CONFIG_HP100 is not set  
CONFIG_NET_PCI=y  
# CONFIG_PCNET32 is not set  
# CONFIG_AMD8111_ETH is not set  
# CONFIG_ADAPTEC_STARFIRE is not set  
# CONFIG_B44 is not set  
CONFIG_FORCEDETH=y  
# CONFIG_DGRS is not set  
# CONFIG_EEPRO100 is not set  
# CONFIG_E100 is not set  
# CONFIG_FEALNX is not set  
# CONFIG_NATSEMI is not set  
# CONFIG_NE2K_PCI is not set  
# CONFIG_8139CP is not set  
# CONFIG_8139TOO is not set  
# CONFIG_SIS900 is not set  
# CONFIG_EPIC100 is not set  
# CONFIG_SUNDANCE is not set  
# CONFIG_VIA_RHINE is not set
```

```
#  
# Ethernet (1000 Mbit)  
#  
# CONFIG_ACENIC is not set  
# CONFIG_DL2K is not set  
# CONFIG_E1000 is not set  
# CONFIG_NS83820 is not set  
# CONFIG_HAMACHI is not set  
# CONFIG_YELLOWFIN is not set  
# CONFIG_R8169 is not set  
# CONFIG_SIS190 is not set  
# CONFIG_SKGE is not set  
# CONFIG_SKY2 is not set  
# CONFIG_SK98LIN is not set  
# CONFIG_VIA_VELOCITY is not set  
# CONFIG_TIGON3 is not set  
# CONFIG_BNX2 is not set
```

```
#  
# Ethernet (10000 Mbit)  
#  
# CONFIG_CHELSIO_T1 is not set  
# CONFIG_IXGB is not set  
# CONFIG_S2IO is not set  
# CONFIG_MYRI10GE is not set
```

```
#  
# Token Ring devices  
#
```

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```
# CONFIG_TR is not set

#
# Wireless LAN (non-hamradio)
#
# CONFIG_NET_RADIO is not set

#
# Wan interfaces
#
# CONFIG_WAN is not set
# CONFIG_FDDI is not set
# CONFIG_HIPPI is not set
CONFIG_PPP=m
# CONFIG_PPP_MULTILINK is not set
# CONFIG_PPP_FILTER is not set
# CONFIG_PPP_ASYNC is not set
# CONFIG_PPP_SYNC_TTY is not set
# CONFIG_PPP_DEFLATE is not set
# CONFIG_PPP_BSDCOMP is not set
# CONFIG_PPP_MPPE is not set
CONFIG_PPPOE=m
# CONFIG_SLIP is not set
# CONFIG_NET_FC is not set
# CONFIG_SHAPER is not set
# CONFIG_NETCONSOLE is not set
# CONFIG_NETPOLL is not set
# CONFIG_NET_POLL_CONTROLLER is not set

#
# ISDN subsystem
#
# CONFIG_ISDN is not set

#
# Telephony Support
#
# CONFIG_PHONE is not set

#
# Input device support
#
CONFIG_INPUT=y

#
# Userland interfaces
#
CONFIG_INPUT_MOUSEDEV=y
# CONFIG_INPUT_MOUSEDEV_PSAUX is not set
CONFIG_INPUT_MOUSEDEV_SCREEN_X=1280
CONFIG_INPUT_MOUSEDEV_SCREEN_Y=1024
```

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```
CONFIG_INPUT_JOYDEV=m
# CONFIG_INPUT_TSDEV is not set
CONFIG_INPUT_EVDEV=y
# CONFIG_INPUT_EVBUG is not set

#
# Input Device Drivers
#
CONFIG_INPUT_KEYBOARD=y
CONFIG_KEYBOARD_ATKBD=y
# CONFIG_KEYBOARD_SUNKBD is not set
# CONFIG_KEYBOARD_LKKBD is not set
# CONFIG_KEYBOARD_XTKBD is not set
# CONFIG_KEYBOARD_NEWTON is not set
CONFIG_INPUT_MOUSE=y
CONFIG_MOUSE_PS2=y
# CONFIG_MOUSE_SERIAL is not set
# CONFIG_MOUSE_VSXXXAA is not set
CONFIG_INPUT_JOYSTICK=y
CONFIG_JOYSTICK_ANALOG=m
# CONFIG_JOYSTICK_A3D is not set
# CONFIG_JOYSTICK_ADI is not set
# CONFIG_JOYSTICK_COBRA is not set
# CONFIG_JOYSTICK_GF2K is not set
# CONFIG_JOYSTICK_GRIP is not set
# CONFIG_JOYSTICK_GRIP_MP is not set
# CONFIG_JOYSTICK_GUILLEMOT is not set
# CONFIG_JOYSTICK_INTERACT is not set
# CONFIG_JOYSTICK_SIDEWINDER is not set
# CONFIG_JOYSTICK_TMDC is not set
# CONFIG_JOYSTICK_IFORCE is not set
# CONFIG_JOYSTICK_WARRIOR is not set
# CONFIG_JOYSTICK_MAGELLAN is not set
# CONFIG_JOYSTICK_SPACEORB is not set
# CONFIG_JOYSTICK_SPACEBALL is not set
# CONFIG_JOYSTICK_STINGER is not set
# CONFIG_JOYSTICK_TWIDJOY is not set
# CONFIG_JOYSTICK_JOYDUMP is not set
# CONFIG_INPUT_TOUCHSCREEN is not set
CONFIG_INPUT_MISC=y
CONFIG_INPUT_PCSPKR=y
CONFIG_INPUT_UINPUT=y

#
# Hardware I/O ports
#
CONFIG_SERIO=y
CONFIG_SERIO_I8042=y
CONFIG_SERIO_SERPORT=y
# CONFIG_SERIO_CT82C710 is not set
# CONFIG_SERIO_PCIPS2 is not set
```

Re: CD/DVD drive errors and lost ticks

```
CONFIG_SERIO_LIBPS2=y
CONFIG_SERIO_RAW=y
CONFIG_GAMEPORT=m
# CONFIG_GAMEPORT_NS558 is not set
# CONFIG_GAMEPORT_L4 is not set
# CONFIG_GAMEPORT_EMU10K1 is not set
# CONFIG_GAMEPORT_FM801 is not set

#
# Character devices
#
CONFIG_VT=y
CONFIG_VT_CONSOLE=y
CONFIG_HW_CONSOLE=y
# CONFIG_VT_HW_CONSOLE_BINDING is not set
# CONFIG_SERIAL_NONSTANDARD is not set

#
# Serial drivers
#
CONFIG_SERIAL_8250=y
# CONFIG_SERIAL_8250_CONSOLE is not set
CONFIG_SERIAL_8250_PCI=y
CONFIG_SERIAL_8250_PNP=y
CONFIG_SERIAL_8250_NR_UARTS=4
CONFIG_SERIAL_8250_RUNTIME_UARTS=4
# CONFIG_SERIAL_8250_EXTENDED is not set

#
# Non-8250 serial port support
#
CONFIG_SERIAL_CORE=y
# CONFIG_SERIAL_JSM is not set
CONFIG_UNIX98_PTYS=y
# CONFIG_LEGACY_PTYS is not set

#
# IPMI
#
# CONFIG_IPMI_HANDLER is not set

#
# Watchdog Cards
#
# CONFIG_WATCHDOG is not set
# CONFIG_HW_RANDOM is not set
CONFIG_NVRAM=y
CONFIG_RTC=y
# CONFIG_DTLK is not set
# CONFIG_R3964 is not set
# CONFIG_APPLICOM is not set
```

Re: CD/DVD drive errors and lost ticks

```
#
# Ftape, the floppy tape device driver
#
CONFIG_AGP=y
CONFIG_AGP_AMD64=y
# CONFIG_AGP_INTEL is not set
# CONFIG_AGP_SIS is not set
# CONFIG_AGP_VIA is not set
# CONFIG_DRM is not set
# CONFIG_MWAVE is not set
# CONFIG_PC8736x_GPIO is not set
# CONFIG_RAW_DRIVER is not set
CONFIG_HPET=y
# CONFIG_HPET_RTC_IRQ is not set
# CONFIG_HPET_MMAP is not set
CONFIG_HANGCHECK_TIMER=m

