



**Vodafone Mobile Broadband
for Linux
Help Document**



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Welcome

Your **Vodafone Mobile Broadband for Linux** software lets you connect your computer to the internet over the Vodafone high-speed mobile phone network.

Browse the web

You can now access the **web** and any other internet service wherever there's a mobile phone network.

Pick up emails

Keep up to date with your **email**, wherever you are – even web-based personal accounts like Hotmail.

Send and receive SMS text messages*

You can send and receive **SMS text messages** straight from your computer. The SMS software provides an easy way to view messages, write new ones, and manage contact details.

Data Tariff

If using your phone as a modem, please ensure you have a suitable tariff. Transferring large volumes of data, such as music or video, without a suitable tariff, may incur high charges. Please check with your customer support team if you are in any doubt.

System Requirements

- A supported mobile device**
- A computer with Ubuntu 8.04 or 8.10, 32 bit or 64 bit
- A USB or USB 2.0 socket for USB devices
- An ExpressCard slot for ExpressCards
- An administrator password to install the software.

* Not supported by all operators, or mobile phones.

** See www.support.vodafone.com for a list of supported devices.

Connecting via a USB Stick or Modem

To start using your USB device with the software:

- Insert your SIM into your device
- Plug the device into a free USB port on your computer
- A Vodafone Mobile Broadband disk will appear on your desktop
- Double-click the Vodafone Mobile Broadband installation package
- Follow the on-screen instructions.

Once the software has been installed, you can click the Vodafone Mobile Broadband application icon in your application menu. The software will start and:

- Identify your device
- Create the correct mobile connection settings
- Select a mobile network
- You may need to logout and log back into your computer to complete the setup.

Once the software is ready to connect, the **Connect** button will be enabled.

Notes

- The Vodafone Mobile Broadband disk will not appear any more once the software has been installed.
- You can set the software to start automatically when you plug in your device in 'Preferences>Start & Quit'.

Connecting via an ExpressCard

To start using your ExpressCard with the software:

- Insert your SIM into the ExpressCard
- Insert the **Vodafone CD** into the CD/DVD drive on your computer, or download the Linux installation package from www.support.vodafone.com
- Double-click the Vodafone Mobile Broadband **installation package**
- Follow the on-screen instructions.

Once the software has been installed:

- Insert your ExpressCard
- Click the Vodafone Mobile Broadband application icon in your application menu.

The software will start and:

- Identify your device
- Create the correct mobile connection settings
- Select a mobile network
- You may need to logout and log back into your computer to complete the setup.

Once the software is ready to connect, the **Connect** button will be enabled.

Notes

- It does not matter if you insert your ExpressCard first, but you will still need to install the Vodafone Mobile Broadband software to connect properly.
- You can set the software to start automatically when you plug in your device in 'Preferences>Start & Quit'.

Connecting via a Mobile Phone

There are two options to start using your phone with the Vodafone Mobile Broadband software:

- Download the **Vodafone Mobile Broadband installation package** from your operator's website, or from www.support.vodafone.com
- Insert the **Vodafone Mobile Broadband CD** included in your package, or provided by your retailer.

Once the Vodafone Mobile Broadband installation package is available on your computer:

- Double-click the Vodafone Mobile Broadband **installation package**
- Follow the on-screen instructions
- You may need to logout and log back into your computer to complete the setup.

Once it has been installed, the software will start automatically whenever you attach your phone, and:

- Identify your phone
- Create the correct mobile connection settings
- Select a mobile network.

Once the software is ready to connect, the **Connect** button will be enabled.

Notes

Your mobile phone may have to be set to a specific **transfer mode** to communicate with the software. Please see your phone documentation for how to select the transfer mode.

- LG - Set the phone to PC Suite
- Nokia - Set to Standard mode or PC Suite
- Samsung - Set to Studio Mode. It is also possible that no particular setting is required
- Huawei - No particular setting is required.

Main View

This view displays the status of your mobile connection. You can open and close a mobile connection using the Connect or Disconnect buttons.

Mobile Connection Module - Top Line

- Mobile network name
- Connection type (eg. HSPA+)
- Signal strength – 5 bars: excellent – No bars: no signal
- Status symbol
 - Green: connection open
 - Clear: connection closed.

Mobile Connection Module - Middle Line

- Duration of the connection
- Speed at which data is being sent ('upload')
- Suitcase symbol when roaming
- HomeZone symbol. If you have a HomeZone tariff*, which enables you to make connections at a lower cost when you are in a defined location, eg. at home, a HomeZone symbol may be shown to indicate this
- Connect button, if not connected
- Disconnect button, if connected.

