

[PATCH 2.6.20-rc2] [BUGFIX] drivers/atm/firestream.c: Fix infinite recursion when alignment passed is 0.

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-12/msg08072.html>

- *From:* Amit Choudhary <amit2030@xxxxxxxx>
 - *Date:* Sat, 30 Dec 2006 18:26:03 -0800
-

Description: Fix infinite recursion when alignment passed is 0 in function `aligned_kmalloc()`, in file `drivers/atm/firestream.c`. Also, a negative value for alignment does not make sense. Check for negative value too.

The function prototype is:

```
static void __devinit *aligned_kmalloc (int size, gfp_t flags, int alignment).
```

Signed-off-by: Amit Choudhary <amit2030@xxxxxxxx>

```
diff --git a/drivers/atm/firestream.c b/drivers/atm/firestream.c
index 9c67df5..2ba6b2e 100644
--- a/drivers/atm/firestream.c
+++ b/drivers/atm/firestream.c
@@ -1385,7 +1385,7 @@ static void __devinit *aligned_kmalloc (
```

```
if (alignment <= 0x10) {
t = kmalloc (size, flags);
- if ((unsigned long)t & (alignment-1)) {
+ if ((unsigned long)t & ((alignment <= 0) ? 0 : (alignment-1))) {
printk ("Kmalloc doesn't align things correctly! %p\n", t);
kfree (t);
return aligned_kmalloc (size, flags, alignment * 4);
-

```

To unsubscribe from this list: send the line "unsubscribe linux-kernel" in 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/>