



Vodafone Mobile Broadband

Release 11.1.1.52318 RC2

ReadMe



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Summary

Software Name: Vodafone Mobile Broadband
 Version: 11.1.1.52318 RC2
 Issue date: October_2015

The Vodafone Mobile Broadband application is designed specifically for use with the range of Vodafone Mobile Broadband USB sticks, Hotspots and Built-in modules.

This ReadMe is intended for the full variant of Vodafone Mobile Broadband 11, and does not address specific information on Vodafone Mobile Broadband Lite.

What's new in this release

- VMB 11.1.x bring the same features and functionality as VMB 10.x but on a Windows 10 OS.
- Support Routers

Integrated third-party components

Component versions

| Component | File | Version |
|---------------------|----------------------------|-----------------|
| VMB | MobileBroadband.exe | 11.1.1.52318 |
| | Wdkdi.exe | 11.0.0.51762 |
| | setup_vmb.exe | 52123 |
| | DeviceLookupTable.xml | 52040 |
| MBN SDK | Vodafone.Dali.Mbnsdk.dll | 3.1.1.52301 |
| Infragistics | Infragistics2.Win.v9.2.dll | 14.1.20141.2035 |
| Huawei | DataCardSetup.exe | 1.0.0.6 |
| ZTE | NdisConfig.exe | 1.0.0.7 |
| | FilterConfig_x86.exe | 1.0.0.12 |
| | ResetCDROM.exe | 1.2.1.16 |

Scope

System requirements and installation instructions

Supported operating systems

Operating system

Windows 10
(Home, Pro, Enterprise and Education) 32 bit / 64 bit editions

Installation Notes

- Please note that this table only indicates the Operating System on which the Vodafone Mobile Broadband application works. The mobile devices supported by this version can be determined from the following tables.
- If your computer runs without problems now, it may not be necessary to update the software. To determine if you should update the software, refer to the version Information section.
- For deployment in corporate environments please refer to the Vodafone Mobile Broadband Standard Install Guide and Enterprise Install Guide.


Windows 10

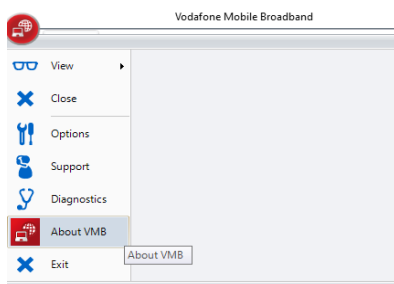
Microsoft .NET Framework 4.5

If .Net Framework 4.5.1 is not installed it will be downloaded during the installation of VMB.

When downloading the .Net Framework 4.5.1 during the installation of VMB an internet connection is needed.

Determining which version is installed

1. Run the Vodafone mobile Broadband application
2. Navigate to <Advanced View>
3. Select <About VMB> from the application menu 
4. Check the "Release"



New Features

VMB 11.1.1.52318 Support Routers:

When Wi-Fi Router is plugged in via USB cable, automatically launches WebUI.

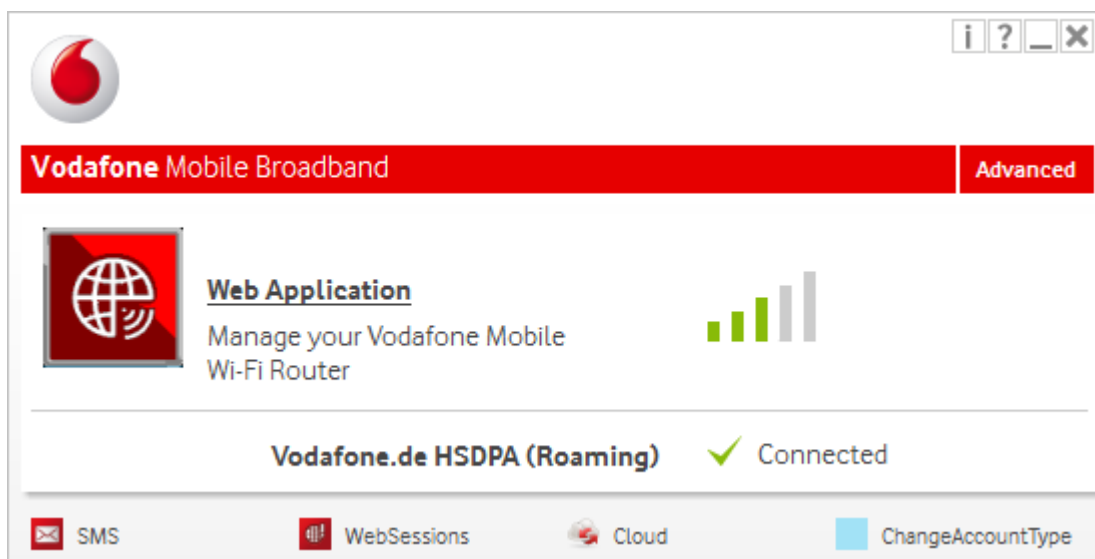
VMB offers a button in ShortcutsBar (near the SMS button) called "Web Application", which launches WebUI for both USB and WiFi-connected routers.