Mobile Connection Module - Bottom Line

- Volume of data transferred over the current connection
- Speed at which data is being received ('download').

* Not supported by all operators, or mobile phones.

Connections View

The Connections view displays your Mobile connection settings. You can edit, delete or prioritise existing connection settings, or create new custom settings.

Create Mobile Connection Settings

Mobile connection settings are automatically created by the software for the SIM inside any supported device that you attach to your computer. You can therefore connect to any supported mobile network simply by inserting a SIM for that network.

In addition, you can create mobile connection settings manually:

- Double-click the Mobile Connections module to open it
- Click the plus symbol at the bottom left of the module
- Enter your desired settings in the settings sheet.

New mobile settings are based by default on the current or most recently used SIM.

Edit Mobile Connection Settings

- Double-click the Mobile Connections module to open it
- Select the settings you want to edit in the list
- Click the 'Edit' button at the bottom right of the module
- Edit the settings in the settings sheet.

Click the icons at the top of the settings sheet to select the settings you want to edit, and then edit them in the main part of the sheet. Changes to the settings will be saved as soon as you click 'OK' to close the sheet.

Delete Mobile Connection Settings

- Double-click the Mobile Connections module to open it
- Select the settings you want to delete in the list
- Click the minus button at the bottom left of the module.

Prioritising Connections

You can drag mobile connection settings up or down inside the Mobile Connections module to prioritise them. The software checks through the list from the top, and opens a connection using the first mobile settings that match the current SIM and mobile network.

Mobile Connection Settings

Mobile connection settings comprise the following items:

Connection Behaviour

This drop-down menu defines how the software behaves when a new connection is detected that could be used with these connection settings. There are three possibilities:

- Automatic
Connects as soon as a new connection is detected. This can be:
 - As soon as the software is started
 - When the connection comes into range.
- Prompt
Opens the New Connection Found window, if
 - You are not connected and a connection becomes available that fits these settings
 - You are connected already but you have given the new connection a higher priority in the Connections view.
- Manual
The software displays any new connection found, but does not connect automatically, and does not prompt you about any new connections. If you want to connect, you can click one of the Connect buttons.

Name

Standard settings are named according to the mobile network operator that provided the SIM for which the settings were created. If you edit standard settings, or create some manually, you can give them a name yourself.

Networks

This setting allows you to define the networks in which the settings should be used as follows:

- **Own network only**
The settings will only be used when your SIM and phone are located in your mobile operator's network. This prevents roaming onto other networks.
- **Other networks only**
The settings will only be used when your SIM and phone are located in another mobile operator's network, not when they are in your own operator's network.
- **All networks**
The settings will be used for any mobile network, whether or not it is your mobile operator's network.

Select Network

Normally, the software will pick the best network for you automatically. Selecting this sheet scans for all mobile networks available in your current location, and you can then pick a particular network from the list yourself.

APN

The 'Access Point Name' is the connection point in the mobile network that allows you to connect to the internet. The APN address is normally set for you automatically by the software, but if required, you can enter an APN manually here.

Some APNs ask for a user name and password to allow connection, but these fields may also be empty.

IP/DNS

These settings control how your computer identifies itself and other computers in the internet, and are normally set for you automatically by the software. If required, you can enter your own settings manually here.

Note: Incorrect settings for APN and IP/DNS may prevent you from opening a connection.

Usage View

This view displays how much data you have sent or received, or how much time you have spent online, during the current or most recent connection. You can set whether the bar in the Usage view shows data or time via the Preferences.

Note: The Usage view only presents a rough guide to usage. Please refer to your bill for final amounts and charges.

Online Bill*

If an Online Bill button is displayed, it will open your customer account web page, hosted on your mobile network operator's website. The information on your account web page will match the amounts that will be shown on your bill.

Preferences

This button allows you to adjust the details displayed in the Usage view, and to set limits and warnings.

* Not supported by all operators.

Usage Preferences

Display

This preference sets which data should be shown in the Usage view diagram:

- Data volume transferred
The diagram will show the volume of data sent and received during the current or most recent connection.
- Time connected
The diagram will show the length of time the current or most recent connection was open.

Limits

This preference sets a volume or time limit for any connection that is opened:

- Volume limit
Megabytes of data that will be sent and received before a warning is shown.
- Time limit
Number of hours a connection can be open before a warning is shown.

Note: The Limits are for your information only. They will warn you when the limit has been reached, but they will not stop you from connecting, or close a connection that is open.

