# **Product User Safety Information**

# 1. Read and follow the instructions

- Always follow the instructions provided in the product's user manual, on the packaging
  or on the product itself. Only use the product after you have read and understood the
  safety information. Do not use the product for purposes other than the ones described.
- Keep the user manual in a safe place. If you hand over the product to someone else, make sure you include the user manual.

# 2. Child safety hazards

- Keep any product that is not intended to be a toy out of the reach of children. Young children are unable to assess risks properly.
- Caution! If a product is a toy, read and follow the instructions provided in the enclosed user manual (see Section1) before giving the toy to a child.

Toys come with a recommended age determined by the product manufacturer. If you ignore this age recommendation based on the current development/abilities of your child you do so at your own peril. Some toys may only be used under parental supervision.

- Toys not intended for use by children under 3 years of age: Caution: Not suitable for children under 3 years of age. Choking hazard!
- · Keep packaging material out of the reach of children and pets. Health hazard!

## 3. User hazards

- Don't use products that sport visible damage. Based on the product and the type of damage, such products may cause injuries (e.g. by sharp edges) or death (e.g. by electrocution).
- For safety and legal reasons, any unauthorised modification of the product is not permitted. Do not remove the housing or disassemble the product. No user-servicable parts inside. Any repair must be carried out by a qualified service engineer.
- The product design determines which of the components are sprayproof/water proof. For more information, please refer to the user manual (see Section 1). Immersing/submerging non-waterproof products/components in water may damage the product, or, in the worst case, cause death by electrocution.
- Operating a certain type of product (e.g. machines or tools) requires the use of personal protective equipment to minimize health hazards and other risks.

This includes, for instance, the use of suitable ear protectors as well as wearing masks/ respirators, safety goggles, gloves, safety footwear and clothing.

 Using the product under the influence of alcohol or drugs (prescribed or otherwise) may pose various health hazards.

# 4. Product protection

- Protect the product against high temperature, mechanical impact, strain, flammable gases, any type of vapour and solvents.
- Handle the product with care. Mechanical impacts including falls from low height will damage the product.
- The product design determines which of the components are spray proof/water proof. For more information, please refer to the user manual (see Section 1). Immersing/submerging non-waterproof products/components in water may result in the product being damaged.
- Do not immediately connect the product to mains power after you've brought it from a cold into a warm environment (e.g. during transport). The resulting condensation can destroy the device, or result in an electric shock.

Make sure the device is at room temperature before you switch it on. Wait until all condensation has evaporated. This may take a couple of hours. Don't use it beforehand.

• Always check the voltage rating. Observe the product-specific rating when it comes to input/output voltage/amperage, power ratings etc.

# 5. Battery hazards (removable and non-removable batteries)

- · Swallowing a battery can be life-threatening! Seek immediate medical help!
- · Keep batteries out of the reach of children.
- Damaged or post-service life batteries can leak fluid. This may result in chemical burns to skin or eyes. Carefully rinse the affected body parts with plenty of warm water and seek medical attention if required.
- Damaged batteries/rechargeables can catch fire or explode.
- Do not recharge non-rechargeable batteries. This may result in a battery fire or explosion.
- Only charge rechargeable batteries. Make sure you use a charger that is suitable for the battery you want to charge. Using the wrong charger may result in a battery fire or explosion.

Keep an eye on the batteries yu charge. Since batteries heat up during charging, protect sensitive surfaces using a non-flammable cover. Keep the charger away from flammable materials (e.g. curtains).

Disconnect charger and device after the battery has been recharged.

- If your device is powered by removable batteries, make sure you use the battery type specified in the user manual or on the device.
- If the product needs more than one battery, don't use rechargeable and non-rechargeable batteries at the same time. Don't use batteries with different charge levels or amp ratings. Replace all batteries, not just one.
- Batteries contain many chemicals that harm the environment. Dispose of the batteries according to environmental guidelines (see "Disposal").