VMB displays notification for plugged-in routers:

Connected, Disconnected, new SMS, Enter Pin, Enter password.

Note: For supported routers and routers that support notification, refer to supported devices section

Note: SMS application installed with VMB only function with USB devices.



Supported devices

Supported Routers

Huawei - Routers

| Model | Vendor | Min. required Firmware | Win10 32 | Win10 64 |
|-----------------------|--------|------------------------|----------|----------|
| R201 ^{1,2,3} | Huawei | 4.17 | √ | √ |
| R205 ^{1,2,3} | Huawei | 8.0 | √ | √ |
| R206 ^{2,3} | Huawei | 3.0 | √ | √ |
| R207 | Huawei | 4.0 | √ | √ |
| R208 ^{1,3} | Huawei | 8.1 | √ | √ |
| R210 ^{2,4} | Huawei | 4.1 | √ | √ |
| R215 | Huawei | 2.0 | √ | √ |
| R216 | Huawei | 5.0 | √ | √ |
| R226 ³ | Huawei | 6.0 | √ | √ |
| W5101 ^{1,3} | Huawei | 2.1 | √ | √ |

| | |
|------------------------|--|
| √ | Integrated, tested, and supported. |
| Min. required firmware | Please use the latest VF approved firmware version. At least the mentioned firmware version is required. |

(¹) Supported using the VMB Additional Drivers Package

(²) With known limitations (not supported by hardware vendor)

(³) Notification not supported

ZTE - Routers

| Model | Vendor | Min. required Firmware | Win10 32 | Win10 64 |
|-----------------------|--------|------------------------|----------|----------|
| R206-Z ^{2,3} | ZTE | 3.3 | √ | √ |
| R207-Z | ZTE | 3.1 | √ | √ |
| R209-Z ³ | ZTE | 2.0 | √ | √ |
| R212-Z ^{2,3} | ZTE | 4.5 | √ | √ |
| R216-Z | ZTE | 3.3 | √ | √ |
| R226-Z | ZTE | 2.0 | √ | √ |
| H209-Z ² | ZTE | 2.0 | √ | √ |

| | |
|------------------------|--|
| √ | Integrated, tested, and supported. |
| Min. required firmware | Please use the latest VF approved firmware version. At least the mentioned firmware version is required. |

(¹) Supported using the VMB Additional Drivers Package

(²) With known limitations (not supported by hardware vendor)

(³) Notification not supported

Supported USB Sticks

Huawei - USB Sticks

| Model | Vendor | Min. required Firmware | Win10 32 | Win10 64 |
|----------------------|--------|------------------------|----------|----------|
| K3770 ^{1,2} | Huawei | 3.0 | √ | √ |
| K3772 ^{1,2} | Huawei | 1.6 | √ | √ |
| K4505 ^{1,2} | Huawei | 2.13 | √ | √ |
| K4510 ^{1,2} | Huawei | 3.1 | √ | √ |
| K4511 ^{1,2} | Huawei | 3.1 | √ | √ |
| K4605 ^{1,2} | Huawei | 5.2 | √ | √ |
| K5005 ^{1,2} | Huawei | 9.2 | √ | √ |
| K4201 | Huawei | 3.0 | √ | √ |
| K4203 | Huawei | 4.1 | √ | √ |
| K4203 Enterprise | Huawei | 1.0 | √ | √ |
| K4305 | Huawei | 5.0 | √ | √ |
| K4606 | Huawei | 4.1 | √ | √ |
| K4606 Enterprise | Huawei | 3.0 | √ | √ |
| K5150 | Huawei | 8.1 | √ | √ |
| K5150 Enterprise | Huawei | 4.0 | √ | √ |
| K5160 | Huawei | 1.0 | √ | √ |

| | |
|------------------------|--|
| √ | Integrated, tested, and supported. |
| Min. required firmware | Please use the latest VF approved firmware version. At least the mentioned firmware version is required. |

