

***Qoltec***<sup>®</sup>



## **SAFETY WARNINGS FOR USE GPS and GSM ANTENNAS**

The following list of safety warnings has been compiled in accordance with the requirements of the General Product Safety Regulation (EU) 2023/988 (GPSR). Its purpose is to protect users from potential hazards arising from the misuse of products. The warnings have been formulated in a simple and understandable way to be accessible to a wide audience, including the elderly and people with reduced mobility.

The GPS and GSM antennas on offer from manufacturer NTEC sp. z o.o. are CE certified, which proves their compliance with EU safety standards.

Use GPS and GSM antennas according to their intended use and manufacturer's recommendations.

### **BASIC HAZARDS AND PRECAUTIONS**

#### **1. Electrical risk**

- Incorrect connection of the antenna to the device can lead to damage to the antenna or other electronic components.
- Installing the antenna close to power lines or incorrectly connecting it to the vehicle's electrical system can pose a risk of electric shock.

#### **2. Mechanical risks:**

- Improper attachment of the antenna can lead to it accidentally falling or being damaged, which can affect the quality of the signal.
- Wind, rain, snow and other atmospheric conditions can affect the durability of an antenna, especially if it is not properly protected.

#### **3. Risks associated with RF (Radio Frequency) radiation:**

- Close and prolonged exposure to high-powered antennas can cause negative health effects, such as headaches or changes in health.
- An antenna that does not meet RF emission standards may cause interference with other radio equipment or networks.

### **SPECIFIC HAZARDS ARISING FROM USE**

#### **4. Risk of damage during installation:**

- Incorrect positioning of the antenna or mounting in areas that interfere with the signal (e.g. close to metal surfaces) can lead to reduced signal quality or damage to the antenna.
- Incorrect antenna configuration can lead to network interference, which will affect the quality of GPS or GSM connections.

#### **5. Network interference:**

- If LoRa antennas are used in the vicinity of GPS or GSM antennas, interference between the devices may occur, reducing performance.
- The antenna may not be compatible with the device or network, which may lead to a lack of connection or interference with communication.

#### **6. Impact of weather conditions:**

- Extreme weather conditions such as rain, snow and UV radiation can accelerate the corrosion processes of the antenna, especially if it is not properly protected.
- Improperly protected antenna connectors can absorb moisture, leading to damage and loss of signal quality.

### **MAINTENANCE PRECAUTIONS**

**7. Cleaning and maintenance:**

- Improper cleaning of the antenna, especially with aggressive chemicals or hard tools, can damage its surface or components.

**8. Status check:**

- Failure to regularly check the condition of the antenna and its mounts can lead to malfunction or complete failure of the unit.

**9. Storage**

- Storing the antenna in a damp, dusty place can contribute to damage or loss of functionality

**ADDITIONAL WARNINGS****10. Child safety**

- Keep antennas and their mounting components out of the reach of children to prevent accidental activation or damage.

**11. Avoid modifications**

- Do not attempt to repair or modify the antennas yourself, as this may affect their security and the quality of the connection.

**12. Compatibility:**

- Choose antennas that are compatible with your device and meet the technical standards in your country.

**13. Actions in the event of an emergency:**

- If the unit exhibits abnormal operation, such as overheating, sparking, unusual odour or noises, immediately switch it off and disconnect it from the power supply and then contact the service centre.
- If you observe any unsafe product behaviour, contact the manufacturer urgently.

**THE IMPORTANCE OF COMPLYING WITH THE WARNINGS**

Following the above warnings minimises the risk of personal injury, equipment failure and property damage. Ignoring the recommendations can lead to serious health and material risks. Keep yourself and your loved ones safe by observing the precautions indicated.

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