CD-ROM Drive Test Report

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Abstract

CD-ROM drives were connected to an early 2000-era system. The initial test was simply BIOS POST and Linux detection. After boot into Linux, ATA information was extracted with "smartctl" and certain configuration information with "dmesg". Finally, an attempt was made to mount and read the root directory for a CD. Drives with DVD reading capability were in addition tested with a DVD. No tests were done regarding writing capability.

Contents

1   Sony AD-5260S

ATA information:

```
Vendor:                 Optiarc
Product:                DVD RW AD-5260S
Revision:               1.00
```

Linux configuration:

```
ata4.00: ATAPI: Optiarc DVD RW AD-5260S, 1.00, max UDMA/100
ata4.00: configured for UDMA/100
sr1: scsi3-mmc drive: 48x/48x writer cd/rw xa/form2 cdda tray
sr 3:0:0:0: Attached scsi CD-ROM sr1
```

Status: Working

2   Plextor PX-716SA

ATA information:

```
Vendor:                 PLEXTOR
Product:                DVDR    PX-716A
Revision:               1.10
```

Linux configuration:

```
ata4.00: ATAPI: PLEXTOR DVDR   PX-716A, 1.10, max UDMA/66
ata4.00: applying bridge limits
ata4.00: configured for UDMA/66
sr1: scsi3-mmc drive: 125x/94x writer cd/rw xa/form2 cdda tray
sr 3:0:0:0: Attached scsi CD-ROM sr1
```

Status: Working

3   Samsung TS-H352

ATA information:

```
Vendor:                 TSSTcorp
Product:                DVD-ROM TS-H352A
Revision:               TS02
```

Linux configuration:

```
ata1.00: ATAPI: TSSTcorpDVD-ROM TS-H352A, TS02, max UDMA/33
ata1.00: configured for UDMA/33
sr0: scsi3-mmc drive: 6x/48x cd/rw xa/form2 cdda tray
sr 0:0:0:0: Attached scsi CD-ROM sr0
```

Status: Working

4 HP XJ-HD166S

ATA information:

```
Vendor:              JLMS
Product:             XJ-HD166S
Revision:            DQS7
```

Linux configuration:

```
ata1.00: ATAPI: JLMS XJ-HD166S, DQS7, max UDMA/44
ata1.00: configured for UDMA/44
sr0: scsi3-mmc drive: 40x/40x cd/rw xa/form2 cdda tray
sr 0:0:0:0: Attached scsi CD-ROM sr0
```

Status: Working

5   Sony CRX320A

<u>ATA information:</u>

```
Vendor:                 SONY
Product:                CD-RW   CRX320E
Revision:               NYK2
```

<u>Linux configuration:</u>

```
ata1.00: ATAPI: SONY    CD-RW   CRX320E, NYK2, max UDMA/33
ata1.00: configured for UDMA/33
sr0: scsi3-mmc drive: 62x/62x writer cd/rw xa/form2 cdda tray
sr 0:0:0:0: Attached scsi CD-ROM sr0
```

Status: Working

6   Plextor PX-712A

ATA information:

```
Vendor:                 PLEXTOR
Product:                DVDR   PX-712A
Revision:               1.05
```

Linux configuration:

```
ata1.00: ATAPI: PLEXTOR DVDR   PX-712A, 1.05, max UDMA/33
ata1.00: configured for UDMA/33
sr0: scsi3-mmc drive: 94x/94x writer cd/rw xa/form2 cdda tray
sr 0:0:0:0: Attached scsi CD-ROM sr0
```

Status: Broken (Unable to read DVDs)

7   Toshiba XM-5302B

ATA information:

```
Vendor:              TOSHIBA
Product:             CD-ROM XM-5302TA
Revision:            1095
```

Linux configuration:

```
ata1.00: ATAPI: TOSHIBA CD-ROM XM-5302TA, 1095, max PIO0, CDB intr
ata1.00: configured for PIO0 (device error ignored)
sr0: scsi3-mmc drive: 4x/4x xa/form2 cdda tray
sr 0:0:0:0: Attached scsi CD-ROM sr0
```

Status: Working

8 Creative CR-587-B

ATA information:

```
Vendor:              MATSHITA
Product:             CD-ROM CR-587
Revision:            7S13
```

Linux configuration:

```
ata1.00: ATAPI: MATSHITA CR-587, 7S13, max MWDMA2
ata1.00: configured for MWDMA2
sr0: scsi3-mmc drive: 24x/24x cd/rw xa/form2 cdda tray
sr 0:0:0:0: Attached scsi CD-ROM sr0
```

Status: Working

9 Goldstar CRD-8160B

ATA information:

```
Vendor:                 GoldStar
Product:                CD-ROM CRD-8160B
Revision:               3.14
```

Linux configuration:

```
ata1.00: ATAPI: CRD-8160B, 3.14, max MWDMA2
ata1.00: configured for MWDMA2
sr0: scsi3-mmc drive: 1x/16x xa/form2 tray
sr 0:0:0:0: Attached scsi CD-ROM sr0
```

Status: Working

10   Aztech CDA 468-02I

ATA information:

```
Vendor:                 AZT
Product:                46802I
Revision:               1.15
```

Linux configuration:

```
ata1.00: ATAPI: CDA46802I, F1.15000, max PIO3
ata1.00: configured for PIO3 (device error ignored)
sr0: scsi3-mmc drive: 4x/4x xa/form2 tray
sr 0:0:0:0: Attached scsi CD-ROM sr0
```

Status: Working (But only reads pressed CDs)

11   Pioneer DR-A12X

ATA information:

```
Vendor:                 PIONEER
Product:                CD-ROM DR-A12X
Revision:               2.05
```

Linux configuration:

```
ata1.00: ATAPI: Pioneer CD-ROM ATAPI Model DR-A12X  0100, E1.00A, max
    MWDMA2
ata1.00: configured for MWDMA2
sr0: scsi3-mmc drive: 12x/12x xa/form2 cdda tray
sr 0:0:0:0: Attached scsi CD-ROM sr0
```

Status: Working (When jumpered to "WIN95")

12   Aztech CDA 268-01A

Status: Untested (Has proprietary Aztech interface)

13   Matsushita CR-504-B

Status: Untested (Has 50-pin SCSI interface)

14   Philips CDD3600/51

Status: Untested (Has 50-pin SCSI interface)