



20197170

# Hisense

## Quick Setup Guide

Before using the Laser Mini Projector, please read this guide carefully and keep it for future reference.

English



## HISENSE LIMITED PTY WARRANTY AND DISCLAIMER

### ACCEPTANCE OF TERMS: Laser Mini Projectors

By using this Laser Mini Projector, you agree to the terms and conditions outlined in the Warranty and, where applicable, the Disclaimer. If you do not agree to the terms and conditions you have the option to return the Laser Mini Projector to the relevant retailer within 7 days of the original purchased date and obtain a refund, provided the Laser Mini Projector has not been used or damaged.

### HISENSE DISCLAIMER

#### THIRD PARTY CONTENT AND SERVICES: Laser Mini Projectors

##### What does this Disclaimer apply to?

1. This Disclaimer applies in relation to any Laser Mini Projector (together with any remote and other accessories supplied with it) (**Laser Mini Projector**) supplied by Hisense Australia Pty Ltd (**Hisense**) or an Authorised Retailer, and if you can access any third party software application, content and/or services (**Third Party Content and Services**) through the Laser Mini Projector.

2. This Disclaimer does not limit your rights under the Australian Consumer Laws (for Australian customers) or the Consumer Guarantees Act 1993 (for New Zealand customers).

##### The basis on which Third Party Content and Services are provided

3. Third Party Content and Services are **accessed and used at your own risk**, regardless of who installed the Third Party Content and Services on the Laser Mini Projector. To the maximum extent permitted by law, Hisense makes no warranty, guarantee, representation or undertaking in relation to any Third Party Content and Services.

4. You must comply with any terms and conditions relating to the Third Party Content and Services.

5. Hisense can **restrict your access** or use of certain Third Party Content and Services.

6. **Hisense is not liable or responsible for your use of the Third Party Content and**

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- c. breach of the law or the rights of any other person or entity arising from the use of any Third Party Content and Services;
- d. customer service or support in relation to any Third Party Content and Services.

##### 7. You acknowledge and agree that:

- a. the performance of the Third Party Content and Services will depend on variables beyond the control of Hisense;
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- c. adhere to any additional terms where a Third Party Content or Service requires internet access;
- d. pay any additional charges relating to the use of a Third Party Content and Service.

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DC voltage: This symbol indicates that the rated voltage marked with the symbol is DC voltage.

## **The intended use and ambient conditions for this device**

This device is intended for the rendering of video and audio signals, on a table-top, in a home or office environment. It must not be used in rooms with a high level of humidity or dust concentration. The warranty is only valid if used as intended by the manufacturer.

- Do not expose this device to rain, moisture, dripping or splashing water, and do not place objects filled with liquids, such as vases, cups, etc. on or over the device.
- Do not touch the device with wet hands.
- Do not expose to direct air-conditioning and keep candles or other naked flames away from the device at all times.

If the device is moved from a cold environment to a hot environment, leave it switched off for at least an hour to avoid condensation. If used outside, make sure it is protected from moisture.

If you notice anything unusual, immediately remove the power plug.

In case of fire, use preferably a CO<sub>2</sub> gas or powder fire extinguisher. If such extinguishers are not accessible, try to isolate the electrical supply before using a water fire extinguisher.

This is the class A equipment. Operation of this equipment in a residential environment could cause radio interference.

A Laser Mini Projector may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- ALWAYS use cabinets or stands or mounting methods recommended by the manufacturer of the Laser Mini Projector.
- ALWAYS use furniture that can safely support the Laser Mini Projector.
- ALWAYS ensure the Laser Mini Projector is not overhanging the edge of the supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the Laser Mini Projector or its controls.
- ALWAYS route cords and cables connected to your Laser Mini Projector so they cannot be tripped over, pulled or grabbed.
- NEVER place a Laser Mini Projector in an unstable location.
- NEVER place the Laser Mini Projector on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and Laser Mini Projector to a suitable support.
- NEVER place the Laser Mini Projector on cloth or other materials that may

be located between the Laser Mini Projector and supporting furniture.

- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the Laser Mini Projector or furniture on which the Laser Mini Projector is placed.

If your existing Laser Mini Projector is being retained and relocated, the same considerations as above should be applied.

## ■ Power Supply

Incorrect voltages can damage the device. Only connect this device to a power supply with the correct voltage and frequency noted on the type plate, using the supplied power cable.

The power plug must be easily accessible so that the device can be disconnected at all time. The device is live, even if in standby mode, as long as the device is connected to a power outlet.

It is recommended that this device is placed on a dedicated circuit.

- Do not overload the power outlets by connect too many appliances to the same outlet. Overloaded wall outlets, extension cords, etc. are dangerous and can result in electric shock and fire.

After power off, don't turn it on again in 5 seconds. Frequent switching power supply in a short period of time can cause abnormal device.

## ■ Power plug and power cable

- Do not touch the power plug with wet hands.
- Do not place heavy objects on the power cable. Route the cable so that it is not kinked or laid over sharp edges, walked on or exposed to chemicals. A power cable with damaged insulation can cause electric shock and fire.
- Pull the power plug, NOT on the cable when disconnecting. The cable can become damaged and cause a short circuit if pulled on.
- Do not place the power cable near a high temperature object.
- Do not move the device with the power cable plugged into a socket.
- Do not use a damaged or loose power cable, or a damaged socket outlet.
- Do not use any power cords other than the one supplied with this device.

## ■ Air ventilation and high temperatures

Install your device only where there is proper ventilation, and ensure that there is at least 20 cm free space on the sides and 20 cm free space on the back for air circulation. Excessive heat and obstruction of ventilation could lead to fire or early failure of some electric components.

- Do not block any ventilation openings with newspapers, tablecloths, curtains, etc.
- Do not dry clothing etc. on top of the device.
- Take care not to touch the ventilation openings since they may become hot.
- Do not insert foreign objects into the device through the vents.

## ■ Warning about off-gassing

New furniture, carpet, paint, building materials and electronics can release chemicals into the air through evaporation. After you set your device up and turn it on for the first time, you may notice a slight smell within a couple of hours. This is because some components of device are heating up for the first time. The materials that we use fully meet the environmental requirements and regulations. Your device is working just fine and the fumes from the off-gassing will diminish eventually.

## ■ Supervision

- Do not let children play unsupervised close to the device. It could tip over, be pushed off or pulled down from the stand surface and injure someone.
- Do not allow a switched-on device to run unattended.

## ■ Volume

Loud music and noises can lead to irreparable damage to your ears. Avoid extreme volume, especially over long periods and when using headphones. If you hear a drumming noise in your ears, turn down the volume or temporarily stop using headphones.

## ■ Thunder Storms

Pull out the power plug from the device during a thunderstorm. Overvoltage caused by lightning strikes can damage the device via the wall socket.

## ■ Long periods of absence

As long as the power plug is connected to a live socket outlet, the device will consume power even in standby mode. The power plug should be disconnected during long periods of absence.

## ■ Cleaning and care

### **CAUTION:**

Unplug the power cord prior to cleaning the device.

Clean the device, the screen, and the remote control with a soft, moist, clean and colour-natural cloth only. Do not use any chemicals.

- Do not subject the surfaces to insect repellent, solvent, thinner or other volatile substances. This may degrade the surface quality.
- Do not spray water or other liquids directly on the device. Liquid inside the device could lead to product failure.
- Also wipe the power plug with a dry cloth at regular intervals.

## ■ Service/Repair

Never remove the cover/back of the device; there are no user serviceable parts inside. Refer all service to qualified service personnel.

