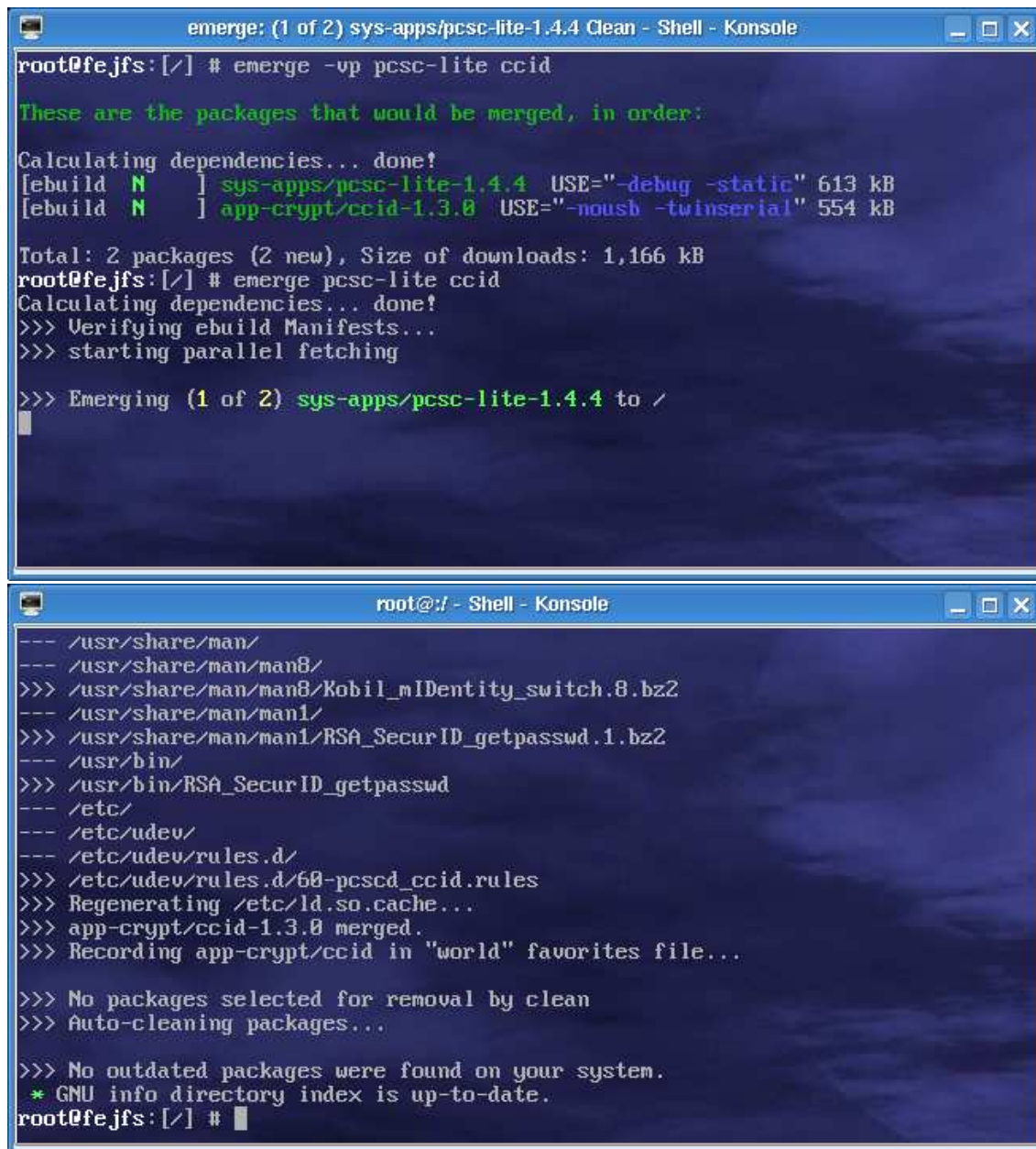


Matrica Moneyplex with Kobil KAAN Advanced Gentoo Howto

1 Install the necessary packages "pcsc-lite" and "ccid"



```
emerge: (1 of 2) sys-apps/pcsc-lite-1.4.4 Clean - Shell - Konsole
root@fejfs:[/] # emerge -vp pcsc-lite ccid

These are the packages that would be merged, in order:

Calculating dependencies... done!