Warnings

- Warn before reaching limit
Shown before the limit has actually been reached, so that you know it is approaching.
- Warn when limit reached or exceeded
Shown once the limit has been reached, and thereafter before a connection is opened.

Devices View

The devices view displays a prioritised list of all the devices – USB sticks, modems, data cards or phones – that you have used with the Vodafone Mobile Broadband software.

Adding Devices

Supported devices are added to the bottom of the devices list as soon as the software identifies them.

Prioritising Devices

The list is prioritised from the top, from 1 downwards. The topmost device in the list that is available will be used to connect.

Click a device in the list and drag it upwards to give it a higher priority, or downwards to give it a lower priority.

The priority number at the left of each module will update once you have changed the order of the devices.

Deleting Devices

- Select the device in the list
- Click the minus symbol at the bottom left of the list.

Device Modules

Each device is represented in the list by a device module. Each device module displays the following items:

- Priority Number
The number shows the priority of the device in the list, starting at 1 and descending down the list. If you only use one device with the software, it will always be number 1.
- Device Type Icon
The icon reflects the type of device you are using: USB stick, USB modem, data card or phone.

- **Device Name**

The name of the device you are using.

- **Use for SMS Radio Button**

If you have more than one device that can send and receive SMS available at the same time, this option allows you to pick one device to manage SMS, excluding any others. This prevents contacts and SMS being synchronised with all devices, and restricts sending and receiving SMS to the chosen device.

- **Network Preference Drop-down Menu**

This menu shows the network preferences available with your device. These will vary according to the device you are using, but will include options similar to the following:

- **3G Preferred**

This sets the device to connect using a 3G network if one is available. If 3G is not available, the device will select another network and connect using that instead, and return to 3G as soon as possible afterwards.

- **3G Only**

This sets the device to only connect if a 3G network is available. The device will ignore any other network types.

- **GPRS Preferred**

This sets the device to connect using a GPRS network if one is available. If GPRS is not available, the device will select another network and connect using that instead, and return to GPRS as soon as possible afterwards.

- **GPRS Only**

This sets the device to only connect if a GPRS network is available. The device will ignore any other network types.

If one of these options is not available it may be greyed out in the list or not present at all. Further options may be shown in the menu, if your device supports further network types.

SMS Window*

Using the SMS software, you can send and receive SMS text messages using your mobile device.

To open the SMS window:

- Click the SMS envelope icon at the bottom left of the Vodafone Mobile Broadband application window, or
- Select 'SMS' from the Vodafone Mobile Broadband icon menu.

The SMS window displays a three-pane view for managing your text messaging, comprising:

- Toolbar at the top
- Menu bar on the left-hand side
- Messages list on the top right-hand side
- Messages pane on the bottom right-hand side.

SMS Toolbar

The toolbar presents the following buttons:

- **New SMS**
Click this button to open the 'New SMS' window, and begin writing a new SMS.
- **Reply**
When you have selected an SMS in the SMS list, you can click this button to reply to the selected SMS. The 'New SMS' window is opened with the recipient of the SMS already entered in the 'To:' field.
- **Forward**
When you have selected an SMS in the SMS list, you can click this button to forward the content of the SMS to someone else. The 'New SMS' window is opened, and the text of the original message is shown in the message field.

* Not supported for phones – please use your phone as normal.

SMS Menu Bar

The menu bar shows five standard folders, together with any custom folders that you define. The standard folders are:

- **Inbox**
Select this folder to list all new messages collected from your current mobile device.
- **Outbox**
Select this folder to list all messages that are waiting to be sent. For example, if you write a message and send it when your mobile device is not attached, it will be queued in this folder. When you attach your device again, the message will be sent as soon as possible.
- **Sent**
This folder lists all the messages that you have sent.
- **Drafts**
Select this folder to list all messages that you have begun writing but not yet sent.
- **Deleted**
This folder contains any messages that you have deleted. To remove messages completely:
 - Select the message or messages to delete
 - Press the Delete key.

Create New SMS Folder

- Click the plus symbol at the bottom of the SMS menu bar
- Give your new SMS folder a name
- Click away from the name to finish editing it.

Delete SMS Folder

- Select the folder you want to delete in the SMS menu bar
- Right-click the folder and select 'Delete'. Any messages contained in the folder will be deleted immediately.

SMS Lists

When you select a folder in the SMS menu bar, all the messages it contains are listed in the top right-hand pane of the SMS window. You can sort this list by clicking on any of the column headers, in descending or ascending order.