## ■ Packaging

Keep the anti-moisture materials and plastic bags out of reach of children. Plastic bags can cause suffocation and the anti-moisture material is harmful if swallowed. If swallowed by mistake, force the patient to vomit and visit the nearest hospital.

## ■ Modification

Do not attempt to modify this product in any way. Unauthorized modification could void the warranty of this device, cause electric shock and fire.

## ■ Remote Control batteries

- Incorrect installation may cause battery leakage, corrosion and explosion.
- Replace only with the same or equivalent type.
- Do not mix old and new batteries.
- Do not mix different battery types.
- Do not use rechargeable batteries.
- Do not burn or break up batteries.
- Be sure to dispose of batteries correctly.
- Do not expose batteries to excessive heat such as sunshine, fire or the like.

## ■ Disposal

Refer to the recycling section of this guide.

## ■ Laser

**Do not look directly at the lens when this device is on because the laser light may damage your eyes!**

- This product comes with a laser module. Do not tear or modify this device

in any manner; otherwise, it may result in personal injury.

RG2 IEC 62471-5: 2015

CLASS 1 LASER PRODUCT IEC 60825-1: 2014

As with any bright light source, DO NOT STARE INTO THE BEAM

$\lambda = 465\pm 7\text{nm}/525\pm 6\text{nm}/643\pm 8\text{nm}$

Wavelength  $465\pm 7\text{nm}/525\pm 6\text{nm}/643\pm 8\text{nm}$

### **CAUTION:**

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

- If this device requires a repair, please wear laser eye protection with an optical density OD that is 4 or higher and has a wave length of 458-651 nm.
- Do not place any water-containing vessel on this device, such as cosmetics or liquid medicine.
- If any object or water enters this device, please unplug this device and contact the service staff of Hisense.
- Do not place any exposed fire source (e.g. burning candle) on this device. Keep away from high temperature and heat.

- Do not expose the battery to direct sunlight or candle light.
- Keep air vents on both sides clear from any objects to prevent the device from overheating inside.
- To avoid a short circuit, product damage, do not use any sharp object or metal to touch the ports or other openings on the Laser Mini Projector.
- If this device has been in a warm environment, allow any built-up condensation to evaporate first BEFORE you switch the device on.
- Do not allow a child to stand on or climb up this device.
- Do not place any object above or in front of the lens because the laser light could cause the object to become flammable.
- Clean the lens periodically with a clean cloth and make sure the Laser Mini Projector is turned off before you start.

## Accessories List



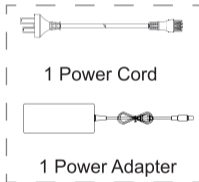
Quick Setup Guide



1 Remote Control



2 AAA Batteries



1 Power Cord

1 Power Adapter

or



1 Power Adapter

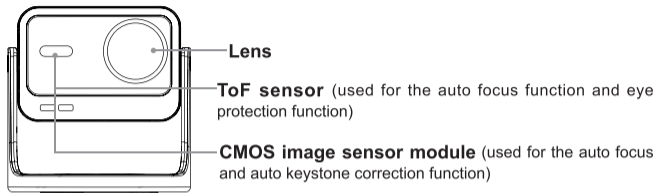


Warranty Card

### NOTE:

- The accessories list above may vary depending on specific model, country or region. Please refer to the actual accessory bag.
- Figures and illustrations are provided for reference only and may differ from actual product appearance.
- Screen is not included.

