

Installation of the modem V9x HAM under Mandrake 9.2

Requirements:

- Intel driver for the modem HAM (**Intel-V92ham-453.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** and **kdenetwork-kppp-3.1.3-37mdk** for KPPP

Installation:

1. Copy the driver into the directory **/usr/src**.
2. Go into this directory **/usr/src**
3. Unzipped the driver with the command **tar -xzvf [archivename].tgz**
4. This will create the a new directory called **Intel...** (e.g. Intel-v92ham-453)
5. Change into this directory.
6. Set the commands
make clean
make ham
make install
If you get the error "make command not found" install the kernel-sources!
7. Now you can find the device ham at **/dev**. The driver also creates a link from **/dev/modem** to **/dev/ham** for using KPPP.

Check the functionality:

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).
Now try to make a connection with the command **ATDT[phone number of a provider][enter]**.
2. KPPP connection:
Configure the modem with drake connect. Check the modem init. It should be AT&F. For more information look at your distribution manual.