

## Re: compiling external modules

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2004-04/3447.html>

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**From:** Axel Weiss ([aweiss\\_at\\_informatik.hu-berlin.de](mailto:aweiss_at_informatik.hu-berlin.de))

**Date:** 04/16/04

To: Sam Ravnborg <[sam@ravnborg.org](mailto:sam@ravnborg.org)>  
Date: Fri, 16 Apr 2004 14:34:25 +0200

Hi, Sam,

excuse me (and forget my previous mail), I've found the reason for the missing exported symbols in the C-source.

I will continue simplifying the Makefile...

Regards,  
Axel

On Friday 16 April 2004 14:06, Axel Weiss wrote:

```
> Hi, Sam,
>
> I have patched to 2.6.6-rc1 (patch-2.6.6-rc1 over kernel 2.6.5 - am I right
> or am I missing some patches in between?), and now symbol exports between
> modules fails. An example with two module-objects - one exports some
> symbols used by the other - shows compile output:
>
> scripts/Makefile.build:36: kbuild: /home/axel/freeSP-1.0.4/drivers/linux/
> adc64/busmaster/Makefile - Usage of export-objs is obsolete in 2.6. Please
> fix!
>
> 8<
>
> *** Warning: "adc64_count" [/home/axel/freeSP-1.0.4/drivers/linux/adc64/
> driver/adc64.ko] undefined!
> *** Warning: "release_adc64_busmaster"
> [/home/axel/freeSP-1.0.4/drivers/linux/adc64/driver/adc64.ko] undefined!
> *** Warning: "get_adc64_busmaster" [/home/axel/freeSP-1.0.4/drivers/linux/
> adc64/driver/adc64.ko] undefined!
>
> 8<
>
> The first (exporting) module loads cleanly (lsmod shows the loaded module),
> but insmod'ing the second fails with:
>
> insmod: error inserting './adc64.ko': -1 Unknown symbol in module
```

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>  
> *What's the trick in 2.6.6?*  
>  
> *Regards,*  
> *Axel*  
>  
> *On Thursday 15 April 2004 23:59, Sam Ravnborg wrote:*  
> > *On Thu, Apr 15, 2004 at 11:05:49PM +0200, Axel Weiss wrote:*  
> > > *Hi,*