## Laser Mini Projector Diagram

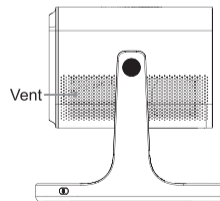
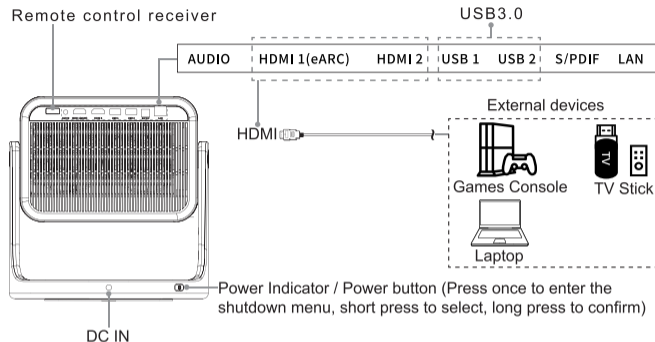
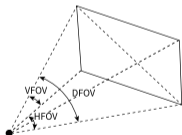


### Detection range :

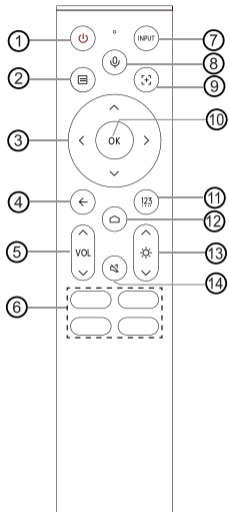
1. CMOS image sensor module: DFOV:  $89.8^{\circ} \pm 3.0^{\circ}$ , HFOV:  $76.9^{\circ} \pm 3.0^{\circ}$ , VFOV:  $61.6^{\circ} \pm 3.0^{\circ}$
2. ToF sensor: 400mm-4000mm, HFOV:  $45^{\circ}$ , VFOV:  $45^{\circ}$

### NOTE:

- The rated detection range of sensors may vary with different testing environments and conditions under different test product.
- Risks are inevitable in the usage of the projector even with eye protection function on. Children must be accompanied by adults when using it.
- Product image is only for reference, actual product may vary in appearance.



## Use Your Remote




- ① Power on/Standby
- ② Press to enter Menu  
Press and hold to pair the Bluetooth remote
- ③ D-pad (up/down/left/right navigation buttons)
- ④ Return to the previous place in the menu or app
- ⑤ Volume (up/down)
- ⑥ Quick access buttons to apps
- ⑦ Change input source
- ⑧ Activate the microphone
- ⑨ Press to enable auto focus  
Press and hold to enable manual focus
- ⑩ Confirmation button
- ⑪ Input numbers and special function buttons
- ⑫ Display the Home screen
- ⑬ Adjust brightness
- ⑭ Press to Mute or restore sound

### NOTE:



- **Backlight function:** The backlight turns on after pressing the remote button, and goes off if no operation for 5 seconds.
- Insert two AAA size batteries. Make sure to match the (+) and (-) ends of the batteries with the (+) and (-) ends indicated in the battery compartment.
- The remote control functions at a distance of up to 8 metres when directed to the remote control receiver of the projector.
- The remote control is a wireless device, so its signals may be interfered and blocked.

# 1 Basic Operation

## Turning the device on or off

1. Plug the power cord into a wall outlet.
2. Press the  button on the remote to turn on the device. When you turn it on for the first time, follow the instructions displayed on the screen and configure the device's basic settings.

### NOTE:

- When the device is started up, you can press the  button on the remote to turn it into standby mode; When the device is in standby mode, you can press the  button on the remote to turn on the device.
- Pull the power cord out of a wall outlet when you do not use the device for a long time.
- Please wait at least 10 seconds to turn on the device again when it is shut down.


## Ceiling installation

The device supports hoisting. The bottom of the gimbal is equipped with a threaded hole. To hoist the device, please use 1/4"-20 screw thread, with an effective thread length of 6.7-9 mm. One screw is needed for fixing the device.

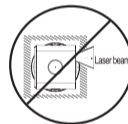
The installation should be performed by qualified professionals. Using defective brackets or bolts, or improper installation, can result in personal injury or property damage. The user shall assume full legal and financial responsibility for any personal injury, property damage, or consequential

losses arising from:

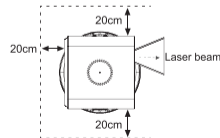
- Use of non-certified installation materials
- Improper installation practices deviating from specifications
- Failure to implement safety measures

 **WARNING:** Poor ventilation will cause the device to overheat or become damaged.

- Do not block the ventilation openings or place any object on the device.
- Do not place the device in any narrow, enclosed or poorly ventilated space.