New SMS Window*

Use the 'New SMS' window to write and send new SMS text messages. To open the New SMS window:

- Click 'New SMS' on the SMS toolbar.

New SMS Toolbar

The New SMS window has its own toolbar, with the following three buttons:

- Send
Click this button to send the SMS to the recipients entered in the 'To:' field at the top of the New SMS window.
- Save
Click this button to save the SMS into the 'Drafts' folder. Closing the New SMS window without saving will lose any changes you have made since you last saved the message.
- Cancel
Click this button to close the window. If you have not previously saved the SMS, it will be discarded completely.

'To:' Field

Use the To: field to address an SMS to one or more recipients. You can enter phone numbers into the field directly as follows: country code followed by network code followed by number. Leave out any leading zeroes on the network code.

* Not supported for phones – please use your phone as normal.

System Menu Bar Icon

The Vodafone Mobile Broadband software will display a small icon in the system menu bar at the top of your computer's screen. This icon gives quick access to selected software features:

Minimise

Hides the Vodafone Mobile Broadband application window, but leaves any open connections open.

Restore

Opens the Vodafone Mobile Broadband application window, or brings it to the front if it is already open.

Preferences

Opens the application preferences window, described elsewhere in this document.

Connect/Disconnect

Opens or closes a connection directly, without opening the main application window.

SMS

Opens the SMS application window, or brings it to the front if it is already open.

Help

Opens this Help document.

About Vodafone Mobile Broadband

Opens a window containing the full software release number and copyright information.

Quit Vodafone Mobile Broadband

Quits the application, and closes any connections that are open. Sending or receiving SMS is also not possible once the software has been quit.

General Preferences

Notification

In this panel you can define whether the software should notify you about various events, using messages and notifications. The message options are:

- Ask before closing a connection
The software will ask for confirmation before it closes a connection that is open.
- Ask before quitting the software
The software will ask for confirmation before quitting.

When selected for display, notifications appear just below the system menu bar, where the application icon is shown when enabled.

Password

You can enter a password in order to stop any of your preferences being changed. If you wish to do this, enter your password into the field in this panel and click OK.

All preferences can then only be entered if you enter the correct password first. A small padlock icon appears at the bottom of the Preferences window, which you can click in order to unlock the preferences to make changes.

The preferences are locked again as soon as you close the Preferences window. If you wish to remove the password protection, delete the password from the password field – you will need the password in order to do this.

Start & Quit

In this panel you can define if the Vodafone Mobile Broadband software should start or quit automatically:

- **Start when a mobile device is plugged in or switched on**
Starts the software whenever you insert a data card or USB device, or when you switch on a device that is already attached. This is useful if you want the software to start whenever you attach a phone, for example.
- **Quit when the last mobile device is unplugged or switched off**
This will exit the software when no mobile devices are available any more. This is useful if you want the software to exit whenever you detach a USB stick, for example.

Account Type Preference

When you installed Vodafone Mobile Broadband, you may have been asked to select an account type. After installation, you can change the account type using this preference setting.

Contract

Select this when you receive a monthly bill from your mobile network operator for making data connections.

Prepay

Select this when you pay in advance for using the mobile network.

WebSessions*

This account type connects via the mobile network and takes you to your operator's WebSessions page. You can then select the length of time to remain connected and how to pay for the connection.

Note: The account type you select must match the data tariff you have booked, otherwise you may not be able to connect, or you may be charged more than necessary for connecting.

* Not supported by all operators.

Language Preference

By default, the Vodafone Mobile Broadband software uses the same language as you have selected for Linux, or English if the system language is not available.

If you would prefer to use a different language, de-select the checkbox labelled 'Use system language', and select your desired language from the drop-down menu.

Note: You will need to re-start the software to use the new language.

PIN Preferences

Your PIN is a number with between four and eight digits. Together with your SIM, your PIN identifies you to the mobile network. You have to have your SIM in your device and enter your PIN in order to open a mobile connection.

Some mobile network operators do not require a PIN for their SIMs. You will be informed about your PIN when you receive your SIM.

If you are using different SIMs, the options displayed are always for the current SIM, and they may therefore change when you insert a different SIM.

Change PIN*

This changes the PIN code saved on your SIM. To change the code, you must first enter the current code, followed by your new code. Click 'Change' to save the new code onto your SIM.

Note: If you enter the wrong PIN code three times in succession your SIM will be locked. You then need the ten-digit PUK from your mobile network operator to unlock the SIM again.

