

PROJECTOR SAFETY INSTRUCTIONS

Document prepared in accordance with Regulation (EU) 2023/988 on General Product Safety Regulation (GPSR)

Purpose of the document

The purpose of this instruction is to ensure the safe use of projectors by identifying potential hazards and presenting practical preventive measures in compliance with the current requirements of European Union product safety law.

1. General hazards and precautions

1.1 Electric shock hazard:

- Connect the projector only to a grounded socket equipped with a residual current device (RCD).
- Use only the power cable supplied with the device.
- Do not touch the plug or socket with wet hands.
- If you notice sparking, burning smell, or damage to the power cable – immediately disconnect the device from the power source and contact an authorized service center.
- Do not open the projector housing – risk of contact with live electrical parts.

1.2 Fire and overheating hazard:

- Ensure adequate ventilation – do not cover the projector's ventilation openings.
- Do not place the projector near flammable materials such as curtains, paper, or fabrics.
- Do not place the projector in locations exposed to high temperatures, e.g., near heaters or in sunlit rooms.
- Do not leave the projector turned on unattended, especially in enclosed spaces.

- Regularly check the condition of air filters and fans to prevent overheating.

1.3 Burn hazard:

- Do not touch the projector lamp or its housing immediately after turning off – the lamp may remain hot for several minutes.
- Allow the device to cool down before performing maintenance or lamp replacement.

1.4 Eye hazard:

- Never look directly into the projector lens while it is operating – the light emitted by the lamp or laser may damage eyesight.
- Ensure the light beam is not directed at people or animals.
- Position the projector so that the emitted light does not cause discomfort to users' eyes.

1.5 Mechanical damage:

- Place the projector on a stable, flat surface or use a dedicated mounting bracket.
- Do not carry the projector by the lens or delicate parts – hold it by the housing or designated handles.
- Be careful when adjusting the position or tilt of the projector – do not use excessive force.

2. Specific hazards and mitigation

2.1 Operation in high humidity environments:

- Do not use the projector in rooms with high humidity such as bathrooms, kitchens, or basements.
- If the device is flooded, immediately disconnect it from the power source and do not attempt to turn it on. Contact an authorized service center.

2.2 High and low temperatures:

- Use the projector within the ambient temperature range of 10°C to 35°C.
- Do not expose the device to direct sunlight or heat sources.
- After bringing the projector from a cold environment, wait 1–2 hours until it reaches room temperature before turning it on.

2.3 Hazards related to the projector lamp:

- Use only lamps recommended by the manufacturer – incorrect lamps can damage the device or pose a fire risk.
- Replace the projector lamp according to the manufacturer's instructions, always with the device turned off and disconnected from power.
- Store used lamps in a safe place away from children and dispose of them according to local regulations.

2.4 Noise and vibrations:

- Unbalanced fans or damaged components may cause noise and vibrations – in such cases, contact service.
- Ensure the projector is securely mounted to avoid vibrations during operation.

3. Maintenance and cleaning

3.1 Preparation:

- Always disconnect the projector from power and allow it to cool down before cleaning or maintenance.
- Prepare appropriate tools such as microfiber cloths or compressed air.

3.2 Cleaning the lens:

- Use a soft microfiber cloth and special optical cleaning fluid.
- Do not press hard on the lens – risk of scratching or damaging the coating.

- Do not spray cleaning fluid directly onto the lens; apply it to the cloth and gently wipe the surface.

3.3 Cleaning the housing and ports:

- Use a dry or slightly damp cloth to clean the housing.
- Remove dust from ports (e.g., HDMI, USB) using compressed air or electronics cleaning swabs.
- Avoid using harsh chemicals like alcohol or solvents.

3.4 Cooling system maintenance:

- Regularly (every 3–6 months) check and clean air filters and ventilation openings using compressed air.
 - If the fan is noisy or runs unevenly, contact an authorized service center.
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4. Additional recommendations

4.1 Safety for children and pets:

- Place the projector out of reach of small children and pets.
- Secure power cables to prevent pulling or tipping the device.
- Do not allow children to operate the projector without adult supervision.

4.2 Ergonomics and positioning:

- Position the projector to ensure comfortable viewing – avoid placing it too close to viewers.
- Make sure the light beam does not cause glare or discomfort to eyes.
- When mounting on the ceiling, use certified mounts and ensure they are properly secured.

4.3 Familiarization with documentation:

- Read the manufacturer's user manual before first use.
 - Verify that the projector has CE marking and safety certifications.
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5. Disposal and environment

- Dispose of used projectors, lamps, cables, and accessories at authorized electronic waste collection points according to the WEEE Directive.
 - Do not throw projectors or lamps into mixed waste – projector lamps may contain chemicals such as mercury.
 - Before recycling, remove personal data if the device stores information (e.g., projectors with built-in software).
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Summary

Following these instructions significantly reduces the risk of accidents, equipment damage, and health hazards. The projector is a device requiring proper handling, regular maintenance, and use according to its intended purpose. Take care of your safety and surroundings by adhering to manufacturer recommendations and applicable EU laws.