



**Safety manual:
Option Data Card**

About this document

Overview and Purpose

This document describes the safety measurements that have to be taken into account when using an Option Globetrotter data card.

Confidentiality

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Version History

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1. Introduction

When using the Option datacard, it is necessary to pay attention to all safety aspects described in this document. Using these guidelines is mandatory to provide certainty of the safe use of the card for the end-user. Breaking these rules may be dangerous or illegal.

2. Safety Measurements

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

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 datacard 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.

Traveling

Handle the card with care while traveling. It is recommended to remove the card from the laptop.

Ambient temperatures

Do not expose the datacard or the antenna to ambient temperatures beyond the range of - 5 to +35degrees Celsius.

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.

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.

Do not use on aircraft

Using a wireless devices on aircraft can cause interference and is illegal. If you intend to use your laptop/PDA whilst on an aircraft, you **MUST** remove your the datacard before boarding any aircraft. Do not use it on the ground without permission from the aircraft crew.

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 a datacard close to sensitive electronic devices could possibly result in interference. If you intend to use your PC in such areas, you must remove the datacard.

Interference from radio signals

Option relies on advice from health authorities and relevant expert bodies about potential undesired responses to radio emissions from datacards.

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.

Cardiac pacemakers, implanted defibrillators & other medical implant devices

It is possible that some datacards 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 datacard. Health authorities in many countries have set up advisory services for medical devices and implants including providing advice about maintaining separation distance between datacards 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 datacards or other radio frequency equipment and the embedded device.

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 datacard, the type of hearing device and the distance between the two. Increasing the distance between the datacard and hearing device may reduce interference.

Children

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

Driving

Do not use data card while driving; park the vehicle first.

SIM cards

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

Accessories

Only use Option approved accessories. Do not connect with incompatible products. When used with accessories such as external antennas, Option can only guarantee safe and correct operation of our products if the accessories are tested and approved by us. To comply with international safety requirements; when using an Option approved external antenna, you must ensure that it is kept from the body at a distance greater than 20 cm.

Safe distance

We advise the end-user to keep a minimum distance of 20 cm between him and the device. The datacard has been thoroughly tested to comply with SAR requirements. These tests simulate the absorption by the human body of radiation from the datacard.

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).

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.

Supply voltage

The PCMCIA card has to be supplied by a limited power source according to EN 60950-1:2001.