[ebuild N ] sys-apps/pcsc-lite-1.4.4 USE="-debug -static" 613 kB
[ebuild N ] app-crypt/ccid-1.3.0 USE="-nouse -twinserial" 554 kB

Total: 2 packages (2 new), Size of downloads: 1,166 kB
root@fejfs:[/] # emerge pcsc-lite ccid
Calculating dependencies... done!
>>> Verifying ebuild Manifests...
>>> starting parallel fetching

>>> Emerging (1 of 2) sys-apps/pcsc-lite-1.4.4 to /
█

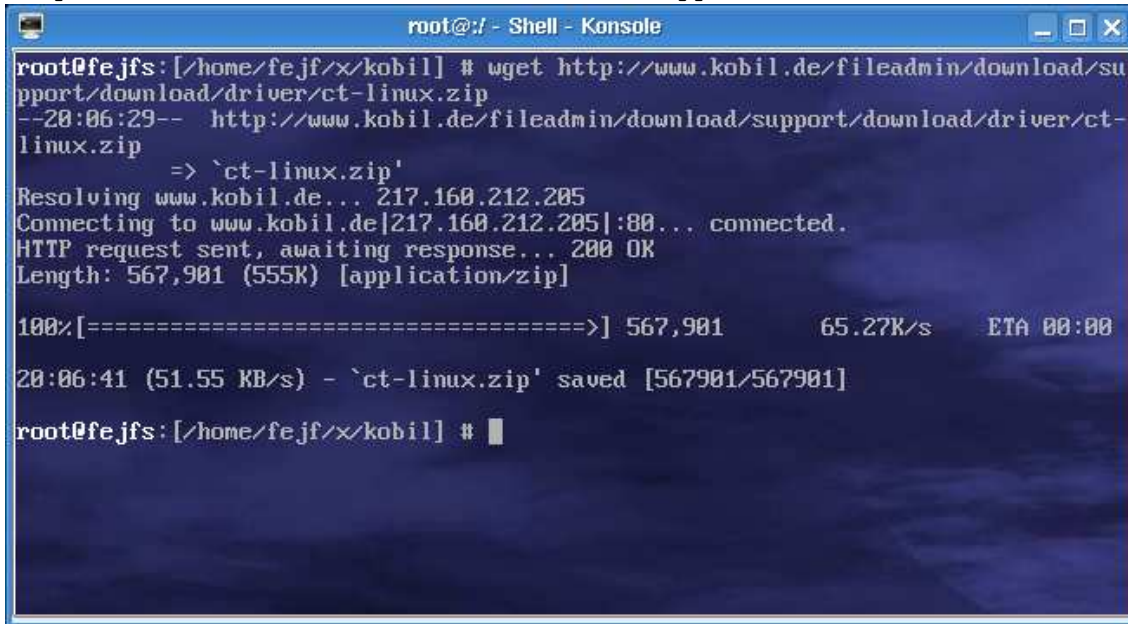
root@:/ - Shell - Konsole
--- /usr/share/man/
--- /usr/share/man/man8/
>>> /usr/share/man/man8/Kobil_mIDentity_switch.8.bz2
--- /usr/share/man/man1/
>>> /usr/share/man/man1/RSA_SecurID_getpasswd.1.bz2
--- /usr/bin/
>>> /usr/bin/RSA_SecurID_getpasswd
--- /etc/
--- /etc/udev/
--- /etc/udev/rules.d/
>>> /etc/udev/rules.d/60-pcscd_ccid.rules
>>> Regenerating /etc/ld.so.cache...