# 6. Products with built-in light sources/lasers

Examples: Torch, ceiling light, laser pointer, presenter, projector

- Caution! Do not look into the light or laser beam generated by an optical instrument. This may cause permanent damage to your eyes.
- · Do not point lasers at people or animals.
- Strobe/flickering lights may cause balance issues and even trigger epileptic seizures in some people.

# 7. Products with built-in fans

### Examples: Heater, fan, charger

- Keep small items, lightweight objects, hair etc out of the way as these may get sucked into the product and damage it. There is also the risk of getting injured or catching fire.
- Don't cover any air intake vents or blower nozzles of the product as this results in malfunction. Moreover, it leads to overheating and poses a fire risk.
- Don't block rotating fan blades. Don't stick your finger in a fan. You might get injured.

# 8. Products with a removable fuse

### Examples: Multimeter, PSU, amplifier

- · Unplug the device form the power source before replacing the fuse.
- Don't bridge a blown fuse. There's a serious risk of a fire or of death by electrocution.
- Always replace fuses like-for-like (same type, same rating).
- If the fuse blows again, unplug the product from the power source and get it tested by a qualified engineer. Stop using the product.

# 9. Products that need to be fitted

- Use the appropriate fixing materials (e.g. use screws and wall plugs suitable for the substrate).
- Make sure you don't damage any cables or wires when drilling holes or tightening screws.
- Don't fit these products to vehicles unless approved by the product manufacturer.

# 10. Free-standing products

- The product must be placed on a horizontal, stable, smooth and appropriately sized surface. Do not place the product on carpets and other flammable substrates.
- · Protect valuable surfaces using a mat to prevent scratches or denting.
- · Ensure proper product cooling. Do not cover the product.

# 11. Mains-powered products

### Examples: TV, PC, charger, drill, ceiling lamp, iron, kitchen appliance

Inappropriate use of mains-powered products may result in injury or death by electrocution.

- Do not touch devices or power cables that show visible damage. Life hazard!
   Disconnect the product from mains by turning off the fuse box mains breaker or by removing the fuse and switching off the RCCB. Use suitable testing equipment to check whether the device is de-energised.
- The mains outlet needs to be protected by a fuse and an RCD that trips at the legally required amperage.
- Before connecting the device make sure that the mains voltage rating in your part of the world meets the one stated on the product's type badge. Make sure the device is switched off before connecting it to mains.

# a) Product to be connected to mains by screw contacts, solder lugs or power cables with open ends.

 The product must be installed by a qualified engineer who is familiar with the relevant industry regulations (e.g. VDE etc).

Product must be installed and connected with the mains power supply being turned off. Switch off both the respective fuse and the RCD to ensure that the mains power is completely off. Prevent accidental reconnection by putting up a warning sign etc. Check whether mains power is off using suitable testing equipment (digital multimeter etc). **Important!** 

Installation must be carried out by a qualified engineer. \*)

Incorrect installation poses a risk

- to your life.
- the life of the people using the devices.

Incorrect installation may also result in significant damage to property i.e. in the case of a fire. You will be held responsible for any juries or damages caused.

Always call in an electrical contractor.

### \*) Professional knowledge required for installing the product

This includes:

- "Five Safety Rules": Disconnect mains; safeguard against accidental reconnection; ascertain power is off; earth and shunt; cover/cordon off close-by components that are still live
- Use of suitable tools, testers and PPE if required
- Take readings and analyse them
- Use wiring supplies that ensure proper mains disconnection
- IP protection ratings
- Fitting electrical insulation
- Type of protection (TN, IT, and TT) and the resulting connection types (traditional earthing, PG'ing, additional measures, etc).

If you lack the know-how in one of the above areas, do not install and connect the product yourself. Call in a qualified tradesperson.

- Make sure you maintain the required space between live components and parts of the housing/other wiring.
- If the device is Class I protected, you need to connect the earth wire. Otherwise, equipment failure may cause injury or death by electrocution.
- Remove any metallically conductive objects such as necklaces, armbands, rings etc before connecting the device.
- After the product has been disconnected from mains, capacitors that are part of the circuitry may still be charged. Risk of injury or death by electrocution.