#
# TPM devices
#
# CONFIG_TCG_TPM is not set
# CONFIG_TELCLOCK is not set

#
# I2C support
#
CONFIG_I2C=y
CONFIG_I2C_CHARDEV=y

#
# I2C Algorithms
#
# CONFIG_I2C_ALGOBIT is not set
# CONFIG_I2C_ALGOPCF is not set
# CONFIG_I2C_ALGOPCA is not set

#
# I2C Hardware Bus support
#
# CONFIG_I2C_ALI1535 is not set
# CONFIG_I2C_ALI1563 is not set
# CONFIG_I2C_ALI15X3 is not set
# CONFIG_I2C_AMD756 is not set
# CONFIG_I2C_AMD8111 is not set
# CONFIG_I2C_I801 is not set
# CONFIG_I2C_I810 is not set
# CONFIG_I2C_PIIX4 is not set
CONFIG_I2C_ISA=y
CONFIG_I2C_NFORCE2=y
# CONFIG_I2C_OCORES is not set
```

Re: CD/DVD drive errors and lost ticks

```
# CONFIG_I2C_PARPORT_LIGHT is not set
# CONFIG_I2C_PROSAVAGE is not set
# CONFIG_I2C_SAVAGE4 is not set
# CONFIG_I2C_SIS5595 is not set
# CONFIG_I2C_SIS630 is not set
# CONFIG_I2C_SIS96X is not set
# CONFIG_I2C_STUB is not set
# CONFIG_I2C_VIA is not set
# CONFIG_I2C_VIAPRO is not set
# CONFIG_I2C_VOODOO3 is not set
# CONFIG_I2C_PCA_ISA is not set
```

```
#
# Miscellaneous I2C Chip support
#
# CONFIG_SENSORS_DS1337 is not set
# CONFIG_SENSORS_DS1374 is not set
CONFIG_SENSORS_EEPROM=y
# CONFIG_SENSORS_PCF8574 is not set
# CONFIG_SENSORS_PCA9539 is not set
# CONFIG_SENSORS_PCF8591 is not set
# CONFIG_SENSORS_MAX6875 is not set
# CONFIG_I2C_DEBUG_CORE is not set
# CONFIG_I2C_DEBUG_ALGO is not set
# CONFIG_I2C_DEBUG_BUS is not set
# CONFIG_I2C_DEBUG_CHIP is not set
```

```
#
# SPI support
#
# CONFIG_SPI is not set
# CONFIG_SPI_MASTER is not set
```

```
#
# Dallas's 1-wire bus
#
```

```
#
# Hardware Monitoring support
#
CONFIG_HWMON=y
# CONFIG_HWMON_VID is not set
# CONFIG_SENSORS_ABITUGURU is not set
# CONFIG_SENSORS_ADM1021 is not set
# CONFIG_SENSORS_ADM1025 is not set
# CONFIG_SENSORS_ADM1026 is not set
# CONFIG_SENSORS_ADM1031 is not set
# CONFIG_SENSORS_ADM9240 is not set
# CONFIG_SENSORS_ASB100 is not set
# CONFIG_SENSORS_ATXP1 is not set
# CONFIG_SENSORS_DS1621 is not set
```

Re: CD/DVD drive errors and lost ticks

```
# CONFIG_SENSORS_F71805F is not set
# CONFIG_SENSORS_F75375S is not set
# CONFIG_SENSORS_FSCHER is not set
# CONFIG_SENSORS_FSCPOS is not set
# CONFIG_SENSORS_GL518SM is not set
# CONFIG_SENSORS_GL520SM is not set
# CONFIG_SENSORS_IT87 is not set
# CONFIG_SENSORS_LM63 is not set
# CONFIG_SENSORS_LM75 is not set
# CONFIG_SENSORS_LM77 is not set
# CONFIG_SENSORS_LM78 is not set
# CONFIG_SENSORS_LM80 is not set
# CONFIG_SENSORS_LM83 is not set
# CONFIG_SENSORS_LM85 is not set
# CONFIG_SENSORS_LM87 is not set
# CONFIG_SENSORS_LM90 is not set
# CONFIG_SENSORS_LM92 is not set
# CONFIG_SENSORS_MAX1619 is not set
# CONFIG_SENSORS_PC87360 is not set
# CONFIG_SENSORS_SIS5595 is not set
# CONFIG_SENSORS_SMSC47M1 is not set
# CONFIG_SENSORS_SMSC47M192 is not set
CONFIG_SENSORS_SMSC47B397=y
# CONFIG_SENSORS_VIA686A is not set
# CONFIG_SENSORS_VT8231 is not set
# CONFIG_SENSORS_W83781D is not set
# CONFIG_SENSORS_W83791D is not set
# CONFIG_SENSORS_W83792D is not set
# CONFIG_SENSORS_W83L785TS is not set
# CONFIG_SENSORS_W83627HF is not set
# CONFIG_SENSORS_W83627EHF is not set
# CONFIG_SENSORS_HDAPS is not set
# CONFIG_HWMON_DEBUG_CHIP is not set

#
# Misc devices
#
# CONFIG_IBM_ASM is not set

#
# Multimedia devices
#
CONFIG_VIDEO_DEV=y
# CONFIG_VIDEO_V4L1 is not set
# CONFIG_VIDEO_V4L1_COMPAT is not set
CONFIG_VIDEO_V4L2=y

#
# Video Capture Adapters
#
```

Re: CD/DVD drive errors and lost ticks

```
#
# Video Capture Adapters
#
# CONFIG_VIDEO_ADV_DEBUG is not set
# CONFIG_VIDEO_VIVI is not set
# CONFIG_VIDEO_SAA7134 is not set
# CONFIG_VIDEO_CX88 is not set

#
# Encoders and Decoders
#
# CONFIG_VIDEO_MSP3400 is not set
# CONFIG_VIDEO_CS53L32A is not set
# CONFIG_VIDEO_TLV320AIC23B is not set
# CONFIG_VIDEO_WM8775 is not set
# CONFIG_VIDEO_WM8739 is not set
# CONFIG_VIDEO_CX2341X is not set
# CONFIG_VIDEO_CX25840 is not set
# CONFIG_VIDEO_SAA711X is not set
# CONFIG_VIDEO_SAA7127 is not set
# CONFIG_VIDEO_UPD64031A is not set
# CONFIG_VIDEO_UPD64083 is not set

#
# V4L USB devices
#
# CONFIG_VIDEO_PVRUSB2 is not set

#
# Radio Adapters
#

#
# Digital Video Broadcasting Devices
#
# CONFIG_DVB is not set
# CONFIG_USB_DABUSB is not set

#
# Graphics support
#
CONFIG_FIRMWARE_EDID=y
CONFIG_FB=y
CONFIG_FB_CFB_FILLRECT=y
CONFIG_FB_CFB_COPYAREA=y
CONFIG_FB_CFB_IMAGEBLIT=y
# CONFIG_FB_MACMODES is not set
# CONFIG_FB_BACKLIGHT is not set
CONFIG_FB_MODE_HELPERS=y
# CONFIG_FB_TILEBLITTING is not set
# CONFIG_FB_CIRRUS is not set
```

Re: CD/DVD drive errors and lost ticks

```
# CONFIG_FB_PM2 is not set
# CONFIG_FB_CYBER2000 is not set
# CONFIG_FB_ARC is not set
# CONFIG_FB_ASILANT is not set
# CONFIG_FB_IMSTT is not set
# CONFIG_FB_VGA16 is not set
CONFIG_FB_VESA=y
# CONFIG_FB_HGA is not set
# CONFIG_FB_S1D13XXX is not set
# CONFIG_FB_NVIDIA is not set
# CONFIG_FB_RIVA is not set
# CONFIG_FB_INTEL is not set
# CONFIG_FB_MATROX is not set
# CONFIG_FB_RADEON is not set
# CONFIG_FB_ATY128 is not set
# CONFIG_FB_ATY is not set
# CONFIG_FB_SAVAGE is not set
# CONFIG_FB_SIS is not set
# CONFIG_FB_NEOMAGIC is not set
# CONFIG_FB_KYRO is not set
# CONFIG_FB_3DFX is not set
# CONFIG_FB_VOODOO1 is not set
# CONFIG_FB_TRIDENT is not set
# CONFIG_FB_GEODE is not set
# CONFIG_FB_VIRTUAL is not set

#
# Console display driver support
#
CONFIG_VGA_CONSOLE=y
# CONFIG_VGACON_SOFT_SCROLLBACK is not set
CONFIG_VIDEO_SELECT=y
CONFIG_DUMMY_CONSOLE=y
CONFIG_FRAMEBUFFER_CONSOLE=y
# CONFIG_FRAMEBUFFER_CONSOLE_ROTATION is not set
# CONFIG FONTS is not set
CONFIG_FONT_8x8=y
CONFIG_FONT_8x16=y

