

Kernel 2.6.4 for SuSE  
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Warning: This HOWTO comes with no explicit or implicit warranty whatsoever. Use at your own risk!

Needed packages:

```
ftp://ftp.suse.com/pub/people/kraxel/i386/i586/  
kernel-default-2.6.4-0.i586.rpm  
kernel-source-2.6.4-0.i586.rpm
```

```
ftp://ftp.suse.com/pub/people/kraxel/9.0-i386/i586/  
alsa  
alsa-devel  
kbd  
mkinitrd  
modutils  
module-init-tools  
udev
```

```
ftp://ftp.suse.com/pub/people/kraxel/9.0-i386/noarch/  
hotplug-0.42-13.noarch.rpm
```

Update Packages:

```
rpm -vhU alsa...  
rpm -vhU alsa-devel...  
rpm -vhU kbd...  
rpm -vhU mkinitrd...
```

```
rpm -vhU modutils... <<< upgrade it before you install module-init-tools  
rpm -vhU module-init-tools...
```

```
rpm -vhU udev...
```

```
rpm -e hotplug --nodeps  
rpm -i hotplug...
```

```
rpm -e kernel-source  
rpm -i kernel-default-2.6....  
rpm -i kernel-source...
```

Preparations:

```
/sbin/generate-modprobe.conf | tee /etc/modprobe.conf  
mkdir /sys
```

```
cd /usr/src/linux/scripts/  
./MAKEDEV.snd
```

**SysFS:**

Add the following line to your /etc/fstab

```
sys          /sys          sysfs          defaults 0 0
```

**Sound:**

The following must be in modprobe.conf

The example code is for Soundblasters with emu10k1 chipset

```
alias char-major-14 soundcore
alias sound-slot-0 snd-emu10k1
alias snd-card-0 snd-emu10k1
alias sound-service-0-0 snd-mixer-oss
alias sound-service-0-1 snd-seq-oss
alias sound-service-0-3 snd-pcm-oss
alias sound-service-0-8 snd-seq-oss
alias sound-service-0-12 snd-pcm-oss
install sound-slot-0 /sbin/modprobe --ignore-install sound-slot-0 && {
/bin/aumix-minimal -f /etc/.aumixrc -L >/dev/null 2>&1; /bin/true; }
remove sound-slot-0 { /bin/aumix-minimal -f /etc/.aumixrc -S >/dev/null 2>&1;
/bin/true; }; /sbin/modprobe -r --ignore-remove sound-slot-0
```