

Installation of the modem V9x DSP under Mandrake 10.0

Requirements:

- Intel driver for the modem 536ep (**intel-536EP-2.56.76.0.tgz**). Look at <http://linmodems.technion.ac.il/resources.html> 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-3.1.3-37mdk** for KPPP

Installation:

1. Copy the driver **intel-536EP-2.56.76.0.tgz** into the directory **/usr/src**.
2. Go into this directory **/usr/src**
3. Unzipped the driver with the command **tar – intel-536EP-2.56.76.0.tgz**
4. This will create the a new directory called *intel-536EP-2.56.76.0*
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 df*” and click on “*exit*”. Now the terminal program is starting and you can communicate with modem with at commands. Check the country settings with **AT112** 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.