#
# Logo configuration
#
# CONFIG_LOGO is not set
# CONFIG_BACKLIGHT_LCD_SUPPORT is not set

#
# Sound
#
CONFIG_SOUND=y

#
```

Re: CD/DVD drive errors and lost ticks

```
# Advanced Linux Sound Architecture
#
CONFIG_SND=y
CONFIG_SND_TIMER=y
CONFIG_SND_PCM=y
CONFIG_SND_HWDEP=y
CONFIG_SND_RAWMIDI=y
CONFIG_SND_SEQUENCER=y
CONFIG_SND_SEQ_DUMMY=m
CONFIG_SND_OSSEMUL=y
CONFIG_SND_MIXER_OSS=m
CONFIG_SND_PCM_OSS=m
CONFIG_SND_PCM_OSS_PLUGINS=y
# CONFIG_SND_SEQUENCER_OSS is not set
CONFIG_SND_RTCTIMER=y
CONFIG_SND_SEQ_RTCTIMER_DEFAULT=y
# CONFIG_SND_DYNAMIC_MINORS is not set
CONFIG_SND_SUPPORT_OLD_API=y
# CONFIG_SND_VERBOSE_PROCFS is not set
# CONFIG_SND_VERBOSE_PRINTK is not set
# CONFIG_SND_DEBUG is not set

#
# Generic devices
#
CONFIG_SND_MPU401_UART=y
CONFIG_SND_AC97_CODEC=y
CONFIG_SND_AC97_BUS=y
# CONFIG_SND_DUMMY is not set
# CONFIG_SND_VIRMIDI is not set
# CONFIG_SND_MTPAV is not set
# CONFIG_SND_SERIAL_U16550 is not set
# CONFIG_SND_MPU401 is not set

#
# PCI devices
#
# CONFIG_SND_AD1889 is not set
# CONFIG_SND_ALS300 is not set
# CONFIG_SND_ALS4000 is not set
# CONFIG_SND_ALI5451 is not set
# CONFIG_SND_ATIIXP is not set
# CONFIG_SND_ATIIXP_MODEM is not set
# CONFIG_SND_AU8810 is not set
# CONFIG_SND_AU8820 is not set
# CONFIG_SND_AU8830 is not set
# CONFIG_SND_AZT3328 is not set
# CONFIG_SND_BT87X is not set
# CONFIG_SND_CA0106 is not set
# CONFIG_SND_CMIPCI is not set
# CONFIG_SND_CS4281 is not set
```

Re: CD/DVD drive errors and lost ticks

```
# CONFIG_SND_CS46XX is not set
# CONFIG_SND_DARLA20 is not set
# CONFIG_SND_GINA20 is not set
# CONFIG_SND_LAYLA20 is not set
# CONFIG_SND_DARLA24 is not set
# CONFIG_SND_GINA24 is not set
# CONFIG_SND_LAYLA24 is not set
# CONFIG_SND_MONA is not set
# CONFIG_SND_MIA is not set
# CONFIG_SND_ECHO3G is not set
# CONFIG_SND_INDIGO is not set
# CONFIG_SND_INDIGOIO is not set
# CONFIG_SND_INDIGODJ is not set
# CONFIG_SND_EMU10K1 is not set
# CONFIG_SND_EMU10K1X is not set
# CONFIG_SND_ENS1370 is not set
# CONFIG_SND_ENS1371 is not set
# CONFIG_SND_ES1938 is not set
# CONFIG_SND_ES1968 is not set
# CONFIG_SND_FM801 is not set
# CONFIG_SND_HDA_INTEL is not set
# CONFIG_SND_HDSP is not set
# CONFIG_SND_HDSPM is not set
# CONFIG_SND_ICE1712 is not set
CONFIG_SND_ICE1724=y
CONFIG_SND_INTEL8X0=y
# CONFIG_SND_INTEL8X0M is not set
# CONFIG_SND_KORG1212 is not set
# CONFIG_SND_MAESTRO3 is not set
# CONFIG_SND_MIXART is not set
# CONFIG_SND_NM256 is not set
# CONFIG_SND_PCXHR is not set
# CONFIG_SND_RIPTIDE is not set
# CONFIG_SND_RME32 is not set
# CONFIG_SND_RME96 is not set
# CONFIG_SND_RME9652 is not set
# CONFIG_SND_SONICVIBES is not set
# CONFIG_SND_TRIDENT is not set
# CONFIG_SND_VIA82XX is not set
# CONFIG_SND_VIA82XX_MODEM is not set
# CONFIG_SND_VX222 is not set
# CONFIG_SND_YMFPCI is not set

#
# USB devices
#
CONFIG_SND_USB_AUDIO=y
# CONFIG_SND_USB_USX2Y is not set

#
# Open Sound System
```

Re: CD/DVD drive errors and lost ticks

```
#
# CONFIG_SOUND_PRIME is not set

#
# USB support
#
CONFIG_USB_ARCH_HAS_HCD=y
CONFIG_USB_ARCH_HAS_OHCI=y
CONFIG_USB_ARCH_HAS_EHCI=y
CONFIG_USB=y
# CONFIG_USB_DEBUG is not set

#
# Miscellaneous USB options
#
CONFIG_USB_DEVICEFS=y
# CONFIG_USB_BANDWIDTH is not set
# CONFIG_USB_DYNAMIC_MINORS is not set
# CONFIG_USB_SUSPEND is not set
# CONFIG_USB_OTG is not set

#
# USB Host Controller Drivers
#
CONFIG_USB_EHCI_HCD=y
# CONFIG_USB_EHCI_SPLIT_ISO is not set
# CONFIG_USB_EHCI_ROOT_HUB_TT is not set
# CONFIG_USB_EHCI_TT_NEWSCHED is not set
# CONFIG_USB_ISP116X_HCD is not set
CONFIG_USB_OHCI_HCD=y
# CONFIG_USB_OHCI_BIG_ENDIAN is not set
CONFIG_USB_OHCI_LITTLE_ENDIAN=y
# CONFIG_USB_UHCI_HCD is not set
# CONFIG_USB_SL811_HCD is not set

#
# USB Device Class drivers
#
# CONFIG_USB_ACM is not set
# CONFIG_USB_PRINTER is not set

#
# NOTE: USB_STORAGE enables SCSI, and 'SCSI disk support'
#

#
# may also be needed; see USB_STORAGE Help for more information
#
CONFIG_USB_STORAGE=y
# CONFIG_USB_STORAGE_DEBUG is not set
# CONFIG_USB_STORAGE_DATAFAB is not set
```

Re: CD/DVD drive errors and lost ticks

```
# CONFIG_USB_STORAGE_FREECOM is not set
# CONFIG_USB_STORAGE_ISD200 is not set
# CONFIG_USB_STORAGE_DPCM is not set
# CONFIG_USB_STORAGE_USBAT is not set
# CONFIG_USB_STORAGE_SDDR09 is not set
# CONFIG_USB_STORAGE_SDDR55 is not set
# CONFIG_USB_STORAGE_JUMPSHOT is not set
# CONFIG_USB_STORAGE_ALAUDA is not set
# CONFIG_USB_LIBUSUAL is not set

#
# USB Input Devices
#
CONFIG_USB_HID=y
CONFIG_USB_HIDINPUT=y
# CONFIG_USB_HIDINPUT_POWERBOOK is not set
# CONFIG_HID_FF is not set
CONFIG_USB_HIDDEV=y
# CONFIG_USB_AIPTEK is not set
# CONFIG_USB_WACOM is not set
# CONFIG_USB_ACECAD is not set
# CONFIG_USB_KBTAB is not set
# CONFIG_USB_POWERMATE is not set
# CONFIG_USB_TOUCHSCREEN is not set
# CONFIG_USB_YEALINK is not set
# CONFIG_USB_XPAD is not set
# CONFIG_USB_ATI_REMOTE is not set
# CONFIG_USB_ATI_REMOTE2 is not set
# CONFIG_USB_KEYSPAN_REMOTE is not set
# CONFIG_USB_APPLETOUCH is not set

#
# USB Imaging devices
#
# CONFIG_USB_MDC800 is not set
# CONFIG_USB_MICROTEK is not set

#
# USB Network Adapters
#
# CONFIG_USB_CATC is not set
# CONFIG_USB_KAWETH is not set
# CONFIG_USB_PEGASUS is not set
# CONFIG_USB_RTL8150 is not set
# CONFIG_USB_USBNET is not set
# CONFIG_USB_MON is not set

#
# USB port drivers
#
```

Re: CD/DVD drive errors and lost ticks

```
#
# USB Serial Converter support
#
# CONFIG_USB_SERIAL is not set

#
# USB Miscellaneous drivers
#
# CONFIG_USB_EMI62 is not set
# CONFIG_USB_EMI26 is not set
# CONFIG_USB_AUERSWALD is not set
# CONFIG_USB_RIO500 is not set
# CONFIG_USB_LEGOTOWER is not set
# CONFIG_USB_LCD is not set
# CONFIG_USB_LED is not set
# CONFIG_USB_CYPRESS_CY7C63 is not set
# CONFIG_USB_CYTHERM is not set
# CONFIG_USB_PHIDGETKIT is not set
# CONFIG_USB_PHIDGETSERVO is not set
# CONFIG_USB_IDMOUSE is not set
# CONFIG_USB_APPLIEDISPLAY is not set
# CONFIG_USB_SISUSBVGA is not set
# CONFIG_USB_LD is not set
# CONFIG_USB_TEST is not set