- To ensure proper ventilation of the device, the minimum space must be maintained as shown in the diagram below.



## 2 Auto Focus

When the auto focus function is enabled, the device can automatically adjust the focus to make your projector picture clear.

- Enable auto focus function by pressing **[F]** button on the remote.
- You can enable manual focus function by pressing and holding **[F]** button, and manually adjust the focus by pressing the D-pad on the remote.

## 3 Auto Keystone Correction

Press **[M]** button on your remote, select **Settings > Projector > Auto Keystone Correction**.

The device can perform auto keystone correction on the projected screen and automatically changes the screen shape into a rectangle.

## 4 More Settings

Press **[M]** button on your remote, select **Settings** to enter the Settings Menu to set up your device.

### NOTE:

- For detailed instructions, please refer to the E-Manual (**Settings > Support > E-Manual**).
- Parts of the software function changes with the system upgrade.

## 5 Image Size and Projection Distance

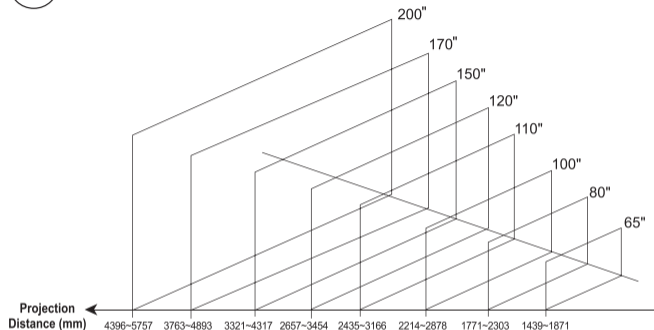


Image Size	200"	170"	150"	120"	110"	100"	80"	65"
Projection Distance								
mm	4396~5757	3763~4893	3321~4317	2657~3454	2435~3166	2214~2878	1771~2303	1439~1871
inch	173~227	148~193	131~170	105~136	96~125	87~113	70~91	57~74

### NOTE:

- When the image size is greater than 150 inches, Auto Keystone Upon Motion may be unavailable, Manual Focus and Manual Keystone Correction are required.
- The projection distances are provided for reference, and the actual distance varies with the selection of optical zoom.

## Maintenance

- Avoid touching the device when it is running or immediately after it is turned off, as it may be hot.
- Do not clean the device with oil-based products as they can deteriorate the exterior or damage the paint. Extended contact with rubber or ethylene products can cause stains on the device.
- If the exterior of the Laser Mini Projector becomes dirty, turn off the device and wipe it with a damp, soft cloth.
- **Lens Care:**
  - Avoid touching the lens with your hands.
  - Do not use ordinary cleaning cloths to wipe the lens.
  - Use a dust blower to remove dust from the lens.
  - For grease, dirt, and fingerprints, have a professional clean the lens using optical cleaning cloths, lens wiping paper, or professional cleaning solutions to avoid damaging the optical coating and affecting image quality.
- Always use the Power button on the remote control to turn off the device. Do not cut off the power directly while the device is operating.

## Troubleshooting

If you are having trouble with your device, first try turning it off and on again. If this does not fix the problem, check the tips in the following.

### **1. It takes a few seconds before the picture is displayed after the device is switched on. Is this normal?**

- Yes, this is normal. The projector is in the process of initialisation and searching for information on previous settings.

### **2. No sound or picture**

- Check if the power cord is plugged into a working mains socket.
- Press the Power button on the remote control to activate the device from 'Standby' mode.
- Check the volume settings or 'Mute' mode is set to On.


