

## Six steps to install TDM800 driver(ystdm8xx) for Trixbox

Please make sure that Trixbox is already installed and network is setuped

Step 1. Execute below commands to get zaptel source code from digium website

```
# cd /usr/src
# wget http://ftp.digium.com/pub/zaptel/releases/zaptel-1.2.16.tar.gz
# tar xzvf zaptel-1.2.16.tar.gz
```

Step 2. Execute below commands to get TDM800 patch file from yeastar website

```
# cd /usr/src
# wget http://www.yeastar.com/download/ystdm8xx-zaptel-1.2.16.patch.tar.gz
other version patch files for Zaptel click here
Note: if you zaptel version is zaptel-1.4.1,
the link is http://www.yeastar.com/download/ystdm8xx-zaptel-1.4.1.patch.tar.gz
```

```
# tar xzvf ystdm8xx-zaptel-1.2.16.patch.tar.gz
# patch -p0 < ystdm8xx-zaptel-1.2.16.patch
```

Step 3. Execute below commands to get kernel source code

```
# uname -r
2.6.9-34.0.2.EL or 2.6.9-34.0.2.ELsmp
# yum install kernel-devel-2.6.9-34.0.2.EL (if uname -r = 2.6.9-34.0.2.EL)
or
# yum install kernel-smp-devel-2.6.9-34.0.2.EL (if uname -r = 2.6.9-34.0.2.ELsmp)
```

Step 4. Fix kernel source code bug

```
# vi /usr/src/kernels/2.6.9-34.0.2.EL-i686/include/linux/spinlock.h (if uname -r =
2.6.9-34.0.2.EL)
in line 407
Original:
```

```
#define DEFINE_RWLOCK(x)      rw_lock_t x = RW_LOCK_UNLOCKED
```

Modified:

```
#define DEFINE_RWLOCK(x)      rwlock_t x = RW_LOCK_UNLOCKED
```

Step 5. Rebuild zaptel

```
# cd /usr/src/zaptel-1.2.16
# make clean;make install
# make config
```

Step 6. Config FXS / FXO

```
# genzaptelconf
```

# **reboot**

ystdm8xx driver module will be loaded and TDM800 LED be lighted.

(Finish)