(¹) Supported using the VMB Additional Drivers Package

(²) With known limitations (not supported by hardware vendor)

ZTE – USB Sticks

| Model | Vendor | Min. required Firmware | Win10 32 | Win10 64 |
|------------------------|--------|------------------------|----------|----------|
| K3806-Z ^{1,2} | ZTE | R1.5.12 | √ | √ |
| K4505-Z ^{1,2} | ZTE | 2.13 | √ | √ |
| K4510-Z ^{1,2} | ZTE | 5.0 | √ | √ |
| K5006-Z ^{1,2} | ZTE | 3.2 | √ | √ |
| K4201-Z * | ZTE | 3.0 | * | * |
| K4203-Z | ZTE | 3.2 | √ | √ |
| K4607-Z | ZTE | 3.3 | √ | √ |
| K5008-Z | ZTE | 4.3 | √ | √ |

| | |
|------------------------|--|
| √ | Integrated, tested, and supported. |
| Min. required firmware | Please use the latest VF approved firmware version. At least the mentioned firmware version is required. |

(*) This device is end-of-life and has been replaced by K4203-Z. See ‘Known limitations’ for limitations

(¹) Supported using the VMB Additional Drivers Package

(²) With known limitations (not supported by hardware vendor)

Built-in Mobile Broadband Modules

| Device Name / Generic Name | Alternative Names / OEM branded Names | Win10 32 | Win10 64 |
|-------------------------------|--|----------|----------|
| Sierra Wireless | MC8305 | √ | √ |
| Sierra Wireless | MC7710 | √ | √ |

| | |
|---|------------------------------------|
| √ | Integrated, tested, and supported. |
|---|------------------------------------|

Please note that drivers for embedded devices are not installed by VMB but by the OEM and that not every firmware version works with every driver version.

Built-in Mobile Broadband Modules device drivers notes


- Please note that the driver for your Built-in Mobile Broadband module is supplied by your notebook manufacturer.
- Installing the driver for this module is a prerequisite for installing the Vodafone Mobile Broadband application.
- Not every firmware version works with every driver version.
- Please only use combinations that have been approved by your vendor

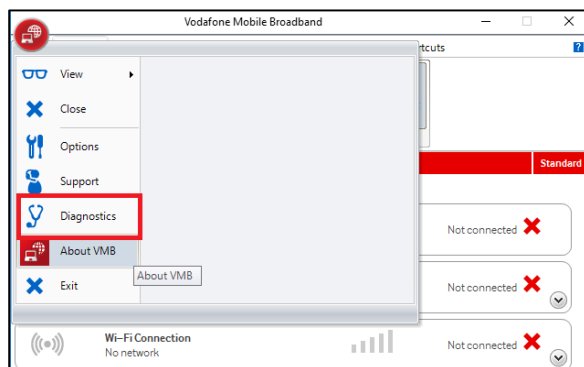
Firmware

- If the device is detected and works properly it is usually not necessary to update the firmware.
- A working installation of Vodafone Mobile Broadband on a computer is required to perform a firmware upgrade.
- We recommend contacting the support hotline in your country for instructions on firmware upgrades.

In case you would like to perform an upgrade of your Built-in Mobile Broadband module firmware, please contact your computer manufacturer for further instructions.

Determining which firmware is installed

1. Start the Vodafone Mobile Broadband application
2. Go to <Advanced> view
3. Select <Diagnostics> in the  menu
4. The <Device> tab will show the “firmware version” of the device



Supported languages and networks

The table below lists the languages supported by application

| Supported languages | | |
|---------------------|------------------|------------|
| Albanian | English | Latvian |
| Arabic | Estonian | Lithuanian |
| Bulgarian | Finnish | Macedonia |
| Chinese (Hong Kong) | French | Portuguese |
| Chinese (Taiwan) | French (Belgium) | Romanian |
| Croatian | German | Russian |
| Czech | Greek | Slovenian |
| Dutch | Hungarian | Spanish |
| Dutch (Belgium) | Italian | Turkish |