#
# USB DSL modem support
#

#
# USB Gadget Support
#
# CONFIG_USB_GADGET is not set

#
# MMC/SD Card support
#
# CONFIG_MMC is not set

#
# LED devices
#
# CONFIG_NEW_LEDS is not set

#
# LED drivers
#

#
# LED Triggers
#
```

Re: CD/DVD drive errors and lost ticks

```
#
# InfiniBand support
#
# CONFIG_INFINIBAND is not set
# CONFIG_IPATH_CORE is not set

#
# EDAC – error detection and reporting (RAS) (EXPERIMENTAL)
#
CONFIG_EDAC=m

#
# Reporting subsystems
#
# CONFIG_EDAC_DEBUG is not set
CONFIG_EDAC_MM_EDAC=m
# CONFIG_EDAC_E752X is not set
CONFIG_EDAC_K8=m
# CONFIG_EDAC_I5000 is not set
CONFIG_EDAC_POLL=y

#
# Real Time Clock
#
# CONFIG_RTC_CLASS is not set

#
# DMA Engine support
#
CONFIG_DMA_ENGINE=y

#
# DMA Clients
#
CONFIG_NET_DMA=y

#
# DMA Devices
#
CONFIG_INTEL_IOATDMA=m

#
# Firmware Drivers
#
# CONFIG_EDD is not set
# CONFIG_DELL_RBU is not set
# CONFIG_DCDBAS is not set

#
# File systems
```

Re: CD/DVD drive errors and lost ticks

```
#
CONFIG_EXT2_FS=m
CONFIG_EXT2_FS_XATTR=y
CONFIG_EXT2_FS_POSIX_ACL=y
CONFIG_EXT2_FS_SECURITY=y
CONFIG_EXT2_FS_XIP=y
CONFIG_FS_XIP=y
CONFIG_EXT3_FS=y
CONFIG_EXT3_FS_XATTR=y
CONFIG_EXT3_FS_POSIX_ACL=y
CONFIG_EXT3_FS_SECURITY=y
CONFIG_JBD=y
# CONFIG_JBD_DEBUG is not set
CONFIG_FS_MBCACHE=y
CONFIG_REISERFS_FS=m
# CONFIG_REISERFS_CHECK is not set
# CONFIG_REISERFS_PROC_INFO is not set
CONFIG_REISERFS_FS_XATTR=y
CONFIG_REISERFS_FS_POSIX_ACL=y
CONFIG_REISERFS_FS_SECURITY=y
CONFIG_JFS_FS=m
CONFIG_JFS_POSIX_ACL=y
CONFIG_JFS_SECURITY=y
# CONFIG_JFS_DEBUG is not set
# CONFIG_JFS_STATISTICS is not set
CONFIG_FS_POSIX_ACL=y
CONFIG_XFS_FS=m
CONFIG_XFS_QUOTA=y
CONFIG_XFS_SECURITY=y
CONFIG_XFS_POSIX_ACL=y
# CONFIG_XFS_RT is not set
# CONFIG_OCFS2_FS is not set
CONFIG_MINIX_FS=m
CONFIG_ROMFS_FS=m
CONFIG_INOTIFY=y
CONFIG_INOTIFY_USER=y
CONFIG_QUOTA=y
# CONFIG_QFMT_V1 is not set
CONFIG_QFMT_V2=y
CONFIG_QUOTACTL=y
CONFIG_DNOTIFY=y
# CONFIG_AUTOFS_FS is not set
CONFIG_AUTOFS4_FS=m
# CONFIG_FUSE_FS is not set

#
# CD-ROM/DVD Filesystems
#
CONFIG_ISO9660_FS=y
CONFIG_JOLIET=y
CONFIG_ZISOFS=y
```

Re: CD/DVD drive errors and lost ticks

```
CONFIG_ZISOFS_FS=y
CONFIG_UDF_FS=y
CONFIG_UDF_NLS=y

#
# DOS/FAT/NT Filesystems
#
CONFIG_FAT_FS=m
CONFIG_MSDOS_FS=m
CONFIG_VFAT_FS=m
CONFIG_FAT_DEFAULT_CODEPAGE=437
CONFIG_FAT_DEFAULT_IOCHARSET="iso8859-1"
CONFIG_NTFS_FS=m
# CONFIG_NTFS_DEBUG is not set
# CONFIG_NTFS_RW is not set

#
# Pseudo filesystems
#
CONFIG_PROC_FS=y
CONFIG_PROC_KCORE=y
CONFIG_SYSFS=y
CONFIG_TMPFS=y
# CONFIG_HUGETLBFS is not set
# CONFIG_HUGETLB_PAGE is not set
CONFIG_RAMFS=y
# CONFIG_CONFIGFS_FS is not set

#
# Miscellaneous filesystems
#
# CONFIG_ADFS_FS is not set
# CONFIG_AFFS_FS is not set
# CONFIG_ASFS_FS is not set
# CONFIG_HFS_FS is not set
CONFIG_HFSPLUS_FS=m
# CONFIG_BEFS_FS is not set
# CONFIG_BFS_FS is not set
# CONFIG_EFS_FS is not set
CONFIG_CRAMFS=m
CONFIG_VXFS_FS=m
CONFIG_HPFS_FS=m
CONFIG_QNX4FS_FS=m
CONFIG_SYSV_FS=m
CONFIG_UFS_FS=m
# CONFIG_UFS_FS_WRITE is not set
# CONFIG_UFS_DEBUG is not set

#
# Network File Systems
#
```

Re: CD/DVD drive errors and lost ticks

```
CONFIG_NFS_FS=m
CONFIG_NFS_V3=y
CONFIG_NFS_V3_ACL=y
# CONFIG_NFS_V4 is not set
# CONFIG_NFS_DIRECTIO is not set
CONFIG_NFSD=m
CONFIG_NFSD_V2_ACL=y
CONFIG_NFSD_V3=y
CONFIG_NFSD_V3_ACL=y
# CONFIG_NFSD_V4 is not set
CONFIG_NFSD_TCP=y
CONFIG_LOCKD=m
CONFIG_LOCKD_V4=y
CONFIG_EXPORTFS=m
CONFIG_NFS_ACL_SUPPORT=m
CONFIG_NFS_COMMON=y
CONFIG_SUNRPC=m
# CONFIG_RPCSEC_GSS_KRB5 is not set
# CONFIG_RPCSEC_GSS_SPKM3 is not set
CONFIG_SMB_FS=m
# CONFIG_SMB_NLS_DEFAULT is not set
CONFIG_CIFS=m
# CONFIG_CIFS_STATS is not set
# CONFIG_CIFS_WEAK_PW_HASH is not set
# CONFIG_CIFS_XATTR is not set
# CONFIG_CIFS_DEBUG2 is not set
# CONFIG_CIFS_EXPERIMENTAL is not set
CONFIG_NCP_FS=m
CONFIG_NCPFS_PACKET_SIGNING=y
CONFIG_NCPFS_IOCTL_LOCKING=y
CONFIG_NCPFS_STRONG=y
CONFIG_NCPFS_NFS_NS=y
CONFIG_NCPFS_OS2_NS=y
# CONFIG_NCPFS_SMALLDOS is not set
CONFIG_NCPFS_NLS=y
CONFIG_NCPFS_EXTRAS=y
CONFIG_CODA_FS=m
# CONFIG_CODA_FS_OLD_API is not set
# CONFIG_AFS_FS is not set
# CONFIG_9P_FS is not set