>>> app-crypt/ccid-1.3.0 merged.
>>> Recording app-crypt/ccid in "world" favorites file...

>>> No packages selected for removal by clean
>>> Auto-cleaning packages...

>>> No outdated packages were found on your system.
* GNU info directory index is up-to-date.
root@fejfs:[/] # █
```

2 Download the Kobil drivers from the Kobil website

<http://www.kobil.de/fileadmin/download/support/download/driver/ct-linux.zip>



```
root@fejfs: [/home/fejfs/x/kobil] # wget http://www.kobil.de/fileadmin/download/su
pport/download/driver/ct-linux.zip
--20:06:29--  http://www.kobil.de/fileadmin/download/support/download/driver/ct-
linux.zip
=> `ct-linux.zip'
Resolving www.kobil.de... 217.160.212.205
Connecting to www.kobil.de[217.160.212.205]:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 567,901 (555K) [application/zip]

100%[=====>] 567,901      65.27K/s   ETA 00:00

20:06:41 (51.55 KB/s) - `ct-linux.zip' saved [567901/567901]

root@fejfs: [/home/fejfs/x/kobil] #
```

3 Unpack and install the drivers

```
root@fe.jfs: [~/home/fejf/x/kobil] # dir
total 580
drwxr-xr-x 5 fejf fejf 4096 Sep 3 20:07 .
drwxr-xr-x 8 fejf fejf 4096 Sep 3 20:07 ..
-rw-r--r-- 1 root root 567901 Aug 17 09:42 ct-linux.zip
drwxr-xr-x 2 root root 4096 Aug 14 15:04 ct-linux32
drwxr-xr-x 2 root root 4096 Aug 14 15:04 ct-linux64
drwxr-xr-x 2 root root 4096 Aug 14 15:04 installation
root@fe.jfs: [~/home/fejf/x/kobil] # cd installation/
root@fe.jfs: [~/home/fejf/x/kobil/installation] # dir
total 188
drwxr-xr-x 2 root root 4096 Aug 14 15:04 .
drwxr-xr-x 5 fejf fejf 4096 Sep 3 20:07 ..
-rw-r--r-- 1 root root 175807 Aug 14 14:42 kobil-install.tgz
-rw-r--r-- 1 root root 1265 Aug 17 10:39 readme.txt
root@fe.jfs: [~/home/fejf/x/kobil/installation] # tar -xzf kobil-install.tgz
root@fe.jfs: [~/home/fejf/x/kobil/installation] # dir
total 192
drwxr-xr-x 3 root root 4096 Sep 3 20:08 .
drwxr-xr-x 5 fejf fejf 4096 Sep 3 20:07 ..
drwxrwxrwx 2 fejf users 4096 Aug 14 14:36 install
-rw-r--r-- 1 root root 175807 Aug 14 14:42 kobil-install.tgz
-rw-r--r-- 1 root root 1265 Aug 17 10:39 readme.txt
root@fe.jfs: [~/home/fejf/x/kobil/installation] # cd install/
root@fe.jfs: [fejf/x/kobil/installation/install] # dir
total 440
drwxrwxrwx 2 fejf users 4096 Aug 14 14:36 .
drwxr-xr-x 3 root root 4096 Sep 3 20:08 ..
