

Installation of the modem V9x DSP under Mandriva 2006

Requirements:

- Intel driver for the modem 536ep (**Intel-536EP-4.71.tgz**). Look at <http://developer.intel.com/design/modems/support/drivers.htm> for downloading.
- Login as **root** and work with *console*
- You have to install the packages **kernel-source** (adequate to your kernel version) and **kdenetwork-kppp** for KPPP

Installation:

1. Copy the driver **Intel-536EP-4.71.tgz** into the directory **/usr/src**.
2. Go into this directory **/usr/src**
3. Unzipped the driver with the command **tar - Intel-536EP-4.71.tgz**
4. This will create the a new directory called *intel-536*
5. Change into this directory.
6. Set the commands
make clean
make 536
make install
If you get the error "make command not found" install the kernel-sources!
7. Now you can find the device 536ep at **/dev**. The driver also creates a link from **/dev/modem** to **/dev/536ep** for using KPPP.

Configuration:

1. MINICOM:

minicom is not a package of the standard installation and has to be installed additional. Start the program with the command *minicom -s*. With the arrow keys and the return taste go to "serial port setup" and change the entry for *A* into **/dev/modem** and for *E* into **115200 8 n 1** . Change these settings with "save setup as dff" and click on "exit". Now the terminal program is starting and you can communicate with modem with at commands. Check the country settings with **ATI12** and change it with the command **AT+GCI=xx** (xx= B4 for UK, 7B for the Netherlands, 3D for France, B5 for USA).

0A	AUT (43) Österreich – Austria
31	DNK (45) Dänemark – Denmark
3D	FRA (33) Frankreich – France
04	DEU (49) Deutschland – Germany
7B	NLD (31) Niederlande – The Netherlands
A6	CHE (41) Schweiz – Suisse
B4	GBR (44) Großbritannien – United Kingdom
B5	USA

Now try to make a connection with the command **ATDT[phone number of a provider][enter]**.

2. KPPP connection:

to configure a KPPP connection look at your distribution manual. Check the modem init. It should be AT&F.