

Safety Information

V2.0



EN

Important – Please Read

This guide applies to Reveal body-worn video devices and accessories. Not all content may be relevant to your specific device. For safety and to prevent damage, please read the following information before using your device.

Failure to follow safety guidelines may result in serious injury or death. Failure to follow installation, usage, storage, or maintenance guidelines may also invalidate your warranty.

Use the device and accessories only for their intended purpose.

Note: This information may be updated without notice.

Reveal Warranty

For warranty details please visit:

<https://www.revealmedia.co.uk/legal-terms>



Safety information

The following information outlines key safety considerations for Reveal body-worn video devices and accessories. This list may not cover all potential risks, so please exercise caution and refer to additional guidance as needed.

Reveal devices are not intended for use by children or around pets, as small parts can present a choking hazard, and improper handling may cause injury. Children must not use the device under any circumstances.

Do not bite, suck, or insert the device or accessories into the eyes, ears, or mouth, as this could result in suffocation or serious injury.

Battery Safety

Reveal's cameras are safety-tested and appropriately certified. Reveal's cameras use lithium-ion batteries, common in portable devices like radios and mobile phones. While the cameras casing provides protection under normal conditions, excessive force, such as puncturing or crushing, can damage the battery. This may cause excessive heat, often accompanied by a hissing sound, smoke, or, in extreme cases, combustion. Users should assess the risk of trauma to the camera based on their role.

If your device becomes hot, emits unusual sounds, odours, smoke, or leaks, stop using it immediately. Move it to a safe place away from flammable materials and contact Reveal or your local distributor. Failure to act may result in fire or explosion.

Reveal recommends training staff on how to quickly and safely unmount the camera or remove the attached clothing in the event of overheating.

Battery expansion, or “bloating”, is a common issue with many lithium-ion battery powered devices that has multiple causes.

Safety information

Excessive bloating can crack or deform the device's casing. In some cases, the front and back halves may separate, exposing the battery. Bloating can also apply pressure to the LCD, causing white spots to appear on the screen when powered on. Regular visual checks for signs of bloating are recommended and if detected, stop using the device immediately and contact Reveal's Support team for assistance.

Physical deformation of the battery, especially due to a violent episode, compromises its safety and integrity. Do not use the device if it is cracked or damaged, as cracked plastic or glass can cause injury. If there are any signs of damage, we strongly recommend pausing use and contacting Reveal's Support team for inspection. This information should be included in staff training, as users may be unaware of the risks.

Medical and Health Considerations

The magnetic case, clip, and camera assembly generate a maximum surface magnetic field of approximately 220 millitesla (mT). This is below the ICNIRP general public exposure limit of 400 mT, as defined in the 2009 guidelines published in Health Physics 96(4):504–514. This limit is designed to protect all individuals, including pregnant people and those with medical sensitivities.

However, implanted medical devices such as pacemakers and defibrillators may be affected by magnetic fields as low as 0.5 mT. If you use a pacemaker, defibrillator, or similar device, do not use the magnetic clip. Use a lanyard, shirt clip, or Klick Fast mount instead.

Consult your doctor before use if you rely on medical devices or have concerns about magnetic exposure. Keep the magnetic clip away from others with implants or sensitive equipment.

Note that the Klick Fast Mount Magnetic [RVL-MT152] uses stronger magnets than the standard magnetic case and clip supplied with the Calla, KS2, KS4 and R1 cameras.

Please refer to the dedicated safety instructions and warning documents if using the Klick Fast Mount Magnetic [RVL-MT152].

Safety information

The magnets in the case and clip are coated with nickel. If you have a nickel allergy, avoid skin contact. Always ensure the magnet remains securely encased and discontinue use if the casing is damaged as exposed magnets increase the risk of injury from sharp fragments, skin irritation, hazardous dust inhalation, and accidental contact with food or drink.