-rw-r--r-- 1 fejf users 383 Aug 14 14:31 .CT_devices
-rwxr-xr-x 1 fejf users 7814 Aug 14 14:31 Info.plist.101
-rwxr-xr-x 1 fejf users 17857 Aug 14 14:31 cardping
-rwxr-xr-x 1 fejf users 8832 Aug 14 14:31 cardping64
-rwxr-xr-x 1 fejf users 1209 Aug 14 14:31 install
-rwxr-xr-x 1 fejf users 1232 Aug 14 14:31 install64
-rwxr-xr-x 1 fejf users 597 Aug 14 14:31 installuser
-rwxr-xr-x 1 fejf users 599 Aug 14 14:31 installuser64
-rwxr-xr-x 1 fejf users 173260 Aug 14 14:31 libct.so
-rwxr-xr-x 1 fejf users 190199 Aug 14 14:31 libct64.so
-rwxr-xr-x 1 fejf users 271 Aug 14 14:31 readme.Info.plist
root@fe.jfs: [fejf/x/kobil/installation/install] # ./install
```

4 There may be some errors (worked for me anyway)

```
root@:/ - Shell - Konsole
Kobil Systems GmbH
Install Script fuer KAAM Advanced und SecOVID Reader III

#####
# Bitte schliessen Sie den USB Leser an #
# und druecken dann die Enter-Taste   #
#####

Bitte warten...
./cardping: error while loading shared libraries: libstdc++-libc6.2-2.so.3: cannot open shared object file: No such file or directory

CT_Reset: 0 bedeutet Kartenleser gefunden.

Die Installation ist damit beendet.

Wenn nun eine Chipkarte eingelegt wird, dann
gibt es Ausgaben in einem der Fenster:
z. B. Card ATR: und eine Zeichenkette.

Danach sollte der PC neu gestartet werden.

root@fejfs: [fejf/~/kobil/installation/install] #
```

```
root@:/ - Shell - Konsole
Kobil Systems GmbH
Install Script fuer KAAM Advanced und SecOVID Reader III

#####
# Bitte schliessen Sie den USB Leser an #
# und druecken dann die Enter-Taste   #
#####

Bitte warten...
Going to call CT_init
CT_init (Port 1): -1
CT_Reset: -1

CT_Reset: 0 bedeutet Kartenleser gefunden.

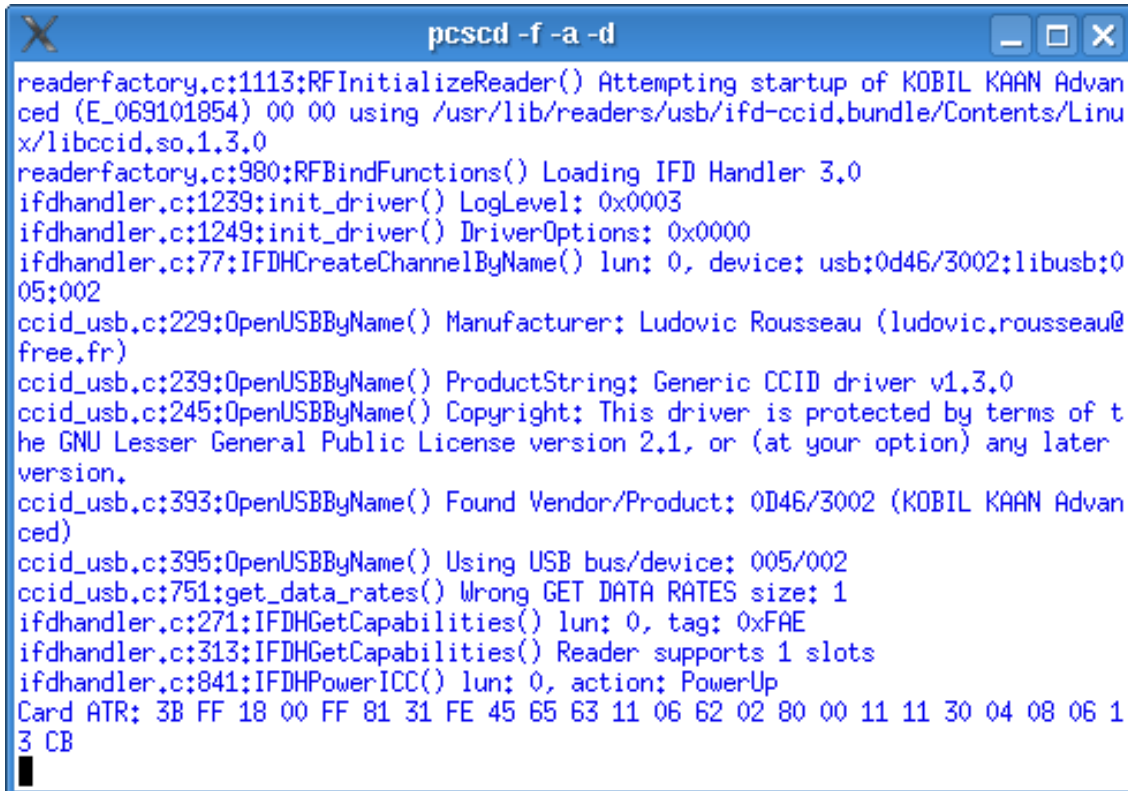
Die Installation ist damit beendet.