### **3. Some irregular shadow appear on the edge of the picture after manual keystone correction**

- Hisense projectors use digital correction, so the true resolution fills on the actual display area and leaves some surrounding area unused after manual keystone correction is completed.

#### 4. When projector is moved, auto keystone correction function does not work properly

- Make sure that the auto keystone upon motion function is turned on in projector settings.
- Make sure that no obstacle is in front of the projection lens or camera module.

#### 5. Remote control does not work properly

- Check if the battery power is normal.
- Take out the batteries, press any key for 1~2 seconds, and insert them back.
- In special cases, press and hold [  ] button to pair.

If you still have other questions, please visit the following website and find local CUSTOMER CENTER Service Hot-line for help.

<https://global.hisense.com/support/customer-center/>

## Product Specifications

Model Name	Laser Mini Projector
Dimension (L × D × H)	9.7 × 9.7 × 9.9 inches (246 × 246 × 252 mm)
Weight	13.7 lbs (6.2 kg)
Active Screen Size (Diagonal)	65 ~ 200 inches
Screen resolution	3840 × 2160
Audio power	2 × 10 W
Power consumption	180 W
Power supply	100-240V~ 50/60Hz, 2.5A
Power input	36V = 5A
Environmental conditions	Temperature: 41°F - 95°F (5°C - 35°C) Humidity: 20% - 80% RH Atmospheric pressure: 86 kPa - 106 kPa



HDMI Input	RGB / 60 Hz (640×480, 800×600, 1024×768) YUV / 60 Hz (480i, 480p, 720p, 1080i, 1080p) YUV / 50Hz (576i, 720p, 1080i, 1080p) 3840×2160 / 24Hz, 3840×2160 / 25Hz, 3840×2160 / 30Hz 3840×2160 / 50Hz, 3840×2160 / 60Hz
Network Standby Power Consumption	≤ 2.0 W
Power Consumption in Standby Mode	≤ 0.5 W

**Disclaimer:**

All products, product specifications, and data are subject to change without notice to improve reliability, function, design or otherwise.

**Recycling / Licenses**



This symbol on the product or on its packaging indicates that this product must not be disposed of with your household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and

the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



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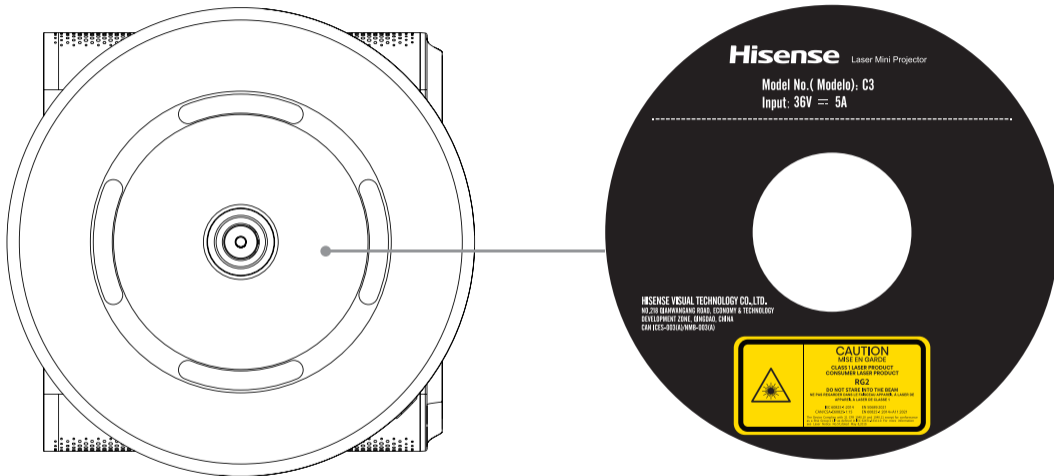
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## Bottom View



### NOTE:

This page is used to show the position of the nameplate, and the content is for reference only.