#
# Partition Types
#
CONFIG_PARTITION_ADVANCED=y
CONFIG_ACORN_PARTITION=y
CONFIG_ACORN_PARTITION_CUMANA=y
CONFIG_ACORN_PARTITION_EESOX=y
CONFIG_ACORN_PARTITION_ICS=y
CONFIG_ACORN_PARTITION_ADFS=y
CONFIG_ACORN_PARTITION_POWERTEC=y
```

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```
CONFIG_ACORN_PARTITION_RISCIX=y
CONFIG_OSF_PARTITION=y
CONFIG_AMIGA_PARTITION=y
CONFIG_ATARI_PARTITION=y
CONFIG_MAC_PARTITION=y
CONFIG_MSDOS_PARTITION=y
CONFIG_BSD_DISKLABEL=y
CONFIG_MINIX_SUBPARTITION=y
CONFIG_SOLARIS_X86_PARTITION=y
CONFIG_UNIXWARE_DISKLABEL=y
CONFIG_LDM_PARTITION=y
# CONFIG_LDM_DEBUG is not set
CONFIG_SGI_PARTITION=y
CONFIG_ULTRIX_PARTITION=y
CONFIG_SUN_PARTITION=y
# CONFIG_KARMA_PARTITION is not set
CONFIG_EFI_PARTITION=y

#
# Native Language Support
#
CONFIG_NLS=y
CONFIG_NLS_DEFAULT="utf8"
CONFIG_NLS_CODEPAGE_437=m
CONFIG_NLS_CODEPAGE_737=m
CONFIG_NLS_CODEPAGE_775=m
CONFIG_NLS_CODEPAGE_850=m
CONFIG_NLS_CODEPAGE_852=m
CONFIG_NLS_CODEPAGE_855=m
CONFIG_NLS_CODEPAGE_857=m
CONFIG_NLS_CODEPAGE_860=m
CONFIG_NLS_CODEPAGE_861=m
CONFIG_NLS_CODEPAGE_862=m
CONFIG_NLS_CODEPAGE_863=m
CONFIG_NLS_CODEPAGE_864=m
CONFIG_NLS_CODEPAGE_865=m
CONFIG_NLS_CODEPAGE_866=m
CONFIG_NLS_CODEPAGE_869=m
CONFIG_NLS_CODEPAGE_936=m
CONFIG_NLS_CODEPAGE_950=m
CONFIG_NLS_CODEPAGE_932=m
CONFIG_NLS_CODEPAGE_949=m
CONFIG_NLS_CODEPAGE_874=m
CONFIG_NLS_ISO8859_8=m
CONFIG_NLS_CODEPAGE_1250=m
CONFIG_NLS_CODEPAGE_1251=m
CONFIG_NLS_ASCII=m
CONFIG_NLS_ISO8859_1=m
CONFIG_NLS_ISO8859_2=m
CONFIG_NLS_ISO8859_3=m
CONFIG_NLS_ISO8859_4=m
```

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```
CONFIG_NLS_ISO8859_5=m
CONFIG_NLS_ISO8859_6=m
CONFIG_NLS_ISO8859_7=m
CONFIG_NLS_ISO8859_9=m
CONFIG_NLS_ISO8859_13=m
CONFIG_NLS_ISO8859_14=m
CONFIG_NLS_ISO8859_15=m
CONFIG_NLS_KOI8_R=m
CONFIG_NLS_KOI8_U=m
CONFIG_NLS_UTF8=m

#
# Instrumentation Support
#
# CONFIG_PROFILING is not set
# CONFIG_KPROBES is not set

#
# Kernel hacking
#
CONFIG_TRACE_IRQFLAGS_SUPPORT=y
# CONFIG_PRINTK_TIME is not set
# CONFIG_MAGIC_SYSRQ is not set
# CONFIG_UNUSED_SYMBOLS is not set
# CONFIG_DEBUG_KERNEL is not set
CONFIG_LOG_BUF_SHIFT=15
# CONFIG_DEBUG_FS is not set
# CONFIG_UNWIND_INFO is not set

#
# Security options
#
CONFIG_KEYS=y
# CONFIG_KEYS_DEBUG_PROC_KEYS is not set
CONFIG_SECURITY=y
# CONFIG_SECURITY_NETWORK is not set
CONFIG_SECURITY_CAPABILITIES=y
# CONFIG_SECURITY_ROOTPLUG is not set

#
# Cryptographic options
#
CONFIG_CRYPT=y
CONFIG_CRYPT_HMAC=y
CONFIG_CRYPT_NULL=m
CONFIG_CRYPT_MD4=m
CONFIG_CRYPT_MD5=y
CONFIG_CRYPT_SHA1=y
CONFIG_CRYPT_SHA256=m
CONFIG_CRYPT_SHA512=y
CONFIG_CRYPT_WP512=m
```

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```
CONFIG_CRYPTO_TGR192=m
CONFIG_CRYPTO_DES=y
CONFIG_CRYPTO_BLOWFISH=m
CONFIG_CRYPTO_TWOFISH=y
CONFIG_CRYPTO_SERPENT=y
CONFIG_CRYPTO_AES=y
CONFIG_CRYPTO_AES_X86_64=y
CONFIG_CRYPTO_CAST5=m
CONFIG_CRYPTO_CAST6=m
CONFIG_CRYPTO_TEA=m
CONFIG_CRYPTO_ARC4=m
CONFIG_CRYPTO_KHAZAD=m
CONFIG_CRYPTO_ANUBIS=m
CONFIG_CRYPTO_DEFLATE=y
CONFIG_CRYPTO_MICHAEL_MIC=m
CONFIG_CRYPTO_CRC32C=m
CONFIG_CRYPTO_TEST=m
```

```
#
# Hardware crypto devices
#
```

```
#
# Library routines
#
```

```
CONFIG_CRC_CCITT=m
CONFIG_CRC16=m
CONFIG_CRC32=y
CONFIG_LIBCRC32C=m
CONFIG_ZLIB_INFLATE=y
CONFIG_ZLIB_DEFLATE=y
CONFIG_PLIST=y
```

dmesg:

```
Bootdata ok (command line is root=/dev/sda1 ro snd-ice1724.index=0
snd-intel8x0.index=1 )
Linux version 2.6.18 () (root@euler) (gcc version 4.1.2 20061028
(prerelease) (Debian 4.1.1-19)) #1 SMP PREEMPT Fri Nov 10 01:18:51 CET 2006
BIOS-provided physical RAM map:
BIOS-e820: 0000000000000000 - 000000000009b000 (usable)
BIOS-e820: 000000000009b000 - 00000000000a0000 (reserved)
BIOS-e820: 00000000000da000 - 0000000000100000 (reserved)
BIOS-e820: 0000000000100000 - 000000007ff80000 (usable)
BIOS-e820: 000000007ff80000 - 000000007ff91000 (ACPI data)
BIOS-e820: 000000007ff91000 - 0000000080000000 (ACPI NVS)
BIOS-e820: 0000000080000000 - 000000009ff80000 (usable)
BIOS-e820: 000000009ff80000 - 00000000a0000000 (reserved)
BIOS-e820: 00000000e0000000 - 00000000f0000000 (reserved)
```

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BIOS-e820: 00000000fec00000 – 00000000fec00400 (reserved)  
BIOS-e820: 00000000fee00000 – 00000000fee01000 (reserved)  
BIOS-e820: 00000000fff80000 – 0000000100000000 (reserved)  
DMI present.  
ACPI: RSDP (v000 PTLTD ) @  
0x000000000000f78f0  
ACPI: RSDT (v001 PTLTD RSDT 0x06040000 LTP 0x00000000) @  
0x000000007ff8b258  
ACPI: FADT (v001 NVIDIA CK8S 0x06040000 PTL\_ 0x000f4240) @  
0x000000007ff90b06  
ACPI: SPCR (v001 PTLTD \$UCRTBL\$ 0x06040000 PTL 0x00000001) @  
0x000000007ff90b7a  
ACPI: MADT (v001 PTLTD APIC 0x06040000 LTP 0x00000000) @  
0x000000007ff90bca  
ACPI: BOOT (v001 PTLTD \$SBFTBL\$ 0x06040000 LTP 0x00000001) @  
0x000000007ff90c68  
ACPI: SSDT (v001 PTLTD POWERNOW 0x06040000 LTP 0x00000001) @  
0x000000007ff90c90  
ACPI: DSDT (v001 NVIDIA CK8 0x06040000 MSFT 0x0100000e) @  
0x0000000000000000  
Scanning NUMA topology in Northbridge 24  
Number of nodes 2  
Node 0 using interleaving mode 1/0  
No NUMA configuration found  
Faking a node at 0000000000000000–000000009ff80000  
Bootmem setup node 0 0000000000000000–000000009ff80000  
On node 0 totalpages: 644782  
DMA zone: 2676 pages, LIFO batch:0  
DMA32 zone: 642106 pages, LIFO batch:31  
Nvidia board detected. Ignoring ACPI timer override.  
ACPI: PM-Timer IO Port: 0x8008  
ACPI: Local APIC address 0xfe00000  
ACPI: LAPIC (acpi\_id[0x00] lapic\_id[0x00] enabled)  
Processor #0 15:1 APIC version 16  
ACPI: LAPIC (acpi\_id[0x01] lapic\_id[0x01] enabled)  
Processor #1 15:1 APIC version 16  
ACPI: LAPIC (acpi\_id[0x02] lapic\_id[0x02] enabled)  
Processor #2 15:1 APIC version 16  
ACPI: LAPIC (acpi\_id[0x03] lapic\_id[0x03] enabled)  
Processor #3 15:1 APIC version 16  
ACPI: LAPIC\_NMI (acpi\_id[0x00] high edge lint[0x1])  
ACPI: LAPIC\_NMI (acpi\_id[0x01] high edge lint[0x1])  
ACPI: LAPIC\_NMI (acpi\_id[0x02] high edge lint[0x1])  
ACPI: LAPIC\_NMI (acpi\_id[0x03] high edge lint[0x1])  
ACPI: IOAPIC (id[0x04] address[0xfec00000] gsi\_base[0])  
IOAPIC[0]: apic\_id 4, version 17, address 0xfec00000, GSI 0–23  
ACPI: IOAPIC (id[0x05] address[0xd0000000] gsi\_base[24])  
IOAPIC[1]: apic\_id 5, version 17, address 0xd0000000, GSI 24–27  
ACPI: IOAPIC (id[0x06] address[0xd0001000] gsi\_base[28])  
IOAPIC[2]: apic\_id 6, version 17, address 0xd0001000, GSI 28–31  
ACPI: IOAPIC (id[0x07] address[0xd0800000] gsi\_base[32])