Wenn nun eine Chipkarte eingelegt wird, dann
gibt es Ausgaben in einem der Fenster:
z. B. Card ATR: und eine Zeichenkette.

Danach sollte der PC neu gestartet werden.

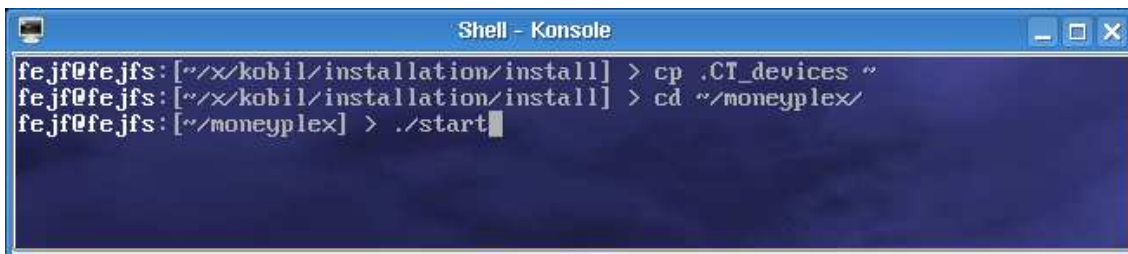
root@kobayashi: [fejf/~/kobil/installation/install] #
```

5 The debug output of pcscd should include a line with "Found Vendor/Product" and "Card ATR"



```
pcscd -f -a -d
readerfactory.c:1113:RFInitializeReader() Attempting startup of KOBIL KAAN Advanced (E_069101854) 00 00 using /usr/lib/readers/usb/ifd-ccid,bundle/Contents/Linux/libccid.so.1.3.0
readerfactory.c:980:RFBindFunctions() Loading IFD Handler 3.0
ifdhandler.c:1239:init_driver() LogLevel: 0x0003
ifdhandler.c:1249:init_driver() DriverOptions: 0x0000
ifdhandler.c:77:IFDHCreateChannelByName() lun: 0, device: usb:0d46/3002:libusb:005:002
ccid_usb.c:229:OpenUSBBByName() Manufacturer: Ludovic Rousseau (ludovic.rousseau@free.fr)
ccid_usb.c:239:OpenUSBBByName() ProductString: Generic CCID driver v1.3.0
ccid_usb.c:245:OpenUSBBByName() Copyright: This driver is protected by terms of the GNU Lesser General Public License version 2.1, or (at your option) any later version.