### b) Products with solder lug connectors

- · Use solder and equipment suitable for electronic components.
- Make sure you carry out any soldering work swiftly to prevent overheating and, thus, damage to the product.

### c) Products without touch protection

- Products without touch protection (e.g. electronic modules, arrays, components, etc.) are intended for use in appliances with housings.
- Make sure you put suitable touch protection measures in place before using these products. Otherwise, this may result in injury or death by electrocution.
- · Secure all wiring accordingly, and fit a strain relief if applicable.

### d) Products with a power cable

- Don't squeeze power cables. Protect them from sharp edges. Don't put heavy objects on cables. Don't step on cables. Route the cables in a way that prevents people from tripping over them. Do not run power cables under a carpet etc.
- Damaged power cables that are permanently fitted to devices must be replaced by a qualified engineer.
- Damaged removable power cables need to be replaced like-for-like (same type/rating/ cross section). Do not repair damaged power cables!

### e) Products with mains plug

- The mains outlet used to power the device needs to be close and accessible.
- Unplug mains supply by grabbing the designated parts of the plug. Don't pull a plug out by its cord.

### f) Product with a separate PSU

- Make sure that voltage rating, polarity (+/-) and plug size (inner/outer diameter) comply with the device's specs before connecting a product to a mains plug or a separate PSU.
- If the mains PSU comes with a country-specific adapter (EU states, UK, etc) make sure you plug in the adapter first in the required way.

### g) Products used outdoors

- Only install, connect and use the product in accordance with its IP rating. Inappropriate use may result in injury or death by electrocution.
- · Any required terminals, cables, plugs or connectors need to be suitable for outdoor use.

### h) Products used indoors

- Only install, connect and use the product in accordance with its IP rating. Inappropriate use may result in injury or death by electrocution.
- Do not expose product to moisture or water. Do not use the product in bathrooms, showers, bath tubs etc. This may result in injury or death by electrocution.
- Do not touch, connect or operated the product when your hands are wet or moist. This
  may result in injury or death by electrocution.
- Do not pour liquids over/next to the product. This may result in a fire or in injury/death by electrocution.

Do not touch the product after liquid managed to get inside. Disconnect the product from the power supply right away (remove the respective fuse/switch off RCCB and RCD). Contact a service engineer. Stop using the product.

# 12. Cleaning & Maintenance

Read the user manual before you clean or service the product (see Section 1). Using the wrong cleaners may damage the product and pose other hazards.

# 13. Disposal

### a) Product



Any electrical and electronic equipment sold in the EU must display this symbol. This symbol tells you that the product cannot be disposed of via household waste after no longer being in use.

Law requires all owners of WEEE (Waste from Electrical and Electronic Equipment) to recycle them separately. End consumers must remove empty batteries or rechargeables that are not an intrinsic part of WEEE as well as light bulbs that can be removed from WEEE without breaking, before taking them to a designated collection point.

Distributors of electrical and electronic equipment must take back WEEE. At Conrad, you've got the following **free** recycling options (more information available on our webpage):

- at our retail stores
- at Conrad collection points
- at communal recycling centres, or via WEEE-compliant recycling schemes set up by manufacturers and distributors

End consumers are responsible for the deletion of personal information stored on WEEE. Keep in mind that WEEE regulations issued by countries other than Germany may differ.

### b) Batteries (rechargeable and disposable)

Remove any batteries from the device and discard them separately. Being the end consumer, law (Battery Act) requires you to recycle all used batteries appropriately. Do not put batteries in your household waste.



Batteries that contain hazardous materials display the logo shown here to tell you that they cannot be discarded via household waste. The relevant heavy metals are Cd=cadmium, Hg=mercury, Pb=lead (the element names are shown blow the bin symbol on the battery).

You can recycle batteries free of charge by taking them to communal recycling centres, our retail stores and to any place that sells batteries. Doing this means you both observe the law and help protect the environment.

Use tape to cover any exposed battery contacts to prevent short circuiting. Even fully discharged batteries contain enough rest charge to pose a health risk (in the form of bursting, heating up, catching fire, exploding) in the event of a short circuit.

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