The table below lists the Networks supported by application

| Supported VF and partener Networks | | |
|------------------------------------|--------------------|------------------|
| A1 | Swisscom | Vodafone FO |
| Airtel-Vodafone | Tango | Vodafone Ghana |
| Bite Latvija | TDC Denmark | Vodafone Greece |
| Bité Lietuva | TDC Norway | Vodafone Hungary |
| Celcom Malaysia | TDC Sweden | Vodafone Iceland |
| Cytamobile-Vodafone | Vip operator | Vodafone IE |
| DIALOG | Vipnet Croatia | Vodafone India |
| du EITC | Vodacom Congo | Vodafone IT |
| Elisa | Vodacom Lesotho | Vodafone Malta |
| Elisa Estonia | Vodacom Mozambique | Vodafone NL |
| Entel PCS | Vodacom Tanzania | Vodafone NZ |
| MobileOne | Vodafone Albania | vodafone P |
| M-Tel BG | Vodafone Australia | Vodafone Qatar |
| Proximus | Vodafone Brazil | Vodafone RO |
| SFR | Vodafone CZ | Vodafone TR |
| Si.mobil | Vodafone DE | Vodafone UK |
| SmarTone-Vodafone | Vodafone Egypt | Zain BH |
| SRR | vodafone ES | Vodafone Fiji |

Supported VPN Clients

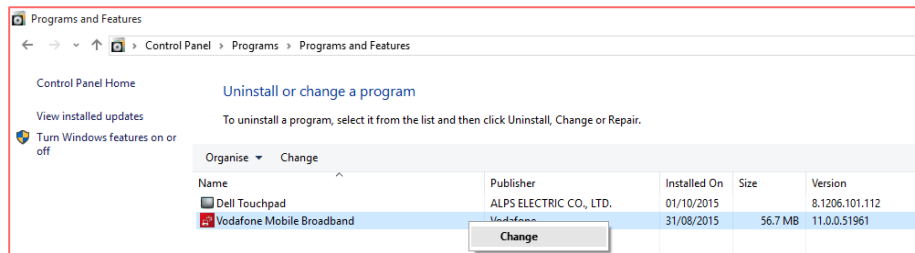
The table below lists the VPN clients supported by application

| Supported VPN clients | | |
|-----------------------|------------------|---------------------|
| Number | VPN client name | Version |
| 1 | Cisco VPN V5 | 5.0.x |
| 2 | Checkpoint VPN | n/a |
| 3 | Fortinet VPN | 4.0 |
| 4 | Cisco AnyConnect | 3.0.x |
| 5 | F5 Networks | 7 |
| 6 | NCP Juniper | 1.0 Jupiner edition |
| 7 | Nortel | 10.01 |
| 8 | Sonic Wall | n/a |
| 9 | Microsoft VPN | n/a |

Removal instructions

Windows control panel

1. Open the Windows <Control panel>
2. Double click <Uninstall programs> and select <Vodafone Mobile Broadband>
3. R,Click <Vodafone Mobile Broadband>
4. Select <Change> and follow the instructions on screen



Removing profile data

To remove profile settings and user specific data please delete the data folder in the user profile. This will delete SMS and contact information, as well as device profiles.

On Windows 10

- Please make sure that showing hidden files and folders is turned on in your folder options
- Open C:\Users\%USER_NAME%\AppData\Roaming\Vodafone\
- Delete the "Vodafone Mobile Broadband" folder

Known issues and limitations

General limitations

- LTE network does not yet support the APN "event.vodafone.de". Therefore customers using WebSessions cannot connect via LTE network.
- If the own number (MSISDN) cannot be accessed or found a link to the relevant section of the Help file is displayed on the Help/Diagnostics window. Please select "Device" on this page of the Help file to get further information to get the MSISDN.
- VMB does not support more than one attached device at the same time.
- for some wireless LANs, automatic authentication is done as soon as the connection is established. This authentication needs some data from the SIM card. If the SIM card is inserted for the first time, there is a possibility that the data is not ready for successful authentication. Workaround: Disconnect and connecting again.
- Automatic authentication which is done for some wireless LANs is dependent on the server side as well, and can last up to 30 seconds.
- On Display DPI settings from 175% onwards VMB cannot be shown correctly. Some buttons & strings might become difficult to read.
- Wifi Reordering issue, is a Windows 10 issue
- R210 is working only in non-tethering mode