Pinch and Impact Hazards

The magnetic case and clip can pose serious pinch, bruise, and blister hazards when near objects containing iron. Before use, clear the surrounding work area of any metal parts, as the magnetic force can cause objects to fly through the air with significant force from a distance. Fingers and other body parts are at risk of severe pinching due to the strong magnetic fields. The impact of colliding metal objects may cause them to shatter or splinter, potentially leading to eye or other injuries. Additionally, attracted objects may be difficult to separate. Keep sharp metal objects away from the product, and consider wearing protective gloves when first handling it.

Radio Interference

Reveal's cameras are fully certified to the required standards in the territories in which they are sold, including regulations relating to radio interference. Electronic devices can both emit and be affected by radio frequency signals from other electronics. To reduce the likelihood of interference, avoid using cameras very close to other electronic devices, particularly those that emit strong radio waves.

Where particularly sensitive devices are intended to be used alongside cameras, Reveal recommends a suitable testing regime before deployment.

Safety information

Vehicle-Based Use

When mounting a Reveal device or accessory in a vehicle, ensure it is securely fastened and does not obstruct the driver's view. Avoid placing it near airbag deployment areas, as this may cause serious injury when the airbags inflate.

On an aircraft, using electronic devices with wireless functions can interfere with the aircraft's systems. Ensure your device is turned off during take-off and landing, and that all wireless functions are disabled for the entire flight, as required by airline regulations.

Magnetic Field Risks

Store and handle the magnetic case and clip away from other electronics, as their strong magnetic fields can permanently damage or temporarily disable electronic or magnetized devices like smartphones, tablets, laptops, radios, navigation devices, hearing aids, speakers, and watches. Magnetic fields can distort or demagnetize televisions or monitors screens and items with magnetic storage or magnetic strips, including hard drives, credit cards, key cards, and ID badges, are also vulnerable to damage.

Avoid drilling or machining the case or clip, as this can produce flammable metal powder, generate high heat, and cause the magnets to shatter or break. Do not burn the magnetic case and clip, as the magnets can ignite and burn intensely, releasing toxic fumes.

Flammable and Explosive Environments

Turn off your device before entering potentially explosive environments. Avoid using or charging your device in such environments. Always adhere to health and safety regulations, posted instructions, and warning signs related to mobile devices. Do not store or transport your device with flammable liquids, gases, or explosive materials.

Correct Usage

To extend the lifespan of your device, accessories and battery, and to ensure data integrity and prevent property damage, follow all instructions carefully. Failure to adhere to these guidelines may void the manufacturer's warranty. While normal wear is expected over time, certain parts and repairs are covered under warranty within the validity period. However, damages or deterioration resulting from the use of unapproved accessories or misuse of Reveal accessories are not covered.

Protection from Damage

Your device is designed to withstand tough conditions, but it should still be used within its specified environmental limits. Avoid dropping it beyond the tested drop distance, and prevent impacts, crushing, or puncturing. Do not over-rotate the camera head beyond its specified range.

Keep the device away from extreme temperatures, as both very cold and very hot conditions can reduce battery life and cause damage. Never place it on or in heating appliances like microwave ovens, stoves, or radiators, as this may lead to overheating, explosion, or fire.

Humidity and liquids can damage the parts or electronic circuits in your device. Always keep your device dry and ensure you follow the device's stated IP rating for water and dust resistance. Water damage to your device may void the manufacturer's warranty.

Do not expose your device to direct sunlight for extended periods of time (for example, on the dashboard of a vehicle).

Avoid placing your device near external magnetic fields, as they can cause malfunctions or battery discharge.

Keep the magnetic case and clip away from corrosive substances, and flammable materials or vapors, as these may affect magnetic performance. Extreme heat can cause the case and clip to lose magnetic properties and may permanently damage them. Additionally, exposure to excessive moisture can lead to oxidation and corrosion, reducing the magnet's effectiveness.