* Not supported for phones – please manage PINs on your phone.

Hints and Tips

If you don't see your mobile device in the list of devices

- Quit the software and remove your device
- Re-start your computer
- Start the software and insert your device.

If no network can be found

- Change your physical location: in a building, move closer to a window, move higher up, or go outside
- Contact Support, and check that data services and roaming are enabled on your account.

If no connection can be opened

- Wait a few minutes and try to connect again. This is most often a temporary problem
- Remove and re-attach your mobile device
- Quit the software completely, and then re-start it
- Re-start your computer
- Start the Vodafone Mobile Broadband software, and select one of the other Network Preferences for the current device in the Devices view, eg. '3G Only'
- If you are using a VPN (Virtual Private Network), contact your company IT administrator.

If the connection keeps switching between GPRS and 3G

- Open the Devices view, and select a different Network Preference in the drop-down menu of the current device module, eg. '3G Only'
- Switch back to your normal network preference when you move locations.

If you have problems when roaming

- Contact Support, and check roaming is enabled for your account.

Check software update preferences

- Set your operating system and other programs to notify you of software updates instead of downloading them automatically. Otherwise they may slow down your mobile connection, or exceed your data usage limit.

Usage indication

- The usage window only displays an indication of your data usage. Please refer to your bill for the actual amount of data transferred.

Frequently Asked Questions

What is WebSessions*?

WebSessions is a mobile network service with which you can book a mobile connection for a certain length of time. WebSessions is not available in all mobile networks.

Clicking Connect in the WebSessions Connections module will connect and open your web browser at your mobile operator's WebSessions page. Here you can choose how long you want to remain connected via WebSessions, and how to pay for your connection.

How can I accurately check my Usage*?

Various factors, including other programs running on your computer (eg. automatic updates or compression software), may cause differences between the amount of data shown as transferred, and the transfer actually recorded by mobile networks. These differences may sometimes be large.

If the Usage view contains a link to your customer account web page*, provided on your mobile network operator's website, the information shown on your customer account will match your bill. You are strongly advised that your monthly bill and your customer account web page, if available, are the only final, accurate records of usage.

Why do my pictures look jagged or pixellated?

Your mobile network operator may compress all data before delivering it. Compression reduces the amount of data that is transferred, but also progressively lowers the quality of the pictures and graphics that you see on screen.

* Not supported by all operators.

Do I need a connection to send or receive SMS*?

No. SMS messages can be sent and received if Vodafone Mobile Broadband is running, a device is available and enabled, the SIM is present and unlocked, and there is mobile network coverage.

* Not supported by all operators, or mobile phones.

Glossary

3G

Another name for UMTS. 3G stands for third-generation mobile phone service. The 3G network operates at speeds of up to 384 kilobits per second.

3G Broadband

An enhancement of 3G, bringing even higher speeds. 3G Broadband devices are already offering speeds of up to 14.4 megabits per second.

3G+, 3GBB

Shortened names for 3G Broadband – see above.

A

APN

Short for Access Point Name. The APN is the computer in the internet via which you connect to your mobile operator's mobile network.

D

DNS

Stands for Domain Name Service. DNS converts addresses such as www.vodafone.com into numeric internet addresses, such as 195.233.125.5.

Driver

Small piece of software used by your computer to communicate with specific device such as a data card or mobile phone. In most cases, the devices you can use with the Vodafone Mobile Broadband software require special drivers, not normally included in Linux. The Vodafone Mobile Broadband software therefore installs all the drivers required to drive current mobile devices.

DSL

Short for Digital Subscriber Line. DSL is a data transfer technology which allows internet access at speeds beginning at 1.5 megabits per second over a standard phone line. To use DSL, you need a DSL modem and a contract with an Internet Service Provider.

E

EDGE

Stands for Enhanced Data rate for GSM Evolution. This offers higher speeds than GPRS, but uses the same network as GPRS.

G

GPRS

Stands for General Packet Radio Service, which is based on GSM, but allows higher transmission speeds for data.

GSM

Short for Global System for Mobile Communication. This is a standardised, open, digital mobile technology.

H

HSCSD

Short for High-Speed Circuit-Switched Data. Offers data rates of 28.8 kilobits per second or more, compared to a maximum of 9.6 kilobits per second using GSM only.

HSDPA

Short for High-Speed Downlink Packet Access. Offers data rates of up to 14.4 megabits per second when downloading, eg. browsing the internet, or receiving email.

