

Option GI0031 USB Modem

CE 0700

FCC-ID: NCMOGI0031

Safety Leaflet

Your USB Modem *is like a mobile phone*

Your USB Modem uses the same technology as a mobile phone. It is important that you always obey all safety regulations related to mobile phone use. If you have any doubt about the safe operation of your USB Modem you should remove the USB Modem from the PC and seek advice from authorized personnel.

This device may not be connected to a USB hub, nor to a PC network, nor to a USB 1.0 interface.

1. Safety Measurements

Please read the following guidelines carefully. Not following these guidelines can cause harm to the USB stick, yourself or other persons.

1.1 General recommendations for use

- Always treat your product with care and keep in a clean and dust-free place. Do not expose your product to open flames or lit tobacco products.
- Do not expose to liquid, moisture or humidity. Do not expose the USB Modem to rain, or other liquids.
- Do not drop, throw or try to bend your product.
- Do not paint your product.
- Do not attempt to disassemble your product. Doing so may be dangerous and it will void the warranty.
- Do not touch the antenna unnecessarily.

1.2 Traveling: Handle the USB stick with care while traveling. It is recommended to remove the USB stick from the laptop.

1.3 Ambient temperatures: Do not expose the USB Modem or the antenna to ambient temperatures beyond the range of -10 and +55 degrees Celsius.

1.4 Explosive atmosphere: Turn off your PC in any area with a potentially explosive atmosphere. It is rare, but your PC could generate sparks, which could cause an explosion or fire. Areas with a potentially explosive atmosphere are not always clearly marked. They include fuelling areas (petrol filling stations), below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Do not transport or store your PC and accessories in the compartment of a vehicle, which contains flammable gas, liquid, or explosives.

1.5 Blasting areas – construction sites: Turn off your PC when in a blasting area in order to avoid interfering with two-way radios used in blasting operations.

1.6 Do not use on aircraft: Using a wireless devices on aircraft can cause interference and is illegal. Remove your USB Modem if you intend to use your PC whilst in an aircraft. Do not use it when the plane is on the ground without permission from the aircraft crew.

1.7 Do not use in hospitals: Please ensure you follow any local regulations or rules. People are often asked to switch off all electronic devices in some areas of a hospital; this is a recommendation that Option fully supports. Using the USB Modem close to sensitive electronic devices could possibly result in interference. If you intend to use your PC in such areas, you must remove the USB Modem.

1.8 Interference from radio signals: Option relies on advice from health authorities and relevant expert bodies about potential undesired responses to radio emissions from the USB Modem.

1.9 Immunity to interference: Electromagnetic interference is the disturbance of the normal operation of a device due to its undesired response to radio signals from an external source. Occasionally in some situations you may hear short sounds coming from audio equipment such as radio or multimedia PC. However, these audible signals do not interfere with the operation of the equipment.

The 1989 Directive from the European Commission (89/336/ECC)13 governing all forms of electronic equipment concerns interference that such equipment produces and its immunity to interference from outside. Any equipment compliant with that directive is unlikely to suffer interference. All wireless devices may get interference, which could affect performance.

1.10 Cardiac pacemakers, implanted defibrillators & other medical implant devices

It is possible that the USB Modem may interfere with some types of pacemakers or implanted defibrillators when operated close to the implanted device. You should seek advice from your doctor that is specific to the implant before using the USB Modem. Health authorities in many countries have set up advisory services for medical devices and implants including providing advice about maintaining separation distance between the mobile device or other radio frequency equipment and the implant. Option operating companies reflect the advice given by their relevant health authority or national advisory service and/or as a minimum indicate a separation distance of at least 20 cm between the USB Modem or other radio frequency terminal equipment and the embedded device.

1.11 Hearing devices: People with hearing aids or other cochlear implants may experience interfering noises when using mobile devices or when one is nearby. The level of interference will depend on the type of mobile device, the type of hearing device and the distance between the two. Increasing the distance between the USB Modem and hearing device may reduce interference.

1.12 Children: Do not allow children to play with your USB Modem. They could hurt themselves or others, or could accidentally damage the USB Modem. Your USB Modem contains small parts with sharp edges that may cause an injury or which could become detached and create a choking hazard.

1.13 Driving: Do NOT use the USB Modem while driving; park the vehicle first.

1.14 SIM cards: To protect against damage from electrostatic discharge (ESD) do not touch the SIM card connectors. As a precaution, always make sure that USB Modem is already in your hand before you insert or remove the SIM card.

1.15 Accessories: Only use Option approved accessories. Do not connect with incompatible products. When used with accessories Option can only guarantee safe and correct operation of our products if the accessories are tested and approved by us.

1.16 Safe distance: The USB Modem has been thoroughly tested to comply with SAR requirements. These tests simulate the absorption by the human body of radiation from the USB Modem.

CE Regulations

The SAR limit as defined by the European Council Recommendation is 2,0 W/kg for a mass of 10g (R&TTE Directive 1999 519 EC). The SAR measurements were performed at a distance of 15 mm from a simulated human body, as required by the Vodafone Test Specification (VFTST_1.901_SAR_Data-cards-V1.0).

Band	Distance to the phantom	Averaged Mass	SAR measured
GSM850	15 mm	10g	0.803
GSM900	15 mm	10g	0.508
DCS1800	15 mm	10g	0.144
PCS1900	15 mm	10g	0.161

FCC Regulations

For FCC, the measurements were made according to the Supplement C to OET Bulletin 65 of the Federal Communications Commission (FCC) Guidelines [OET 65] for evaluating compliance of mobile and portable devices with FCC limits for human exposure (general population) to radiofrequency emissions. The device was tested in lap held position with the bottom of the computer in direct contact against the flat phantom.

These guidelines define a limit of 1,6 W/kg averaged over a mass of 1 g.

This device has not been tested with USB slots in a vertical position. As such it may not be used on vertically oriented USB slots by FCC regulation!

Band	Distance to the phantom	Averaged Mass	SAR measured
GSM850	0 mm	1g	1.37
PCS1900	0 mm	1g	1.39

Based on these results, we state that the Option USB Modem complies with SAR requirements. For day-to-day use we would advise the user to keep a minimum distance from the antenna of 20 cm.

Users concerned with the risk of Radio Frequency exposure may wish to limit the duration of their calls and to position the antenna as far away from the body as is practical.

The USB Stick has been tested with specific integral antenna for SAR compliance with three notebook computers having horizontal USB slots. The device can be used in notebook computers with substantially similar physical dimensions, construction, and electrical and RF characteristics.

1.17 Supply voltage: The USB Modem has to be supplied by a limited power source according to EN 60950-1:2001.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.