VMB Software

- A MobileBroadband stopped working can occur if a Cisco Anyconnect Client before 3.1.05160 is used.
- If the error message 'The File "filterconfig_x86.exe1" is not marked for installation' appears during an upgrade scenario, then do the following workaround:
 1. Cancel the installation process,
 2. Reboot the system,
 3. Start the installation again.
- VMB stops working when Cisco Anyconnect Client 3.1.03103 is installed. Not reproducible using Cisco Anyconnect Client 3.1.04072 or 3.1.05170.
- F5 BIG-IP VPN-Client: Autoconnect VPN on connect does not work although VPN is configured to connect automatically the VPN on mobile connect. The resulting message "You are not connected" when connecting to the mobile network does not mean that there is no mobile connection but that there is no open VPN session to the VPN gateway (F5 Edge gateway in the current case).
- Exiting VMB always closes all dial-up connections. Consequently, in Germany, exiting VMB will close connections over Alice DSL, because these are also dial-up connections.
- When upgrading VMB 10.1.000.25677 RC6 Full to a higher VMB version a critical exception may occur while uninstalling the old version.
Workaround: First uninstall VMB 10.1.000.25677 RC6 Full manually before installing the new version.
Alternative workaround: After rebooting and a 2nd attempt to install the new VMB version, the old version gets uninstalled and the new version can be installed.
- Disconnect not possible while sending/receiving a SMS (sequence). This is a design limitation.
- Malware warning for VmbServiceConfig.exe from Avast because the file is new and unknown. For more information please have a look at <https://blog.avast.com/2012/03/20/autosandbox-why-are-you-annoying-me/>

- Mobile device switched off when deactivating Wlan module while ABC automatic mode is switched on.
- VPN traffic is not measured by VMB when VPN client is not 'connected' with VMB, e.g. for Cisco VPN client: you have to click VPN tab>Application>Cisco>VPN profile if you want the data traffic be measured by VMB.
- Limitations in selecting a network manually with MBN:
When a network and a bearer is selected manually MBN works quite well. The chosen settings become active when a connection gets established.
BUT:After a few moments MBN selects the best available bearer if one is available (see PacketServiceStateChanged-Event (CurrentDataClass)) – so it's quite useless to preselect a bearer with MBN.
- VMB MBN does not support USSD and Sync Contacts Option in SMS application.
- When device is inserted with an INACTIVE SIM, no message pops up saying SIM NOT ACTIVATED.
- K5150 mobile connection is not possible when the connect is too fast.
- If VMB is not usable after resume, please restart VMB (exit via Application button-Exit)
- Send SMS might fail if internally a parallel read is active

General device issues

- If for a specific device the SMS functionality is not working properly, then (besides user-SMS), the following business logic for the following OpCos might be affected:
 - Vodafone NZ: Voucher Top-up
 - Vodafone Ireland: Voucher Top-up, Balance Information, Retrieve MSISDN
 - SFR: Retrieve MSISDN
 - SRR: Retrieve MSISDN
 - du: Retrieve MSISDN
 - Vodafone Hungary: Balance Information
 - Vodafone.de: Outside Homezone notification
 - Vodafone Egypt: Balance Information
- [334] If a mobile device is not mentioned in the list of supported devices (**Error! Reference source not found.**), then the following services may not be available:
 - Dial-up functionality
 - Pre-pay account handling (for example checking or topping up the balance of a pre-pay account)
 - Location services using the Cell Id and Local Area Code of the current cell
- [017] Contacts: Unicode is implemented but most of the devices do not support Unicode. Only Sierra Wireless, Motorola and LG devices support Unicode phonebooks. All other devices do not support them: Novatel, Option, Sony Ericsson, Seiko, Nokia 6282, Samsung, Rim, HTC.
No phonebook import possible if contacts contain special Unicode characters.
No phonebook export (add contacts) to SIM / device possible if contacts on SIM / device contain special Unicode characters (Mantis 11351).
- Phonebook is currently not working for some of the devices