HSUPA

Short for High-Speed Uplink Packet Access. Offers data rates of up to 5.76 megabits per second when sending data - eg. sending emails or uploading files to an FTP server – as well as HSDPA rates of 14.4 megabits per second when receiving data, eg. internet browsing, receiving emails, or downloading files from an FTP server.

I

IMEI

Short for International Mobile Equipment Identity. This is the individual identification number assigned to your device by its manufacturer.

IMSI

Short for International Mobile Subscriber Identity. This is a unique number that identifies you in the mobile network.

M

Mobile device

Any device that can be used to make a data connection over a mobile phone network, eg. PC data cards, ExpressCards, USB sticks, USB modems and mobile phones.

Mobile network

The mobile phone network. Originally used for telephone calls and SMS, but now supporting a wide range of data services, including email and connection to the internet. The mobile network is sometimes referred to as 'WWAN'.

Multiplexing

This term describes the ability of a device to do several different things at the same time.

As an example, if your device does not support multiplexing, the network name and signal strength details will not be updated while a mobile connection is open.

The signal will be greyed out and displays the information from before the connection was opened. Only when you again close the connection, will the signal strength and network name show the true current status.

O

Operating System

Your operating system is the software that runs your computer. This Vodafone Mobile Broadband software can run on Ubuntu 8.04 and Ubuntu 8.10, 32 bit as well as 64 bit computers.

Separate versions of the Vodafone Mobile Broadband software are available for use on the Windows and Mac operating systems.

P

PCMCIA

Stands for Personal Computer Memory Card International Association and is the name of a standard for PC cards. This is now usually shortened to PC card.

PIN

Stands for Personal Identification Number. A PIN is a number between four and eight digits in length. Together with your SIM, the PIN identifies you to the mobile phone network. You have to have your SIM in your device and enter your PIN in order to access the mobile network.

PIN2

Stands for Personal Identification Number 2 and is used by your network operator. It can be changed, but not turned on or off. Sometimes it is set to '0000'.

PUK

Stands for PIN Unblock Key. The PUK is needed to unblock your SIM if you have entered the wrong PIN code three times in succession. Your network operator will have given you a PUK together with your PIN.

PUK2

Stands for PIN2 Unblock Key. The PUK2 is needed to unblock your SIM if you have entered the wrong PIN2 code three times in succession. Contact Support at your mobile network operator if you need the PUK2. Sometimes the PUK2 is the same as the PUK.

R

Roaming

You can use your mobile device for connections on any other mobile network that has a roaming agreement with your own mobile operator, whether in your country or abroad.

S

SIM

Stands for Subscriber Identity Module. Your SIM is the small postage-stamp-sized chip that you received together with your mobile subscriber contract. The SIM has gold contacts on one side, and it must be inserted into your mobile device so that these contacts touch the contacts on your device. The SIM identifies you to the mobile network: without it, you will not be able to connect.

SMS

Stands for Short Message Service. This enables you to send and receive text messages with your mobile device, eg. your mobile phone or your Vodafone Mobile Broadband Card, USB stick or USB modem.

SMSC

Stands for SMS Centre. A phone number provided by your network operator and used to handle SMS traffic.

System menu bar

The menu bar that runs along the top edge of your computer's screen, showing the Ubuntu menu icon in the left-hand corner, and the User Switcher Applet icon in the right-hand corner.

A Vodafone Mobile Broadband icon can be shown here, offering a short menu of useful commands. Popup notification messages are also shown just below this icon, announcing particular events, such as connecting and disconnecting.

U

UMTS

Stands for Universal Mobile Telecommunications System. Also known as 3G, the third-generation digital standard for mobile telecommunications.

Update

Improvements or additions to your Vodafone software. New features and support for new devices are also added to the software in periodic software 'releases'. You can view the release number of your software in the Help/About window. Some releases may also be made available via the Vodafone Update Manager, which can also be accessed manually via Help/Software Updates.

V

VPN

Stands for Virtual Private Network. You can use a VPN program over a mobile connection to make a secure connection to your company network. You can then access email and work with files on your company network securely, because all traffic through the VPN is encrypted.

Your IT administrator should be able to help you if you do not know what is required for your company network.

W

Wi-Fi

Another name for WLAN. Wi-Fi is short for Wireless Fidelity and is a name controlled by the Wi-Fi Alliance.

WLAN

Another name for Wi-Fi. Stands for Wireless Local Area Network. This is a type of local-area network (LAN) that uses high-frequency radio waves rather than wires to communicate between devices.

WWAN

Stands for Wireless Wide Area Network – another name for the mobile phone network.

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