Correct Usage

Malware and viruses

Reveal cameras include file-level encryption and a “trusted mode”, which requires a password to mount the device as a storage drive. Both features should be enabled to protect your devices, with encryption keys and passwords configured through DEMS 360. Reveal recommends establishing appropriate backup procedures, particularly for the encryption keys and passwords stored in DEMS 360.

If “trusted mode” is not used, protect your device from malware and viruses by avoiding unknown files or data transfers and by not connecting to untrusted systems. Failure to follow these guidelines may result in damage or data loss that is not covered by the warranty.

Storage

Store your device in a dry place, away from direct sunlight and heat sources, ideally at temperatures between 15°C and 25°C (59°F and 77°F), but never below -10°C (14°F) or above 35°C (95°F). Storing your device in excessively hot or cold temperatures may cause the screen to malfunction, result in damage to the device, or cause the battery to deteriorate rapidly.

Lithium-ion batteries naturally discharge over time, and prolonged periods without charging can lead to reduced performance or failure. If your device is in long-term storage, charge it to approximately 30% to 50% of full capacity every six months. Failure to recharge the battery regularly may invalidate your warranty.

The magnetic case and clip are not household products and should be stored safely when not in use.

Correct Usage

Charging

It is not advisable to keep any battery charging for extended periods or to leave batteries at full charge for too long. Batteries perform best when charged and used shortly after. While managing this may be challenging, following these guidelines will help extend battery life.

Always charge batteries in a well-ventilated room, away from direct sunlight, and at normal office temperatures. Fire safety assessments should be conducted just as they would for any similar electronic equipment.

Unused devices will naturally discharge over time and should be recharged before use. When charging via a portable power bank, ensure the voltage does not exceed 5V.

Docking Stations

Ensure the docking station is compatible with the camera model in use. Place the docking station on a flat surface or securely wall-mount it according to the instructions.

Use only the supplied power adapter. When needed, the optional power cable extension prevents strain on the adapter plug, which could cause it to detach from the docking station. Ensure adequate ventilation for the power adapter and keep it away from flammable materials during operation.

Do not use damaged or worn power cables or plugs. Check that internal wires are not exposed through the external sheathing and that cables connect securely to the docking station's ports. Avoid touching the power cord with wet hands, as this may cause electric shock or fire.

Over time, docking stations may become worn or damaged, so regular inspections are important. Check that the Micro USB (male) connectors in the ports are not bent and maintain a secure connection with the cameras. Ensure the connectors are free from splits or deformation, as damaged ports can lead to improper functionality and may compromise the cameras' USB ports.

Correct Usage

Do not insert wet cameras into the docking station, as this could cause a short circuit. Insert and remove cameras straight on, without angling, to avoid damaging the USB port. Avoid leaving cameras partially disconnected or resting at an angle in the dock, as this can also damage the USB port.

Cleaning

When cleaning your device or accessories, use a clean, lint-free cloth and avoid chemicals or detergents, as these may discolor or corrode the product and could lead to electric shock or fire.

Servicing

Only qualified personnel should service your device; unauthorized service, disassembly, or modifications may cause damage and void the warranty. If servicing is required, contact Reveal Media or your local distributor. Any modifications, including disassembling or puncturing the battery, can result in explosion, fire, and warranty voidance. The magnets in the magnetic case and clip are permanent and should not be replaced, repaired, or removed, as they are fragile and may splinter upon impact, posing risks to both users and surrounding property.

Transportation by Air

Obey all state, federal and local laws, regulations, legal requirements, including aviation laws where applicable and agency guides.

Disposal

Dispose of your device and accessories responsibly, following local waste regulations to avoid environmental harm. Never dispose of the device or battery in a fire or with regular household waste, as improper disposal can be harmful to the environment and may pose safety risks such as toxic fumes or explosions. Neodymium magnets, such as those in the magnetic case and clip, should be thermally demagnetized prior to disposal, or placed in a steel container to prevent magnetic attraction to other items during waste processing.