Huawei devices

- K5005 (FW 9.2): The session data counter is not resetted after disconnect and re-connect a 4G LTE connection. When establishing a new LTE connection the session data counter starts with the value of the last session. The wrong data are delivered by the device (FW).
- K5005: Wrong data transfer reported, flow values drop down while connected. Tested with Firmware 9.2 (FW=11.533.03.10.11 Driver=2.0.6.719). This device is end of life, so we will not get a new FW.
- [K5005 with FW8.2: all non-VF networks are available.
- K5005, K4605 / MBN SMS: Receiving an SMS while the storage is full, a random SMS is deleted to accommodate the new one. (Firmware: 8.2 (K5005), Drivers: 4.25.05.11).
- K5005 gets hot and stops responding after using it a long time. At first the speed slows down and finally it stops responding. After unplugging and cooling down it works again.
- K5005 does not support PIN2/PUK2.
- K5005 has no AT command to report back the LTE cat in used by UE.
- K3772: Device category in "Start / Devices and Printers" is displayed as "Optical drive".
- K5150: Sometimes VMB does not recognize the K5150 when inserted in a laptop with Sierra Wireless Gobi 2000 before the laptop is started. In such a case try to remove and insert again the K5150 into the same USB port. Or try to use a different USB port.
- EM770W (FW: 11.126.08.31.00): After hibernate mode VMB remains in status "Mobile device detected". Connect button is greyed out. Tested with Aspire 1410.
- K5160: Connect failed after fast click on connect button.
- K5160: A very long time in 'Searching for network'.
- K5150: attempt to delete 1 phonebook entry deletes all entries.
- K5150 and K5160 VAN shows 3G signal and the device 4G.

ZTE devices

- K5008-Z: In very rare cases VMB might not process a certain SMS.
- When using ZTE K5008-Z VMB ignores connection profiles which have undefined authentication value (pap).
- K4201-Z does not receive SMS.
- K4607-Z: Device cannot receive long SMS.
- K4201-Z: Device does a reset all the time.
- K4607-Z: Signal strength is 0
- K4203-Z and K4607-Z does not support USSD

Other devices

- Sierra Wireless Gobi 2000 installed in Fujitsu laptops doesn't work after resume from hibernate with the TAed device driver version 1.01.18. Workaround: Update to non-TAed driver version 1.1.180.
- [Gobi 2000: Mbnsdk: Device not detected after resume from hibernate. Gobi 2000 is an end of life product.
- Gobi 2000: Mbnsdk: Sometimes no SIM found after resume from hibernate. Gobi 2000 is an end of life product.
- In rare cases Windows OS freezes during VMB app restart using a Sierra Wireless Gobi2000.
- Generic Gobi 3000 reports a wrong SIM-PIN state when using a SIM that doesn't support PIN2/PUK2. The issue only happens if the SMSI SDK is used.
- Fujitsu Celsius H Series with Sierra Gobi 2000 using an IE SIM: the internet cannot be accessed because of very little received data.
- Gobi 2000: Sometimes RAS error 770 occurs when trying to connect
- Gobi 2000: Provider name cropped for Vodafone. It will be fixed with Gobi3000.
- Gobi 2000: Manual changes in DNS settings are not taken into account. It will be fixed with Gobi3000.
- Embedded Gobi2000 module (Dell D5620 und Lenovo Qualcomm Gobi 2000 HS-USB Modem): no connection possible using FW xx-3574 and UltraCard SIM. Reason: not supported USSD command regarding the UltraCard SIM. Solved using FW xx-3600 / driver version 2.0.7.1
- N5321gw: Import/export of contacts to/from SIM not possible using VMB 10.3.407. N5321gw is a new MBN device and not yet fully supported in VMB 10.3.407.
- F3307 R2: Bearer indication is stuck in "HSDPA" even in R99 coverage (bearer indication is "HSDPA" instead of "UMTS"). Issue is fixed in later products
- D5540 - F3607, hs2340 - F5521: Network name not displayed in VAN with a Roaming SIM that does not contain the Home Provider name in SPDI file.
- Phonebook functionality works erroneous with Ericsson devices when synchronizing contacts if a contact contains a “\”.
- EM7345: Not possible to set bearer preference. If the EM7345 finds the LTE network, all settings of the VMB Bearer Preferences tab of the setting screen are ignored except "4G Preferred".
- In very rare cases, on laptops with Sierra Wireless embedded device, MBN-supported-devices are not recognized by VAN or VMB. Workaround: Shut down the laptop, maybe remove the battery and power supply for 30 seconds and reboot. After that the corresponding device will be recognized.
- GT3300 (FW Y3300BUKB1, dr. 5.35.8292.0) on Windows 7 32-bit SP1:
 - MS VAN: Roaming partner name is not correct: "Vodafone.de vodafone" instead of "Vodafone.de".
- NC10/Y3100: In rare cases VMB closed after first connection. Workaround: Restart VMB. NC10/Y3100 has reached EOL.

Trademarks

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