



UbiNetics™

Safety Guide

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Emergency calls

Please contact your service provider for information about the availability of Emergency Calls.

Ubinetics™ GSM/GPRS devices (with the exception of data-only devices) support Emergency Calls with or without a SIM card fitted. However, they must be correctly installed, powered up and have a headset plugged into them. If you are outside the coverage of a GSM network, or any other factor such as insufficient power occurs, then Emergency Call will not work. Consequently, do not rely on Ubinetics GSM/GPRS devices as your sole means of contacting the Emergency Services.

The procedure for generating an Emergency Call will depend on the application/service currently in use and the network you are connected to. It is recommended that you familiarise yourself with the appropriate procedures required to generate an Emergency Call.

When connected to the Emergency Operator you should have details of your telephone number and location to hand.

Safety information

Ubinetics GSM/GPRS devices are designed to operate only when installed as described in their accompanying documentation. Operation outside this environment, and/or with an alternative power supply, may infringe the type approval granted for the product as well as potentially voiding the safety advice given below, and consequently should not be undertaken.

Ubinetics GSM/GPRS devices give off radio frequency signals in the 900 MHz, 1800 MHz and 1900 MHz frequency bands, depending on model. See the Technical Reference Manual for the device concerned for details.

The following recommendations are in line with guidelines concerning public exposure to radio frequency electromagnetic energy, issued by various European and International agencies.

Unlike a mobile phone, the transmitter antenna on Ubinetics GSM/GPRS devices would under normal circumstances not be close to the head and therefore high field strength is not usually encountered. The use of a Ubinetics GSM/GPRS device is akin to using a mobile phone with a handsfree unit. However, take care to avoid placing any part of your body in proximity to the antenna when the device is switched on. In particular it is recommended that you do not grasp the antenna whilst the device is operating, as this will not only

significantly degrade its performance, but also expose your hand to the maximum radio frequency power emitted by the device.

Ubinetics GSM/GPRS devices designed to be installed in PCs

The correct installation procedure for cards designed to be installed in PCs must be adhered to at all times. The module operates at SELV limits, and it is the installer's responsibility to make sure that all hazardous voltages have been isolated from the SELV circuitry, and that all safety requirements have been met to the appropriate standards.

Further, it is the installer's responsibility to ensure that the safety isolation barriers of the intended host equipment are not compromised by the installation or the module.

Traffic safety in a moving vehicle

No computer or PDA, with or without a GSM/GPRS device fitted, should be used by the driver of a vehicle when in motion. Always safely park the vehicle before turning your attention to the computer. Always adequately secure your computer in a moving vehicle, do not leave it loose on a passenger seat. Remember that in the event of a sudden stop an unsecured computer could cause considerable injury to any occupants as well as damage to the vehicle.

Where the vehicle has an airbag, do not place any objects, including your computer, in the area around the airbag or where the airbag deploys. Any item propelled by an activated airbag could cause serious injury and damage.

Safety on aircraft

You are required by law to switch off all electrical apparatus when boarding and leaving an aircraft and at any other time when instructed to do so by a member of the crew. You are not allowed to use any mobile phone, including a Ubinetics GSM/GPRS device, at any time when on board an aircraft, as such use may constitute a danger. In such circumstances please ensure that your GSM/GPRS device is disabled. The easiest way to achieve this is to switch off and (if it is removable) physically remove the GSM/GPRS device from its host device.

Pacemakers

The following information is provided to users of handheld wireless phones. Ubinetics GSM/GPRS devices are wireless phones that could be in close proximity to the user. Consequently, this information is considered valid and should be taken into account by people with pacemakers who use Ubinetics GSM/GPRS devices.

It is recommended by pacemaker manufacturers that a minimum of 20cm (8 inches) be maintained between a handheld wireless phone and a pacemaker to avoid any possible interference with the pacemaker. These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- **Should always keep the phone more than 20cm (8 inches) from their pacemaker when the phone is turned on.**
- **Should not carry the phone in a breast pocket.**
- **Should use the ear furthest away from the pacemaker to minimise the potential for interference.**

If you have any reason to suspect that interference is taking place, turn off the Ubinetics GSM/GPRS device immediately. This may be achieved most rapidly by switching off and (if it is removable) physically removing the GSM/GPRS device from its host device.

