

2.6.7 kernel boot-time configuration of a non-modular tulip driver

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I have a linux 2.6.7 kernel which contains a compiled-in tulip driver. I would like to be able to boot the kernel with parameters that will allow control of the tulip device. On some ethernet devices this used to be possible via (something like):

```
ether=0,0,1,0,eth0
```

which would pass the four numeric parameters (as, I think, `dev->irq`, `dev->ioaddr`, `dev->mem_start` and `dev->mem_end`) to the net driver that controlled eth0. A convention adopted by some net drivers then allowed `dev->mem_start` to be interpreted as a set of flags that would control device characteristics (e.g. full-duplex vs half-duplex mode). In `.../linux-2.6.7/drivers/net/tulip/tulip_core.c:1587`:

```
if (dev->mem_start & MEDIA_MASK)
    tp->default_port = dev->mem_start & MEDIA_MASK;
```

suggests that this might still work. However, I have been unable to force `dev->mem_start` in that driver to become non-zero via any kernel boot-time parameters. My limited understanding of the code that precedes the above lines in that file suggests that the "dev" structure is not what it used to be...

`.../linux-2.6.7/Documentation/kernel-parameters.txt:402` still mentions "ether=..." but marks it as obsolete, replaced by the equivalent "netdev=...". Elsewhere in that file, the entry for "netdev=..." describes what appears to be the functionality that I seek.

So, is it still possible to perform the same sort of control operations on a tulip driver via kernel boot-time parameters as one can do via module load-time parameters? If so, how?

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