

## RTC broken under 2.6.15-rc7-rt1 (was: Re: MPlayer broken under 2.6.15-rc7-rt1?)

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-12/msg08712.html>

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  - *Date:* Sat, 31 Dec 2005 17:46:55 -0500
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On Sat, 2005-12-31 at 21:58 +0100, Jan Engelhardt wrote:

>>Subject: Re: MPlayer broken under 2.6.15-rc7-rt1?

>

> I seriously demand that this be changed into "RTC broekn under..."! :)

Done ;)

[...]

>>

>>Index: linux-2.6.15-rc7-rt1/drivers/char/rtc.c

>

> This patch fixes the rtc BUG for me.

Yeah, attached is a program that does what mplayer does. I run it from the command line like this:

```
# for i in `seq 10000`; do ./rtc_ioctl ; done
```

And with the patch it runs perfectly fine. Without it, it segfaults several times.

-- Steve

```
#include <stdio.h>#include <stdlib.h>
#include <fcntl.h>
#include <unistd.h>
#include <sys/ioctl.h>
#include <sys/types.h>
#include <sys/stat.h>

#include <linux/rtc.h>

#define RTC "/dev/rtc"

int main(int argc, char **argv)
{
    int fd;
    unsigned long data;
```

## RTC broken under 2.6.15-rc7-rt1 (was: Re: MPlayer broken under 2.6.15-rc7-rt1?)

```
if ((fd = open(RTC, O_RDONLY)) < 0) {
    perror(RTC);
    exit(0);
}

ioctl(fd, RTC_IRQP_SET, 1024);
ioctl(fd, RTC_PIE_ON, 0);

read(fd, &data, sizeof(data));
printf("%08lx\n", data);

close (fd);
exit(0);
}
```