Hearing aids

Some digital wireless phones may interfere with certain hearing aids. In the event of such interference you may want to consult your hearing aid supplier to discuss solutions.

Other medical devices

Ubinetics GSM/GPRS devices transmit radio frequency energy and as such have the potential to interfere with inadequately-protected medical devices. Consult your physician or the manufacturer of the medical device to see if any particular device has sufficient protection.

It is good practice to completely turn off Ubinetics GSM/GPRS devices within a hospital or other medical facility where sensitive medical equipment is in use. In some countries, such as the United Kingdom, this is a legal requirement applying to all mobile phones and related equipment.

Effect on vehicles

RF signals may affect improperly-installed or inadequately-shielded electronic systems in motor vehicles (including safety systems). Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Notices about mobile phones

Switch off Ubinetics GSM/GPRS devices in any facility where posted notices so require of mobile phones.

Potentially hazardous atmospheres

Do not take a Ubinetics GSM/GPRS device into any area with a potentially hazardous atmosphere. Ubinetics GSM/GPRS devices are not rated for use in such environments and therefore such use may pose a threat of explosion.

Such areas are often, but not always clearly marked. They may include below decks on boats; chemical transfer or storage facilities; fuel filling stations; areas where fuel odours are present such as in a tent or caravan where cooking or heating by bottled gas is taking place; fuel transfer or storage facilities; vehicles using liquid petroleum gas (lpg); areas where the air contains concentrations of grain, dust or metal powders; and any area where you would normally be advised to turn off your vehicle engine.

Blasting areas

To avoid interference with any blasting operations, turn off your Ubinetics GSM/GPRS device when in a blasting area and other areas where the use of radio equipment is prohibited. Obey all signs and instructions.

Children

Children must not be allowed to play with or use Ubinetics GSM/GPRS devices because of the emitted RF energy and the toxic nature of batteries (where fitted). There are also small mechanical parts, such as SIM cards and antennae, which can be damaged or cause choking. If the unit is damaged, it is possible that small components and pieces of the casing or printed circuit board will pose a health risk if ingested or thrown about.

Battery use (where supplied)

A lithium ion battery is fitted to Ubinetics PDA GSM devices, and this must not be charged with a charger other than the standard PDA cradle. The battery must not be exposed to temperatures greater than +60°C (+140°F). Charge the battery only in an environment within the temperature range +5°C (+41°F) to +45°C (+113°F). Do not use any battery other than those specified for use with the GA100 and never short circuit the contacts (i.e. never allow metal to connect the terminals). The battery should not be exposed to chemicals or flames or other hazardous environments or conditions.

There is a danger of explosion if the battery temperature rises above +60°C (+140°F).

There is a danger of explosion if the battery is over charged by using a different charger.

There is a danger of explosion if the battery is exposed to flames.

The battery should not be cleaned using any type of solvent, water or chemical.

Disposal of the battery should follow the guidelines given by local government authorities.

If the battery is suspected of breaching any of the conditions given above, then it must be disposed of and a new one purchased.

Intended use

Ubinetics GSM/GPRS devices are intended for use in applications specified in their accompanying documentation. They will enable connection to a network for voice and/or data facilities. Use of Ubinetics GSM/GPRS devices for purposes other than these is not recommended and the manufacturer does not take any responsibility for any use of this product other than for which it is intended.

FCC Statement

- 1** 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.
- 2** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

When used in a mobile device a minimum distance of 20 cm must be maintained between the antenna and the user by means of design and user instructions.

Additionally, a maximum antenna gain and cable loss of 3.6 dBi is required to meet the FCC RF exposure requirements.

When used in mobile devices with an antenna above this maximum gain or in portable devices, for example in handset and body-worn devices, a separate approval will be required from the FCC.

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