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Subject: [PATCH 2.6.19-rc2] scsi: megaraid\_{mm, mbox}: 64-bit DMA capability fix  
Posted by [vaverin](#) on Mon, 16 Oct 2006 08:08:43 GMT

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From: Andrey Mirkin (amirkin@sw.ru)

It is known that 2 LSI Logic MegaRAID SATA RAID Controllers (150-4 and 150-6) don't support 64-bit DMA. Unfortunately currently this check is wrong and driver sets 64-bit DMA mode for these devices.

Signed-off-by: Andrey Mirkin <amirkin@sw.ru>

Ack-by: Vasily Averin <vvs@sw.ru>

--- linux-2.6.19-rc2/drivers/scsi/megaraid/megaraid\_mbox.c.mgst6 2006-10-16

10:26:50.000000000 +0400

+++ linux-2.6.19-rc2/drivers/scsi/megaraid/megaraid\_mbox.c 2006-10-16

11:30:55.000000000 +0400

@@ -884,7 +884,7 @@ megaraid\_init\_mbox(adapter\_t \*adapter)

```
if (((magic64 == HBA_SIGNATURE_64_BIT) &&
    ((adapter->pdev->subsystem_device !=
- PCI_SUBSYS_ID_MEGARAID_SATA_150_6) ||
+ PCI_SUBSYS_ID_MEGARAID_SATA_150_6) &&
    (adapter->pdev->subsystem_device !=
    PCI_SUBSYS_ID_MEGARAID_SATA_150_4))) ||
    (adapter->pdev->vendor == PCI_VENDOR_ID_LSI_LOGIC &&
```

--- linux-2.6.19-rc2/drivers/scsi/megaraid/megaraid\_mbox.c.mgst6 2006-10-16

10:26:50.000000000 +0400

+++ linux-2.6.19-rc2/drivers/scsi/megaraid/megaraid\_mbox.c 2006-10-16 11:30:55.000000000

+0400

@@ -884,7 +884,7 @@ megaraid\_init\_mbox(adapter\_t \*adapter)

```
if (((magic64 == HBA_SIGNATURE_64_BIT) &&
    ((adapter->pdev->subsystem_device !=
- PCI_SUBSYS_ID_MEGARAID_SATA_150_6) ||
+ PCI_SUBSYS_ID_MEGARAID_SATA_150_6) &&
    (adapter->pdev->subsystem_device !=
    PCI_SUBSYS_ID_MEGARAID_SATA_150_4))) ||
    (adapter->pdev->vendor == PCI_VENDOR_ID_LSI_LOGIC &&
```

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