

# Vodafone Mobile Connect Card Driver for Linux 1.0

## Installation guide

Pablo Martí Gamboa

pmarti@warp.es

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## 1. Support Matrix

Some cards need particular kernel versions, or modules which are not provided by default. The next table shows main support differences between distributions, and known workarounds.

**Table 1. Support Matrix**

Distribution	Huawei E220	Huawei E620	Option GlobeTrotter 3G+ EMEA
Ubuntu 7.04 Feisty Fawn	Yes	Needs kernel <= 2.6.18.4 <sub>a</sub>	Yes
Fedora 7	Yes	Needs kernel <= 2.6.18.4 <sub>a</sub>	Needs nozomi's RPM <sub>b</sub>
SuSE Linux Enterprise Desktop 10.1	Yes	Yes	Yes
Notes: a. There's a regression affecting some devices. See <a href="http://bugzilla.kernel.org/show_bug.cgi?id=8830">http://bugzilla.kernel.org/show_bug.cgi?id=8830</a> b. Fedora's stock kernel does not provide nozomi module, required to use this device. You can get it from Vodafone Betavine's Forge: <a href="https://forge.vodafonebetavine.net/frs/?group_id=12">https://forge.vodafonebetavine.net/frs/?group_id=12</a>			

There are also backported and experimental packages for:

- Guadalinex (<http://www.guadalinex.org>) V4: Ubuntu 7.04 spanish derivative from Junta de Andalucía (<http://www.juntadeandalucia.es>), developed by Emergya (<http://emergya.info>) (Contributed, Deprecated)
- Guadalinex (<http://www.guadalinex.org>) V4.1: Ubuntu 7.04 spanish derivative from Junta de Andalucía (<http://www.juntadeandalucia.es>), developed by Emergya (<http://www.emergya.info>) (Contributed, Running as of 0.9.3, Feisty Packages should run)
- LinEx: Debian Etch spanish derivative from Junta de Extremadura, developed by Junta de

Extremadura 0.9.6 deb package available

([http://montesinos.linex.org/linex2007-etch/debian/dists/etch/gnulinex/binary-i386/vodafone-mobile-connect-card-driver-for-linux\\_0.9.6~linex1\\_all.deb](http://montesinos.linex.org/linex2007-etch/debian/dists/etch/gnulinex/binary-i386/vodafone-mobile-connect-card-driver-for-linux_0.9.6~linex1_all.deb)) (Contributed, Untested)

- Ubuntu Gutsy Gibbon 7.10 (Tested with 1.0, seems to work ok)
- Ubuntu Edgy Edge 6.10 (Deprecated)
- OpenSuse 10.2 (Untested)
- OpenSuse 10.3 (Untested)
- Fedora Core 6 (Deprecated)

Experimental or contributed devices which have been reported to be working to some extent are:

- Huawei E270
- Huawei E660A
- Option GlobeSurfer Icon
- Option GT Fusion
- Option GT Fusion Quad Lite
- Option GT Max 3.6
- Novatel U630

## 2. Ubuntu

### 2.1. Ubuntu 7.04 (Feisty Fawn)

**Note:** You need to add the Community Maintained repository (Universe) to be able to install some dependencies. If you are not subscribed to it, please follow the next steps:

1. Click "System" > "Administration" > "Software Sources"

Software Sources



2. Click on "Community-maintained Open Source software (universe)" checkbox ("Ubuntu Software" tab)
3. Click "Close"
4. Click "Reload" if you're prompted to refresh the information about available software

You can get more information about Ubuntu's repositories at <https://help.ubuntu.com/community/Repositories/Ubuntu>

1. Download latest deb package from Vodafone Betavine's Forge
2. Double click over deb file
3. Click "Install package"

## 3. Fedora

### 3.1. Fedora 7 (Moonshine)

**Note:** If you are willing to use an Option 3G card, you will need to install nozomi's kernel module from one of the Betavine's provided RPM packages, or recompile by yourself. This module is included in kernel.org's vanilla kernel but removed by Fedora packaging. To install it:

1. Look if your kernel version is included in Vodafone Betavine's Forge nozomi module packages. Else, you'll have to compile it.
2. Download RPM package from Vodafone Betavine's Forge
3. Double click over RPM file
4. You'll be warned because Fedora is unable to verify kernel module's package. Click "Install anyway"

If you want to compile to another kernel version:

1. Download nozomi module source from <http://ftp.debian.org/debian/pool/main/n/nozomi/.orig.tar.gz> file
2. Uncompress and follow readme file's instructions

1. Open a terminal
2. Install gksu and its dependencies:

```
rpm -i http://ftp.freshrpms.net/pub/dag/dries/packages/libgksu/fc5-i386/libgksu-1.3.7-1.  
rpm -i http://ftp.freshrpms.net/pub/dag/dries/packages/libgksuui/fc5-i386/libgksuui-1.0.  
rpm -i http://ftp.freshrpms.net/pub/dag/dries/packages/gksu/fc5-i386/gksu-1.3.4-1.2.fc5.  
.rpm
```

3. Download RPM package from Vodafone Betavine's Forge
4. Double click over RPM file and let the system install any missing dependencies
5. Follow the instructions to add your users to the pointed groups:

```
gpasswd -a $USERNAME uucp  
gpasswd -a $USERNAME dip
```

(Replace \$USERNAME with your username)

6. Log out and log into a new session to get your environment updated.

## 4. SuSE Linux Enterprise Desktop (SLED)

### 4.1. SLED 10.1

1. Download latest SLED 10.1 package from Vodafone Betavine's Forge
2. Open a root terminal
3. As root user, run the downloaded file from the terminal:

```
./vodafone-mobile-connect-card-driver-for-linux-1.0-SLED101.i586.sh
```

Let the autoinstaller prepare your system.

4. Follow the instructions to add yours users to the pointed groups:

```
/usr/sbin/usermod $USERNAME -G uucp , dialout
```

(Replace \$USERNAME with your username)

5. Log out and log into a new session to get your environment updated.

## 5. Other

If Vodafone Mobile Connect Card driver for Linux is not included in your distribution, you can still install it using your package system (.deb on Debian/Ubuntu-based systems, .rpm in Fedora, Mandriva,

SUSE, etc). Before doing so, make sure you have the needed dependencies installed. If you use some other kind of distribution, you will probably need to install the program from its source code (see the documentation).

Vodafone Mobile Connect Card driver for Linux dependencies, using deb package names as reference, are:

- gksu (gnomesu on SLED systems)
- hal
- python-dbus
- python-glade2
- python-gnome2
- python-gnome2-extras
- python-notify
- python-pysqlite2
- python-serial
- python-twisted
- wvdial

You will need to have gksu or gnomesu installed in order to be able to connect to the Internet. Those programs will ask for the superuser's password before establishing the connection.

On Debian-based systems, your username must be a member of the "dip" group in order to be able to establish an Internet connection. On Suse or Fedora systems, you also need to include it in "uucp" group.

Please refer to INSTALL file for other minor quirks.

## 6. More help

For more help about this application, please refer to Vodafone Betavine's Forge project page:

- Main forum's page ([https://forge.vodafonebetavine.net/forum/?group\\_id=12](https://forge.vodafonebetavine.net/forum/?group_id=12))
- Help forum (user-oriented) ([https://forge.vodafonebetavine.net/forum/forum.php?forum\\_id=20](https://forge.vodafonebetavine.net/forum/forum.php?forum_id=20))
- Development forum ([https://forge.vodafonebetavine.net/forum/forum.php?forum\\_id=21](https://forge.vodafonebetavine.net/forum/forum.php?forum_id=21))