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IOAPIC[3]: apic\_id 7, version 17, address 0xd0800000, GSI 32-55  
ACPI: INT\_SRC\_OVR (bus 0 bus\_irq 9 global\_irq 9 low level)  
ACPI: IRQ9 used by override.  
Setting APIC routing to flat  
Using ACPI (MADT) for SMP configuration information  
Allocating PCI resources starting at a4000000 (gap: a0000000:40000000)  
Built 1 zonelists. Total pages: 644782  
Kernel command line: root=/dev/sda1 ro snd-ice1724.index=0  
snd-intel8x0.index=1  
Initializing CPU#0  
PID hash table entries: 4096 (order: 12, 32768 bytes)  
Disabling vsyscall due to use of PM timer  
time.c: Using 3.579545 MHz WALL PM GTOD PM timer.  
time.c: Detected 2210.224 MHz processor.  
Console: colour VGA+ 80x25  
Dentry cache hash table entries: 524288 (order: 10, 4194304 bytes)  
Inode-cache hash table entries: 262144 (order: 9, 2097152 bytes)  
Checking aperture...  
CPU 0: aperture @ ac000000 size 64 MB  
CPU 1: aperture @ ac000000 size 64 MB  
Memory: 2572708k/2620928k available (3007k kernel code, 47304k reserved,  
1245k data, 216k init)  
Calibrating delay using timer specific routine.. 4422.26 BogoMIPS  
(lpj=2211133)  
Security Framework v1.0.0 initialized  
Capability LSM initialized  
Mount-cache hash table entries: 256  
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)  
CPU: L2 Cache: 1024K (64 bytes/line)  
CPU 0/0 -> Node 0  
CPU: Physical Processor ID: 0  
CPU: Processor Core ID: 0  
Freeing SMP alternatives: 32k freed  
ACPI: Core revision 20060707  
spurious 8259A interrupt: IRQ7.  
Using local APIC timer interrupts.  
result 12558091  
Detected 12.558 MHz APIC timer.  
Booting processor 1/4 APIC 0x1  
Initializing CPU#1  
Calibrating delay using timer specific routine.. 4419.72 BogoMIPS  
(lpj=2209861)  
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)  
CPU: L2 Cache: 1024K (64 bytes/line)  
CPU 1/1 -> Node 0  
CPU: Physical Processor ID: 0  
CPU: Processor Core ID: 1  
Dual Core AMD Opteron(tm) Processor 275 stepping 02  
CPU 1: Syncing TSC to CPU 0.  
CPU 1: synchronized TSC with CPU 0 (last diff 2 cycles, maxerr 581 cycles)  
Booting processor 2/4 APIC 0x2

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Initializing CPU#2  
Calibrating delay using timer specific routine.. 4419.79 BogoMIPS  
(lpj=2209897)  
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)  
CPU: L2 Cache: 1024K (64 bytes/line)  
CPU 2/2 -> Node 0  
CPU: Physical Processor ID: 1  
CPU: Processor Core ID: 0  
Dual Core AMD Opteron(tm) Processor 275 stepping 02  
CPU 2: Syncing TSC to CPU 0.  
CPU 2: synchronized TSC with CPU 0 (last diff -118 cycles, maxerr 1098  
cycles)  
Booting processor 3/4 APIC 0x3  
Initializing CPU#3  
Calibrating delay using timer specific routine.. 4419.79 BogoMIPS  
(lpj=2209898)  
CPU: L1 I Cache: 64K (64 bytes/line), D cache 64K (64 bytes/line)  
CPU: L2 Cache: 1024K (64 bytes/line)  
CPU 3/3 -> Node 0  
CPU: Physical Processor ID: 1  
CPU: Processor Core ID: 1  
Dual Core AMD Opteron(tm) Processor 275 stepping 02  
CPU 3: Syncing TSC to CPU 0.  
CPU 3: synchronized TSC with CPU 0 (last diff -130 cycles, maxerr 1087  
cycles)  
Brought up 4 CPUs  
testing NMI watchdog ... OK.  
migration\_cost=400  
NET: Registered protocol family 16  
ACPI: bus type pci registered  
PCI: Using configuration type 1  
ACPI: Interpreter enabled  
ACPI: Using IOAPIC for interrupt routing  
ACPI: PCI Root Bridge [PCI0] (0000:00)  
PCI: Probing PCI hardware (bus 00)  
ACPI: Assume root bridge [\_SB\_.PCI0] bus is 0  
PCI: Transparent bridge - 0000:00:09.0  
Boot video device is 0000:02:00.0  
ACPI: PCI Interrupt Routing Table [\_SB\_.PCI0.\_PRT]  
ACPI: PCI Interrupt Routing Table [\_SB\_.PCI0.P2P0.\_PRT]  
ACPI: PCI Interrupt Routing Table [\_SB\_.PCI0.XVR0.\_PRT]  
ACPI: PCI Interrupt Link [LNK1] (IRQs 16 17 18 19) \*0  
ACPI: PCI Interrupt Link [LNK2] (IRQs 16 17 18 19) \*0  
ACPI: PCI Interrupt Link [LNK3] (IRQs 16 17 18 19) \*0  
ACPI: PCI Interrupt Link [LNK4] (IRQs 16 17 18 19) \*0  
ACPI: PCI Interrupt Link [LNK5] (IRQs 16 17 18 19) \*0, disabled.  
ACPI: PCI Interrupt Link [LSMB] (IRQs 20 21 22 23) \*0, disabled.  
ACPI: PCI Interrupt Link [LUS0] (IRQs 20 21 22 23) \*0  
ACPI: PCI Interrupt Link [LUS2] (IRQs 20 21 22 23) \*0  
ACPI: PCI Interrupt Link [LMAC] (IRQs 20 21 22 23) \*0  
ACPI: PCI Interrupt Link [LACI] (IRQs 20 21 22 23) \*0

