

PROBLEM: Linux ATAPI CDROM ->FIX: SAMSUNG CD-ROM SC-140

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-12/msg08565.html>

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 - *Date:* Fri, 30 Dec 2005 21:17:32 -0800
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The problem first appeared in Linux 2.4.21 when the "ide-dma" source experienced a significant overhaul, but worked OK in Linux versions 2.4.5 through 2.4.20.

The problem still exists in Linux 2.4.32.

Attempts to mount a SAMSUNG SC-140 CDROM are allowing DMA which fails because of a problem in the following source code file:

```
<linux>/drivers/ide/ide-dma.c
```

User sees displayed
mount: Directory not available

The fix is to add the following record to the drive_blacklist[] table.

```
{ "SAMSUNG CD-ROM SC-140", "ALL" },
```

This model of SAMSUNG CD-ROM disk drive is original equipment on the E=Machines etower 556i2 compters, and possibly many other models.

DMA should not be performed on this CDROM model, therefore I submit the drive_blacklist[] request.

I had given up on upgrading Linux on this platform until the fix was found and tested. The fix works with all Linux 2.4.21 through 2.4.32 versions of stable kernels.

Sincerely,
Steven J. Hathaway
<shathawa@xxxxxxx>

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the body of a message to majordomo@xxxxxxxxxxxxxxxx

More majordomo info at <http://vger.kernel.org/majordomo-info.html>

Please read the FAQ at <http://www.tux.org/lkml/>

- *Follow-Ups:*

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- ◇ *From:* Alan Cox

- ◆ **Re: PROBLEM: Linux ATAPI CDROM ->FIX: SAMSUNG CD-ROM SC-140**

- ◇ *From:* Andre Hedrick

- Prev by Date: **Re: [PATCH] strict VM overcommit accounting for 2.4.32/2.4.33-pre1**

- Next by Date: **[PATCH 2/2] Areca RAID driver (arcmsr) cleanups**

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