

Disabling resources in the ARM

Disabling Timer1

The DSP side will have to use the Timer1 for the DSP/BIOS clock. Please adapt the files as explained below.

1) In the file `/home/user/workdir/lsp/ti-davinci/linux-2.6.18_pro500/arch/arm/mach-da8xx/time.c`, comment the usage of timer1 as the DSP is going to use this:

```
static int da8xx_timer_irqs[NUM_TIMERS] = { IRQ_DA8XX_TINT12_0, IRQ_DA8XX_TINT34_0,

    1. if 0

IRQ_DA8XX_TINT12_1, IRQ_DA8XX_TINT34_1

    1. endif

};
```

2) In the file `/home/user/workdir/lsp/ti-davinci/linux-2.6.18_pro500/arch/arm/mach-da8xx/reset.c`, comment the watchdog reset:

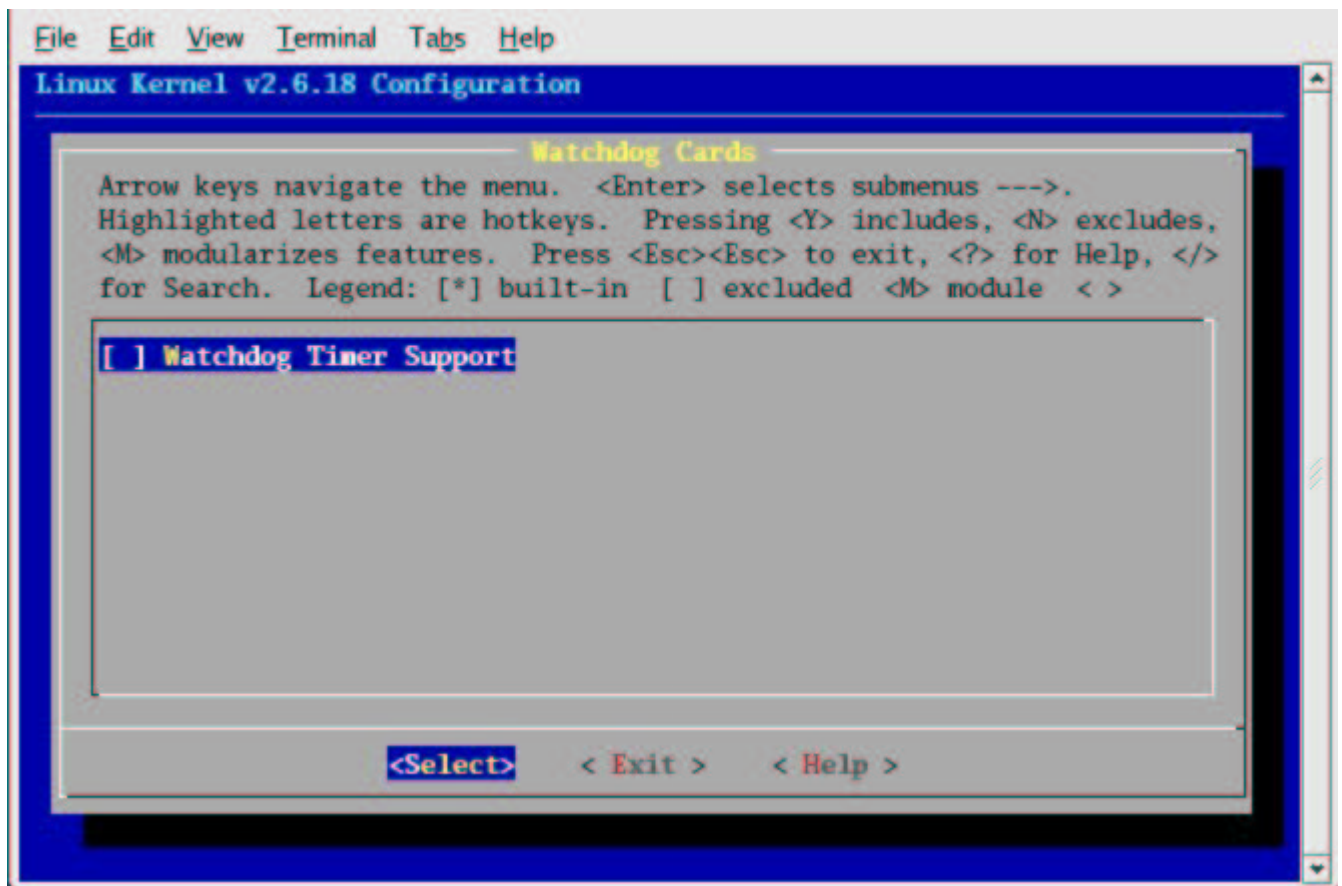
```
void arch_reset(char mode) { // davinci_watchdog_reset(DA8XX_WDOG_BASE); }
```