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ACPI: PCI Interrupt Link [LMCI] (IRQs 20 21 22 23) \*0, disabled.  
ACPI: PCI Interrupt Link [LPID] (IRQs 20 21 22 23) \*0, disabled.  
ACPI: PCI Interrupt Link [LTID] (IRQs 20 21 22 23) \*0  
ACPI: PCI Interrupt Link [LSI1] (IRQs 20 21 22 23) \*0, disabled.  
ACPI: PCI Interrupt Link [APCP] (IRQs 20 21 22 23) \*0, disabled.  
ACPI: PCI Root Bridge [PCI2] (0000:10)  
PCI: Probing PCI hardware (bus 10)  
ACPI: Assume root bridge [\_SB\_.PCI0] bus is 0  
ACPI: PCI Interrupt Routing Table [\_SB\_.PCI2.G0PA.\_PRT]  
ACPI: PCI Interrupt Routing Table [\_SB\_.PCI2.G0PB.\_PRT]  
ACPI: PCI Root Bridge [PCI1] (0000:80)  
PCI: Probing PCI hardware (bus 80)  
ACPI: Assume root bridge [\_SB\_.PCI0] bus is 0  
ACPI: PCI Interrupt Routing Table [\_SB\_.PCI1.\_PRT]  
ACPI: PCI Interrupt Routing Table [\_SB\_.PCI1.XVR0.\_PRT]  
ACPI: PCI Interrupt Link [LNK1] (IRQs 48 49 50 51) \*0, disabled.  
ACPI: PCI Interrupt Link [LNK2] (IRQs 48 49 50 51) \*0, disabled.  
ACPI: PCI Interrupt Link [LNK3] (IRQs 48 49 50 51) \*0, disabled.  
ACPI: PCI Interrupt Link [LNK4] (IRQs 48 49 50 51) \*0, disabled.  
ACPI: PCI Interrupt Link [LNK5] (IRQs 48 49 50 51) \*0, disabled.  
ACPI: PCI Interrupt Link [LUS0] (IRQs 52 53 54 55) \*0, disabled.  
ACPI: PCI Interrupt Link [LUS2] (IRQs 52 53 54 55) \*0, disabled.  
ACPI: PCI Interrupt Link [LMAC] (IRQs 52 53 54 55) \*0, disabled.  
ACPI: PCI Interrupt Link [LACI] (IRQs 52 53 54 55) \*0, disabled.  
ACPI: PCI Interrupt Link [LMCI] (IRQs 52 53 54 55) \*0, disabled.  
ACPI: PCI Interrupt Link [LPID] (IRQs 52 53 54 55) \*0, disabled.  
ACPI: PCI Interrupt Link [LTID] (IRQs 52 53 54 55) \*0, disabled.  
ACPI: PCI Interrupt Link [LSI1] (IRQs 52 53 54 55) \*0, disabled.  
Linux Plug and Play Support v0.97 (c) Adam Belay  
pnp: PnP ACPI: init  
pnp: PnP ACPI: found 14 devices  
SCSI subsystem initialized  
usbcore: registered new driver usbfs  
usbcore: registered new driver hub  
PCI: Using ACPI for IRQ routing  
PCI: If a device doesn't work, try "pci=routeirq". If it helps, post a report  
PCI-DMA: Disabling IOMMU.  
pnp: 00:02: ioport range 0x8000-0x807f could not be reserved  
pnp: 00:02: ioport range 0x8080-0x80ff has been reserved  
pnp: 00:02: ioport range 0x8400-0x847f has been reserved  
pnp: 00:02: ioport range 0x8480-0x84ff has been reserved  
pnp: 00:02: ioport range 0x8800-0x887f has been reserved  
pnp: 00:02: ioport range 0x8880-0x88ff has been reserved  
pnp: 00:02: ioport range 0xa000-0xa03f has been reserved  
pnp: 00:02: ioport range 0xa040-0xa07f has been reserved  
PCI: Bridge: 0000:00:09.0  
IO window: disabled.  
MEM window: b0100000-b01ffff  
PREFETCH window: disabled.  
PCI: Failed to allocate mem resource #6:20000@d0000000 for 0000:02:00.0

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PCI: Bridge: 0000:00:0e.0  
IO window: 2000–2fff  
MEM window: b1000000–b2ffffff  
PREFETCH window: c0000000–cffffff  
PCI: Setting latency timer of device 0000:00:09.0 to 64  
PCI: Setting latency timer of device 0000:00:0e.0 to 64  
PCI: Bridge: 0000:10:0a.0  
IO window: 3000–3fff  
MEM window: disabled.  
PREFETCH window: disabled.  
PCI: Bridge: 0000:10:0b.0  
IO window: 4000–4fff  
MEM window: d0100000–d05fffff  
PREFETCH window: a4000000–a41fffff  
PCI: Bridge: 0000:80:0e.0  
IO window: disabled.  
MEM window: disabled.  
PREFETCH window: disabled.  
PCI: Setting latency timer of device 0000:80:0e.0 to 64  
NET: Registered protocol family 2  
IP route cache hash table entries: 131072 (order: 8, 1048576 bytes)  
TCP established hash table entries: 262144 (order: 10, 4194304 bytes)  
TCP bind hash table entries: 65536 (order: 8, 1048576 bytes)  
TCP: Hash tables configured (established 262144 bind 65536)  
TCP reno registered  
Simple Boot Flag at 0x36 set to 0x1  
audit: initializing netlink socket (disabled)  
audit(1165155063.185:1): initialized  
VFS: Disk quotas dquot\_6.5.1  
Dquot–cache hash table entries: 512 (order 0, 4096 bytes)  
Initializing Cryptographic API  
io scheduler noop registered  
io scheduler anticipatory registered (default)  
io scheduler deadline registered  
io scheduler cfq registered  
PCI: MSI quirk detected. PCI\_BUS\_FLAGS\_NO\_MSI set for subordinate bus.  
PCI: MSI quirk detected. PCI\_BUS\_FLAGS\_NO\_MSI set for subordinate bus.  
pci 0000:12:04.0: HCRESET not completed yet!  
pci 0000:12:04.1: HCRESET not completed yet!  
PCI: Setting latency timer of device 0000:00:0e.0 to 64  
pcie\_portdrv\_probe->Dev[005d:10de] has invalid IRQ. Check vendor BIOS  
assign\_interrupt\_mode Found MSI capability  
Allocate Port Service[0000:00:0e.0:pcie00]  
PCI: Setting latency timer of device 0000:80:0e.0 to 64  
pcie\_portdrv\_probe->Dev[005d:10de] has invalid IRQ. Check vendor BIOS  
assign\_interrupt\_mode Found MSI capability  
Allocate Port Service[0000:80:0e.0:pcie00]  
ACPI: Power Button (FF) [PWRFB]  
ACPI: Power Button (CM) [PWRB]  
Real Time Clock Driver v1.12ac  
Non-volatile memory driver v1.2

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Linux agpgart interface v0.101 (c) Dave Jones  
Serial: 8250/16550 driver \$Revision: 1.90 \$ 4 ports, IRQ sharing disabled  
serial8250: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A  
00:08: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A  
Floppy drive(s): fd0 is 1.44M  
FDC 0 is a post-1991 82077  
loop: loaded (max 8 devices)  
nbd: registered device at major 43  
forcedeth.c: Reverse Engineered nForce ethernet driver. Version 0.56.  
ACPI: PCI Interrupt Link [LMAC] enabled at IRQ 23  
GSI 16 sharing vector 0xC9 and IRQ 16  
ACPI: PCI Interrupt 0000:00:0a.0[A] -> Link [LMAC] -> GSI 23 (level, high) -> IRQ 201  
PCI: Setting latency timer of device 0000:00:0a.0 to 64  
forcedeth: using HIGHDMA  
eth0: forcedeth.c: subsystem: 010f1:2895 bound to 0000:00:0a.0  
ACPI: PCI Interrupt Link [LMAC] enabled at IRQ 55  
GSI 17 sharing vector 0xD1 and IRQ 17  
ACPI: PCI Interrupt 0000:80:0a.0[A] -> Link [LMAC] -> GSI 55 (level, high) -> IRQ 209  
PCI: Setting latency timer of device 0000:80:0a.0 to 64  
forcedeth: using HIGHDMA  
eth1: forcedeth.c: subsystem: 010f1:2895 bound to 0000:80:0a.0  
tun: Universal TUN/TAP device driver, 1.6  
tun: (C) 1999-2004 Max Krasnyansky <maxk@xxxxxxxxxxxx>  
Linux video capture interface: v2.00  
Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2  
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx  
NFORCE-CK804: IDE controller at PCI slot 0000:00:06.0  
NFORCE-CK804: chipset revision 242  
NFORCE-CK804: not 100% native mode: will probe irqs later  
NFORCE-CK804: 0000:00:06.0 (rev f2) UDMA133 controller  
ide0: BM-DMA at 0x1c00-0x1c07, BIOS settings: hda:DMA, hdb:DMA  
ide1: BM-DMA at 0x1c08-0x1c0f, BIOS settings: hdc:pio, hdd:pio  
Probing IDE interface ide0...  
hda: IC35L120AVV207-1, ATA DISK drive  
hdb: PLEXTOR DVDR PX-760A, ATAPI CD/DVD-ROM drive  
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14  
Probing IDE interface ide1...  
Probing IDE interface ide1...  
hda: max request size: 512KiB  
hda: 241254720 sectors (123522 MB) w/7965KiB Cache, CHS=16383/255/63, UDMA(100)  
hda: cache flushes supported  
hda: hda1 hda2 hda3 hda4 < hda5 hda6 >  
hdb: ATAPI 40X DVD-ROM DVD-R CD-R/RW drive, 2048kB Cache, UDMA(66)  
Uniform CD-ROM driver Revision: 3.20  
Loading iSCSI transport class v1.1-646.<7>libata version 2.00 loaded.  
sata\_nv 0000:00:07.0: version 2.0  
ACPI: PCI Interrupt Link [LTID] enabled at IRQ 22  
GSI 18 sharing vector 0xD9 and IRQ 18

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ACPI: PCI Interrupt 0000:00:07.0[A] -> Link [LTID] -> GSI 22 (level, high) -> IRQ 217  
PCI: Setting latency timer of device 0000:00:07.0 to 64  
ata1: SATA max UDMA/133 cmd 0x1C40 ctl 0x1C36 bmdma 0x1C10 irq 217  
ata2: SATA max UDMA/133 cmd 0x1C38 ctl 0x1C32 bmdma 0x1C18 irq 217  
scsi0 : sata\_nv  
ata1: SATA link up 3.0 Gbps (SStatus 123 SControl 300)  
ata1.00: ATA-7, max UDMA/133, 488397168 sectors: LBA48 NCQ (depth 0/32)  
ata1.00: ata1: dev 0 multi count 16  
ata1.00: configured for UDMA/133  
scsi1 : sata\_nv  
ata2: SATA link up 3.0 Gbps (SStatus 123 SControl 300)  
ata2.00: ATA-7, max UDMA/133, 488397168 sectors: LBA48 NCQ (depth 0/32)  
ata2.00: ata2: dev 0 multi count 16  
ata2.00: configured for UDMA/133  
Vendor: ATA Model: HDT722525DLA380 Rev: V44O  
Type: Direct-Access ANSI SCSI revision: 05  
Vendor: ATA Model: HDT722525DLA380 Rev: V44O  
Type: Direct-Access ANSI SCSI revision: 05  
ACPI: PCI Interrupt Link [LSI1] enabled at IRQ 21  
GSI 19 sharing vector 0xE1 and IRQ 19  
ACPI: PCI Interrupt 0000:00:08.0[A] -> Link [LSI1] -> GSI 21 (level, high) -> IRQ 225  
PCI: Setting latency timer of device 0000:00:08.0 to 64  
ata3: SATA max UDMA/133 cmd 0x1C58 ctl 0x1C4E bmdma 0x1C20 irq 225  
ata4: SATA max UDMA/133 cmd 0x1C50 ctl 0x1C4A bmdma 0x1C28 irq 225  
scsi2 : sata\_nv  
ata3: SATA link down (SStatus 0 SControl 300)  
scsi3 : sata\_nv  
ata4: SATA link down (SStatus 0 SControl 300)  
SCSI device sda: 488397168 512-byte hdwr sectors (250059 MB)  
sda: Write Protect is off  
sda: Mode Sense: 00 3a 00 00  
SCSI device sda: drive cache: write back  
SCSI device sda: 488397168 512-byte hdwr sectors (250059 MB)  
sda: Write Protect is off  
sda: Mode Sense: 00 3a 00 00  
SCSI device sda: drive cache: write back  
sda: sda1 sda2 sda3  
sd 0:0:0:0: Attached scsi disk sda  
SCSI device sdb: 488397168 512-byte hdwr sectors (250059 MB)  
sdb: Write Protect is off  
sdb: Mode Sense: 00 3a 00 00  
SCSI device sdb: drive cache: write back  
SCSI device sdb: 488397168 512-byte hdwr sectors (250059 MB)  
sdb: Write Protect is off  
sdb: Mode Sense: 00 3a 00 00  
SCSI device sdb: drive cache: write back  
sdb: sdb1  
sd 1:0:0:0: Attached scsi disk sdb  
sd 0:0:0:0: Attached scsi generic sg0 type 0

Re: CD/DVD drive errors and lost ticks

sd 1:0:0:0: Attached scsi generic sg1 type 0  
Fusion MPT base driver 3.04.01  
Copyright (c) 1999–2005 LSI Logic Corporation  
Fusion MPT SPI Host driver 3.04.01  
GSI 20 sharing vector 0xE9 and IRQ 20  
ACPI: PCI Interrupt 0000:12:06.0[A] -> GSI 30 (level, low) -> IRQ 233  
mptbase: Initiating ioc0 bringup  
ioc0: 53C1030: Capabilities={Initiator,Target}  
scsi4 : ioc0: LSI53C1030, FwRev=01032700h, Ports=1, MaxQ=255, IRQ=233  
GSI 21 sharing vector 0x32 and IRQ 21  
ACPI: PCI Interrupt 0000:12:06.1[B] -> GSI 31 (level, low) -> IRQ 50  
mptbase: Initiating ioc1 bringup  
ioc1: 53C1030: Capabilities={Initiator,Target}  
scsi5 : ioc1: LSI53C1030, FwRev=01032700h, Ports=1, MaxQ=255, IRQ=50  
Fusion MPT misc device (ioctl) driver 3.04.01  
mptctl: Registered with Fusion MPT base driver  
mptctl: /dev/mptctl @ (major,minor=10,220)  
ieee1394: Initialized config rom entry `ip1394'  
ACPI: PCI Interrupt Link [LNK4] enabled at IRQ 19  
GSI 22 sharing vector 0x3A and IRQ 22  
ACPI: PCI Interrupt 0000:01:05.0[A] -> Link [LNK4] -> GSI 19 (level, high) -> IRQ 58  
ohci1394: fw-host0: OHCI-1394 1.1 (PCI): IRQ=[58]  
MMIO=[b0104000-b01047ff] Max Packet=[2048] IR/IT contexts=[4/8]  
ieee1394: raw1394: /dev/raw1394 device initialized  
ieee1394: sbp2: Driver forced to serialize I/O (serialize\_io=1)  
ieee1394: sbp2: Try serialize\_io=0 for better performance  
ACPI: PCI Interrupt Link [LUS2] enabled at IRQ 20  
GSI 23 sharing vector 0x42 and IRQ 23  
ACPI: PCI Interrupt 0000:00:02.1[B] -> Link [LUS2] -> GSI 20 (level, high) -> IRQ 66  
PCI: Setting latency timer of device 0000:00:02.1 to 64  
ehci\_hcd 0000:00:02.1: EHCI Host Controller  
ehci\_hcd 0000:00:02.1: new USB bus registered, assigned bus number 1  
ehci\_hcd 0000:00:02.1: debug port 1  
PCI: cache line size of 64 is not supported by device 0000:00:02.1  
ehci\_hcd 0000:00:02.1: irq 66, io mem 0xb0001000  
ehci\_hcd 0000:00:02.1: USB 2.0 started, EHCI 1.00, driver 10 Dec 2004  
usb usb1: configuration #1 chosen from 1 choice  
hub 1-0:1.0: USB hub found  
hub 1-0:1.0: 10 ports detected  
ACPI: PCI Interrupt 0000:12:04.2[C] -> GSI 30 (level, low) -MC1: Giving out device to k8\_edac Athlon64/Opteron: DEV 0000:00:19.2  
EXT3 FS on sda1, internal journal  
kjournald starting. Commit interval 5 seconds  
EXT3 FS on sda2, internal journal  
EXT3-fs: mounted filesystem with ordered data mode.  
kjournald starting. Commit interval 5 seconds  
EXT3 FS on sda3, internal journal  
EXT3-fs: mounted filesystem with ordered data mode.  
CSLIP: code copyright 1989 Regents of the University of California

Re: CD/DVD drive errors and lost ticks

PPP generic driver version 2.4.2  
NET: Registered protocol family 24  
eth0: no IPv6 routers present  
eth1: no IPv6 routers present  
nvidia: module license 'NVIDIA' taints kernel.  
ACPI: PCI Interrupt Link [LNK3] enabled at IRQ 18  
GSI 25 sharing vector 0x52 and IRQ 25  
ACPI: PCI Interrupt 0000:02:00.0[A] -> Link [LNK3] -> GSI 18 (level,  
high) -> IRQ 82  
PCI: Setting latency timer of device 0000:02:00.0 to 64  
NVRM: loading NVIDIA Linux x86\_64 Kernel Module 1.0-8776 Mon Oct 16  
21:53:43 PDT 2006  
i2c\_adapter i2c-2: SMBus Quick command not supported, can't probe for chips  
i2c\_adapter i2c-3: SMBus Quick command not supported, can't probe for chips  
i2c\_adapter i2c-4: SMBus Quick command not supported, can't probe for chips  
gaim[3409]: segfault at 0000000000000120 rip 00002b3349200acd rsp  
0000000040fff020 error 6  
cdrom: This disc doesn't have any tracks I recognize!

My System:

Mainboard: Tyan S2895  
Chipsets: Nvidia nforce professional 2200 and 2050 and AMD 8131  
CPU: 2x DualCore Opterons model 275  
RAM: 4GB Kingston Registered/ECC  
Diskdrives: IBM/Hitachi: 1 PATA, 2 SATA

--- Begin Message ---

- ◆ *From:* Christoph Anton Mitterer <[calestyo@xxxxxxxxxxxxx](mailto:calestyo@xxxxxxxxxxxxx)>
- ◆ *Date:* Sun, 3 Dec 2006 15:01:43 +0000

begin:vcard  
fn:Mitterer, Christoph Anton  
n:Mitterer;Christoph Anton  
email;internet:calestyo@xxxxxxxxxxxxx  
x-mozilla-html:TRUE  
version:2.1  
end:vcard

--- End Message ---