ccid_usb.c:393:OpenUSBBByName() Found Vendor/Product: 0D46/3002 (KOBIL KAAN Advanced)
ccid_usb.c:395:OpenUSBBByName() Using USB bus/device: 005/002
ccid_usb.c:751:get_data_rates() Wrong GET DATA RATES size: 1
ifdhandler.c:271:IFDHGetCapabilities() lun: 0, tag: 0xFAE
ifdhandler.c:313:IFDHGetCapabilities() Reader supports 1 slots
ifdhandler.c:841:IFDHPowerIC() lun: 0, action: PowerUp
Card ATR: 3B FF 18 00 FF 81 31 FE 45 65 63 11 06 62 02 80 00 11 11 30 04 08 06 13 CB
```

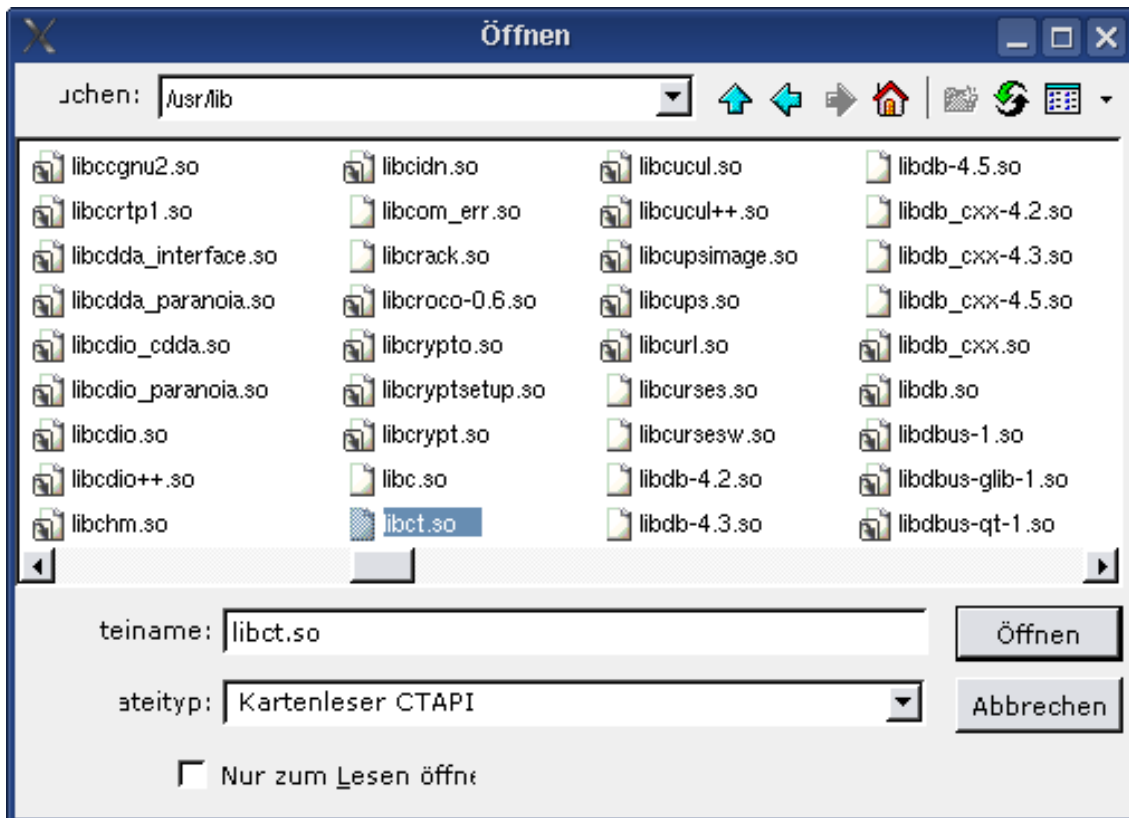
6 Copy the .CT_devices file to your home directory and start moneyplex



```
Shell - Konsole
fejfe@fejfs: [~/kobil/installation/install] > cp .CT_devices ~
fejfe@fejfs: [~/kobil/installation/install] > cd ~/moneyplex/
fejfe@fejfs: [~/moneyplex] > ./start
```

7 Change the Moneyplex Settings: libct can be found in /usr/lib/libct.so





8 That should work now. If not try to run it as user "root" (copy your .CT_devices first) and try to restart /etc/init.d/pcscd