3) In the file `/home/user/workdir/lsp/ti-davinci/linux-2.6.18_pro500/include/asm-arm/arch-davinci/time.h`, comment the TI_BOT and TI_TOP:

```
enum { T0_BOT, T0_TOP, /* T1_BOT, */ /* T1_TOP, */ NUM_TIMERS };
```

4) Remove the support for watchdog in the Linux kernel. To change the Linux Driver configuration, please follow the steps in the page: [Building the OMAP-L137 Linux Kernel](http://tiexpressdsp.com/index.php/Building_the_OMAP-L137_Linux_Kernel) (http://tiexpressdsp.com/index.php/Building_the_OMAP-L137_Linux_Kernel).

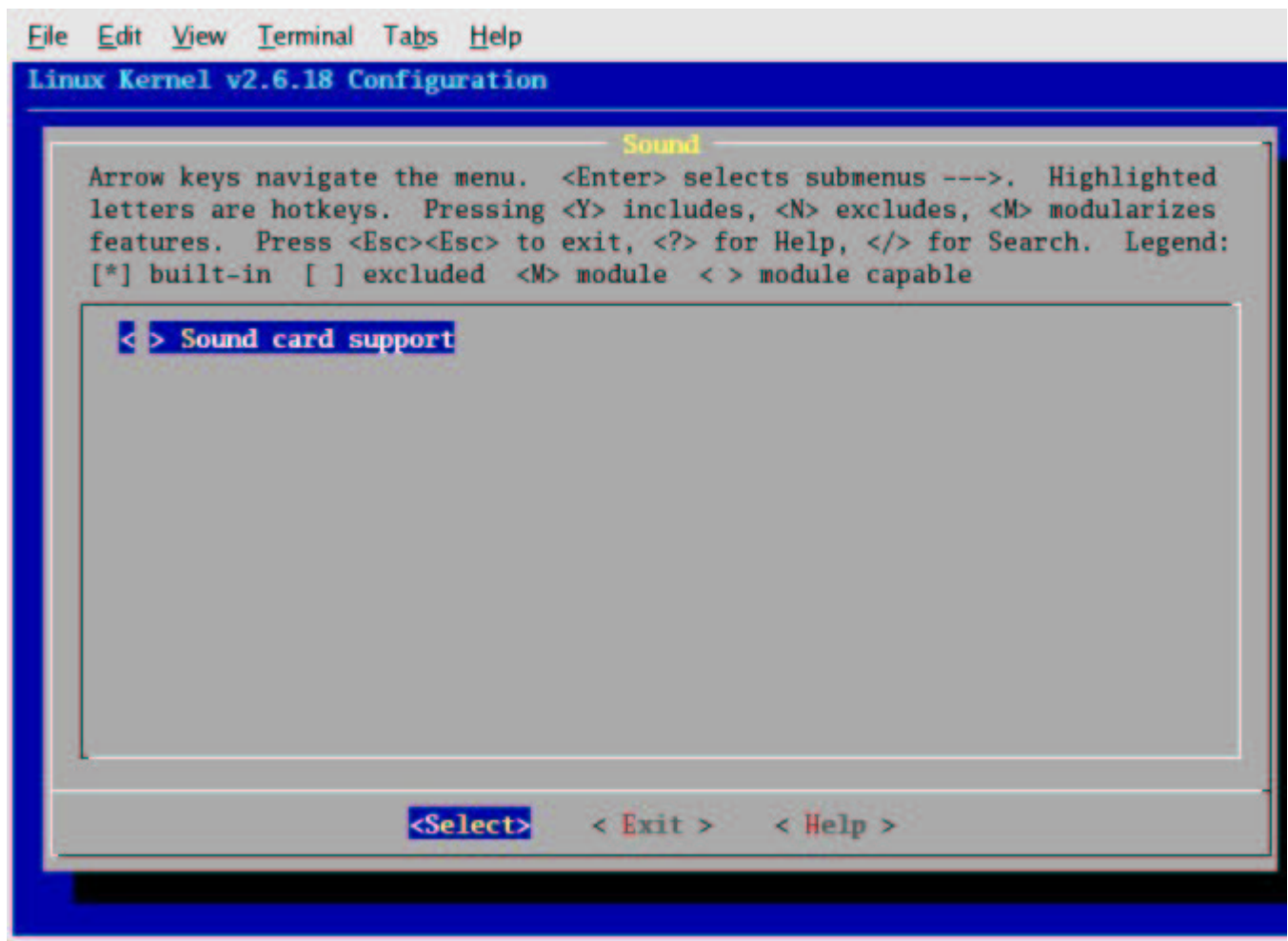
In menuconfig (see **Configuring Linux Kernel** in the page above), disable CONFIG_WATCHDOG at Device Drivers-> Character devices-> Watchdog Cards-> Watchdog Timer Support:



Disabling Audio Driver

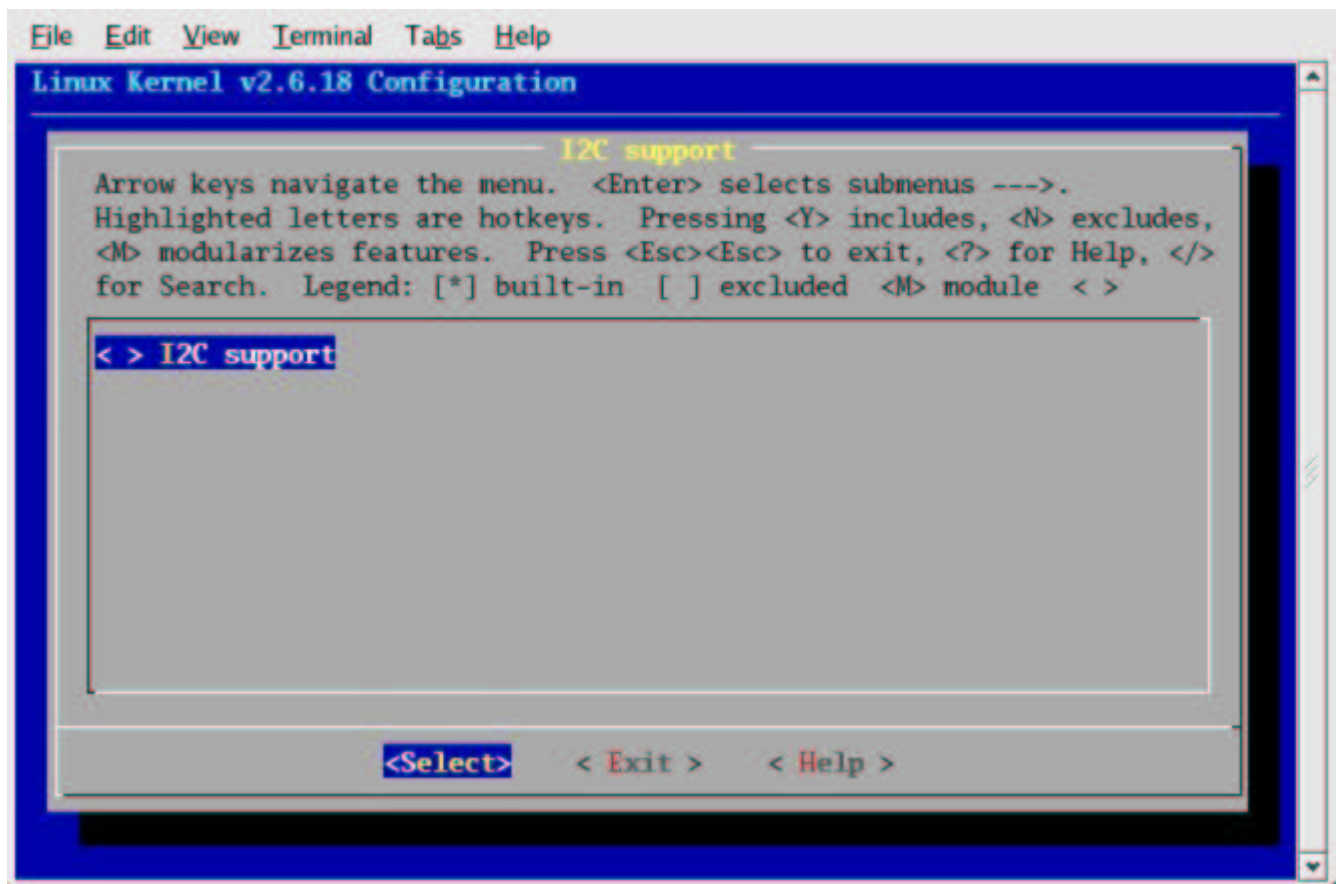
To change the Linux Driver configuration, please follow the steps in the page: Building the OMAP-L137 Linux Kernel (http://tiexpressdsp.com/index.php/Building_the_OMAP-L137_Linux_Kernel)

In menuconfig (see **Configuring Linux Kernel** in the page above) , disable Device Drivers -> Sound ---> Sound Card support:



Disabling I2C Driver

In menuconfig, disable CONFIG_I2C at Device Device Drivers -> I2C Support -> I2C support:



Disabling SPI Driver

In menuconfig, disable CONFIG_SPI at Device Device Drivers -> SPI Support -> SPI support:

