

Projector

User's Manual - Safety Guide

Thank you for purchasing this projector.



⚠ WARNING • To ensure correct use of your projector, read these manuals carefully before use. After reading, store them in a safe place for future reference. Incorrect handling of this product could possibly result in personal injury or physical damage. The manufacturer assumes no responsibility for any damage caused by mishandling that is beyond normal usage defined in these manuals of this projector.

NOTE • The information in this manual is subject to change without notice.

- The illustrations in the manual are for illustrative purposes. They may differ slightly from your projector.
- The manufacturer assumes no responsibility for any errors that may appear in this manual.
- The reproduction, transmission or use of this document or contents is not permitted without express written authority.

About The Symbols

Various symbols are used in this manual, the user's manual and on the product itself to ensure correct usage, to prevent danger to the user and others, and to prevent property damage. The meanings of these symbols are described below. It is important that you read these descriptions thoroughly and fully understand the contents.

 WARNING	This symbol indicates information that, if ignored, could possibly result in personal injury or even death due to incorrect handling.
 CAUTION	This symbol indicates information that, if ignored, could result possibly in personal injury or physical damage due to incorrect handling.

Typical Symbols



This symbol indicates an additional warning (including cautions). An illustration is provided to clarify the contents.



This symbol indicates a prohibited action. The contents will be clearly indicated in an illustration or nearby (the symbol to the left indicates that disassembly is prohibited).



This symbol indicates a compulsory action. The contents will be clearly indicated in an illustration or nearby (the symbol to the left indicates that the power plug should be disconnected from the power outlet).

Safety Precautions

WARNING

Never use the projector if a problem should occur.

Smoke, strange odor, no image, no sound, excessive sound, damaged casing or elements or cables, penetration of liquids or foreign matters, and other abnormalities can cause fire or electrical shock.

In these cases, immediately turn off the power and disconnect the power plug from the power outlet. After making sure that the smoke or odor has stopped, contact your dealer. Never attempt to repair it by yourself to avoid the injury risk.

- The power outlet should be close to the projector and easily accessible.

Use special caution for children and pets.

Incorrect handling could result in fire, electrical shock, injury, burn or vision problem.

Use special caution in households where children and pets are present.

Do not put liquids or foreign objects in the projector.

Penetration of liquids or foreign objects could result in fire or electrical shock.

Use special caution in households where children are present.

If liquids or foreign objects should enter the projector, immediately turn off the power switch, disconnect the power plug from the power outlet and contact your dealer.

- Do not place the projector near water (ex. a bathroom, a beach, etc.).
- Do not expose the projector to rain or moisture. Do not place the projector outdoors.
- Do not place flower vases, pots, cups, cosmetics, liquids such as water, etc on or around the projector.
- Do not place metals, combustibles, etc on or around the projector.
- To avoid penetration of foreign objects, do not put the projector into a case or bag together with any thing except the accessories of the projector, signal cables and connectors.

Never disassemble and modify.

The projector contains high voltage components. Modification and/or disassembly of the projector or accessories could result in fire or electrical shock.

- Never open the cabinet.
- Ask your dealer for repairs and cleaning inside the projector.

Do not give the projector any shock or impact.

If the projector should be physically shocked and/or broken, it could result in injury, and continued use could result in fire or electrical shock.

If the projector should be physically shocked, immediately turn off the power switch, disconnect the power plug from the power outlet and contact your dealer.

Do not place the projector on an unstable surface.

If the projector should be dropped and/or broken, it could result in injury, and continued use could result in fire or electrical shock.

- Do not place the projector on an unstable, slant or vibrant surface such as a wobbly or inclined stand.
- Use the caster brakes placing the projector on a stand with casters.
- Do not set the projector on the terminal side, rear end, or front.
- In the case of a ceiling installation or the like, contact your dealer before installation.



Disconnect the plug from the power outlet.



Do not disassemble.



Safety Precautions (continued)

WARNING

Be cautious of high temperatures of the projector.

High temperatures are generated when the lamp is lit. It could result in fire or burn. Use special caution in households where children are present.

Do not touch the lens, cooling fans and ventilation openings during use or immediately after use, to prevent burns. Ensure that the projector is mounted in a well-ventilated area.

- Keep a space of 50 cm or more between the sides and other objects such as walls.
- Do not place the projector on a metallic table or anything weak against heat.
- Do not place anything around the lens, cooling fans and ventilation openings of the projector.
- Never block the cooling fan and ventilation openings.
- Do not cover the projector with a tablecloth, etc.
- Do not place the projector on a carpet or bedding.

Never look through the lens or openings when the lamp is on.

The powerful light could adversely affect your vision.

Use special caution in households where children are present.

Use only the correct power cord and the correct power outlet.

Incorrect power supply could result in fire or electrical shock.

- Use only the correct power outlet following the indication on the projector and the safety standard.
- The power outlet you intend to use must match the plug of the enclosed power cord.

Be cautious of the power cord connection.

Incorrect connection of the power cord could result in fire or electrical shock.

Use the supplied power cord only.

- Do not touch the power cord with your wet hands.
- Check that the connecting portion of the power cord is clean (with no dust), before using. Use a soft, dry cloth to clean the power plug.
- Insert the power plug into a power outlet firmly. Avoid using a loose outlet. Ensure that the power plug and the outlet have a secure contact.
- Do not remove the ferrite core from the power cord.

Be sure to connect with ground wire.

Connect the ground terminal of AC inlet of this unit with the ground terminal provided at the building using the correct power cord otherwise, it could cause fire or electric shock.



Surely connect the ground wire.

Safety Precautions (continued)

WARNING

Be careful in handling the lamp.

The projector uses a high-pressure mercury glass lamp. The lamp can break with a loud bang, or burn out when mishandled. When the bulb bursts or shatters, shards of glass may scatter throughout the lamp housing and the gas containing mercury may escape from the projector's vent holes.



Please carefully read the section “Lamp”.

Be careful in handling the power cord and external connection cables.



- Do not use tied power cord.

Using a damaged power cord or cables can cause fire or electrical shock. Keep the power cord and cables away from heat sources. Do not put them in a place subject to excessive pressure or tension.

If the power cord or cables are damaged (exposed or broken core wires, etc.), contact your dealer for replacements.

- Do not place the projector or heavy objects on the power cord and cables. Also, do not cover the power cord and cables with a cloth or other materials to prevent unintentionally placing heavy objects on them.
- Do not pull the power cord and cables. Hold the plug or connector when connecting or disconnecting the power cord or cables.
- Do not place the cord near the heater.
- Do not bend the power cord.
- Do not step on the power cord.

Be careful in handling the battery of the remote control.

Incorrect handling of the battery could result in fire or personal injury. The battery may explode if not handled properly.



- Keep the battery away from children and pets. If swallowed consult a physician immediately for emergency treatment.
- Do not immerse the battery in water, allow it to get wet or expose it to fire.
- Avoid fire or high-temperature environment.
- Do not hold the battery with metallic tweezers.
- Keep the battery in a dark, cool and dry place.
- Do not short circuit the battery.
- Do not recharge, disassemble or solder the battery.
- Do not give the battery a physical impact.
- Use only the battery specified in the manual of this projector.
- Make sure the plus and minus terminals are correctly aligned when loading the battery.
- If you observe a leakage of the battery, wipe the fluid off with a dry cloth and replace the battery. In case the fluid gets in contact with your eyes, skin, or clothing, immediately flush the affected area with clean water.
- Obey the local laws on disposing the battery.

Safety Precautions (continued)

CAUTION

Be careful in moving the projector.

Failure to do so could result in personal injury or physical damage.

- Do not move the projector during use. Before moving, disconnect the power cord and all external connections, and close the slide lens door or attach the lens cap.
- Avoid any impact or shock to the projector.
- Do not drag the projector.
- For moving the projector, use the enclosed case or bag if provided.



Do not put anything on top of the projector.

Placing objects on the projector could make the projector off balance, fall off and cause personal injury or physical damage. Use special caution in households where children are present.



Do not attach any parts that are not specified in the manual of this product.

Failure to do so could result in personal injury or physical damage.

- Some projector has a screw thread in a lens part. Do not attach any parts other than specified options (such as conversion lens) to the screw thread.



Avoid a smoky, humid or dusty place.

Placing the projector in a smoke, a highly humid, dusty place, oily soot or corrosive gas could result in fire or electrical shock.

- Do not place the projector near a smoky, humid or dusty place (ex. a smoking space, a kitchen, a beach, etc.). Do not place the projector outdoors.
- Do not use a humidifier near the projector.



Maintain the air filter clean for proper ventilation.

The air filter should be cleaned periodically. If the air filter becomes clogged with dust or the like, internal temperature rises and could cause malfunction. The projector may display a message "CHECK THE AIR FLOW" as the internal temperature is rising. Turn the power off if you see this message.

- When the indicators or a message prompts you to clean the air filter, clean the air filter as soon as possible.
- Replace the air filter if it is excessively soiled or damaged.
- Use the air filter of the specified type only. Please contact your dealer for a replacement specified in these manuals.
- When you replace the lamp, replace the air filter as well. The air filter may be attached when you buy a replacement lamp for this projector.
- Do not turn on the projector without the air filter attached.



Avoid a high temperature environment.

Heat could have an adverse influence on the cabinet of the projector and other parts. Do not place the projector, the remote control and other parts in direct sunlight or near a heat source such as heater, etc.



Avoid Magnetism.

It is recommended to avoid any magnetic contact that is not shielded or protected on or near the projector. (i.e. magnetic security devices, or other projector accessory that contains magnetic material that has not been provided by the manufacture, etc.) Magnetic objects may interrupt the projector's mechanical performance and interfere with the motion of cooling fans, which could result in the projector to completely shut down.



Safety Precautions (continued)

CAUTION

Unplug the power cord when not in use.

- For safety purposes, disconnect the power cord if the projector is not to be used for prolonged periods of time.
- Before cleaning, turn off the projector and unplug the power cord. Failure to do so could result in fire or electrical shock.



Disconnect the plug from the power outlet.

Inside of the projector needs to be cleaned occasionally, at least once a year. Ask your dealer for cleaning.

Accumulated dust inside the projector could cause fire or malfunction. Cleaning inside is more effective if performed before every humid period such as rainy season.



- Do not attempt to clean inside the projector yourself as it is dangerous.

NOTE

Do not give the remote control any physical impact.

A physical impact could cause damage or malfunction of the remote control.

- Do not drop the remote control.
- Do not place the projector or heavy objects on the remote control.

Take care of the lens.

- Close the slide lens door or attach the lens cap to prevent the lens surface being scratched when the projector is not used.
- Do not touch the lens. Doing so will leave fog or dirt on the surface of the lens and could cause deterioration of display quality.
- Use commercially available lens tissue to clean the lens (for cleaning camera lenses and eyeglasses and such). Be careful not to scratch the lens with hard objects.

Take care of the cabinet and the remote control.

Incorrect care could have adverse influence such as discoloration, peeling paint, etc.

- Use a soft cloth to clean the cabinet and control panel of the projector and the remote control. When excessively soiled, wipe the intended surface with a soft cloth dampened with diluted neutral detergent. Do not apply undiluted detergent directly.
- Do not use an aerosol sprays, solvents, volatile substances or abrasive cleaner.
- Before using chemical wipes, be sure to carefully read and observe its instructions.
- Do not allow a long-term close contact with rubber or vinyl.

Optical component

It may be necessary to replace the optical components such as DLP® chip(s) and Polarizing plates in less than 1 year if using the projector in a high temperature environment or in a very dusty, oily smoke or tobacco smoke environment. For more details, please contact your dealer.

Safety Precautions (continued)

NOTE

About consumables.

Lamp, polarizers and other optical components, and air filter and cooling fans have a different lifetime in each. These parts may need to be replaced after a long usage time.

- This product is not designed for continuous use of long time. In case of continuous use of 6 hours or more, or repetitive use of a few hours may shorten the lifetime of the optical components and other parts. And these parts may need to be replaced even if one year has not passed since the beginning of using.
- Any inclining use beyond the adjustment range explained in these user's manuals may shorten the lifetimes of the consumable parts.

Before turning on the power, allow the projector to cool adequately.

Do not turn the projector on for about 10 minutes or more after turning it off.

Also, do not turn the projector off shortly after turning it on. Powering on/off the projector while it is still hot could cause a damage to the electrode and the lamp not to light.

Avoid strong rays.

Any strong ray (such as direct rays of the sun or room lighting) onto the remote control sensors could invalidate the remote control.

DLP® chip(s)

- DLP chip(s) is/are precision-made parts. In rare cases, pixels may be missing or lit, but this is not a malfunction.
- Direct high-power laser beam onto the lens surface can damage the DLP chip(s).

Avoid radio interference.

Any interfering radiation could cause disordered image or noises.

- Do not put radio generators such as a mobile telephone, transceiver, etc. around the projector.

Turn the power on/off in the right order when connected to other devices.

To prevent any trouble of the devices such as computers and video players that are connected to the projector, turn on/off the projector in the right order mentioned below unless otherwise specified.

- Power on the projector before the computer or other peripheral equipments.
- Power off the projector after the computer or other peripheral equipments.

Avoid eye tiredness.

Rest your eyes occasionally.

Lamp

WARNING



HIGH VOLTAGE



HIGH TEMPERATURE



HIGH PRESSURE

The projector uses a high-pressure mercury glass lamp. The lamp can **break with a loud bang, or burn out**, if jolted or scratched, handled while hot, or worn over time. Note that each lamp has a different lifetime, and some may burst or burn out soon after you start using them. In addition, when the bulb bursts, shards of glass may scatter throughout the lamp housing and the gas containing mercury may escape from the projector's vent holes.

About disposal of a lamp • This product contains a mercury lamp; do not put it in a trash. Dispose it in accordance with environmental laws.

For lamp recycling, go to www.lamprecycle.org. (in USA)

For product disposal, contact your local government agency or www.eiae.org (in the US) or www.epsc.ca (in Canada).

For more information, call your dealer.



Disconnect
the plug from
the power
outlet

- If the lamp should break (it will make a loud bang when it does), unplug the power cord from the outlet, and contact your local dealer to replace the lamp. Note that shards of glass could damage the projector's interior components, or cause injury during handling. Do not try to clean the projector or replace the lamp yourself.

- If the lamp should break (it will make a loud bang when it does), ventilate the room well, and make sure not to breathe in the gas that comes out of the projector vents, or get it in your eyes or mouth.

- As replacing the lamp yourself, only when the lamp bulb is not broken or shattered, make sure the power is switched off and the power cable is not plugged in, then wait at least 45 minutes for the lamp to cool sufficiently. Handling the lamp while hot can cause burns, as well as damaging the lamp.



- Do not open the lamp cover while the projector is suspended from above, since the glass shards from the broken bulb may fall out when the cover is opened. In case the projector is mounted on a ceiling, contact your dealer for a replacement of the lamp even when the lamp bulb is not broken.

- Do not use the projector with the lamp cover removed. After replacing the lamp, make sure that the screws are securely tightened. Loose screws could result in damage or injury.



- Use only the specified type of lamp.

- If the lamp breaks soon after the first time it is used, it is possible that there are electrical problems elsewhere besides the lamp. If this happens, contact your local dealer or a service representative for repairs.

- Handle with care: jolting or scratching could cause the lamp bulb to burst during use.

- Using the lamp for extended periods of time could cause the lamp to lose the luminance, burst or not to light up. Replace the lamp as soon as the projected images appear dark or the color tone is poor. Do not use previously used lamps since they could easily break.