

**Hisense**

**LASER TV 4K**



# USER MANUAL

Read the manual carefully and ensure you have fully understood its contents before operating this device for the first time.

***English***

In order to promote environmental protection and assume social responsibility, we strongly recommend you to acquire the electronic user manual of multi-language through the QR code below.



Zeskanuj kod QR dla elektronicznych instrukcji obsługi w innych językach.

Nuskaitykite QR kodą norėdami rasti elektroninį vartotojų vadovą kitomis kalbomis

Skenējiet QR kodu , lai iegūtu elektroniskās lietotāja rokasgrāmatas citās valodās.

Skaneerige QR-koodi elektrooniliste kasutusjuhendite jaoks teistes keeltes.

Naskenujte QR kód pro elektronické uživatelské příručky v jiných jazycích.

Prehľadajte kód QR pre elektronické príručky používateľov v iných jazykoch

Scan de QR-code voor elektronische gebruiksaanwijzingen in andere talen.

Poskenirajte QR kodo za navodila za uporabo v ostalih jeziki.

Olvassa be a QR-kódot a többi idegen nyelvű elektronikus felhasználói kézikönyvekért.

Skenirajte QR kod za elektronske korisničke priručnike na drugim jezicima.

Сканирайте QR кода за електронни ръководства за потребителя на други езици.

Σαρώστε τον κωδικό QR για ηλεκτρονικά εγχειρίδια χρήσης σε άλλες γλώσσες.

## Important Notice

Paragraphs beginning with the symbol  indicate important instructions, tips or conditions for the following settings.



For your own safety and the optimal performance of your device, ensure to read the safety instructions before performing any installation.

Compatibility with 3rd party products, software and services are not guaranteed. We cannot be held liable for any damage or loss suffered whilst operating, using or connecting to incompatible devices or apps.

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Read these instructions  
Follow all instructions  
Heed all warnings  
Keep these instructions  
All rights reserved.

Authorized EU Representative

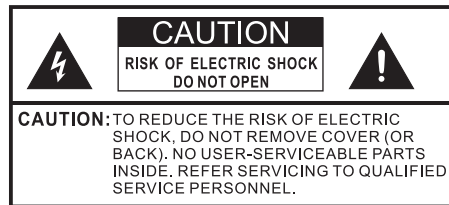
Name: Gorenje gospodinski aparati, d.o.o.

Address: Partizanska cesta 12, 3320 Velenje, Slovenija

Email: [info@gorenje.com](mailto:info@gorenje.com)

## Safety Instructions

To ensure safe and correct use of this product, always comply with the following precautions to avoid dangerous situations and damage to your device:



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



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



Class I product: This symbol indicates that it requires a safety connection of protective earthing (ground).

## 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.



High humidity and dust concentration may lead to current leaks in the device. To reduce the risk of fire or electric shock:

- 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.

The device 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 device.
- ALWAYS use furniture that can safely support the device.

- ALWAYS ensure the device is not overhanging the edge of the supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the device or its controls.
- ALWAYS route cords and cables connected to your device so they cannot be tripped over, pulled or grabbed.
- NEVER place the device in an unstable location.
- NEVER place the device on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and device to a suitable support.
- NEVER place the device on cloth or other materials that may be located between the device and supporting furniture.
- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the device or furniture on which the device is placed.

If your existing device 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.

**The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.**

## ■ 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.
- MAIN plug on the power cord is used as the disconnect device, the disconnect device and socket-outlet shall be easily accessible.

## ■ Air ventilation and high temperatures

Install your device only where there is proper ventilation, and ensure that there is at least 30 cm free space on the sides and 10 cm free space on the back unit 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 noise may lead to irreparable damage to your ears. Extreme volumes should be avoided, especially during long-term exposure 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 and all connected antenna cables from the device during a thunderstorm. Overvoltage caused by lightning strikes can damage the device via the antenna system, as well as 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 and all connected antenna cables 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

For replaceable battery:

- 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.

For built-in battery:

- Do not disassemble the product or attempt to remove the battery by yourself.

- Do not dispose it into fire.
- Do not crush or puncture the battery.
- Prevent it from falling down.
- Use the correct charging device.
- Be sure to dispose of battery correctly.
- Do not expose battery to excessive heat such as sunshine, fire or the like.

## ■ Outdoor Antenna Grounding

If an outdoor antenna used, be sure the antenna system is protected against voltage surges and built-up static charges.

## ■ Disposal

Refer to the recycling section of this manual.

## ■ 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

As with any bright light source, DO NOT STARE INTO THE BEAM IEC 62471-5: 2015

CLASS 1 LASER PRODUCT

$\lambda = 459\text{-}471\text{nm}/519\text{-}531\text{nm}/635\text{-}651\text{nm}$

Wavelength 459-471nm/519-531nm/635-651nm

CLASS 1 LASER PRODUCT IEC 60825-1: 2014

## 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 459-651nm.
- 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 or electric shock, do not use any sharp object or metal to touch the ports or other openings on the device.
- 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 device is turned off before you start.

Congratulations on the purchase of your new Laser TV! This Manual will walk you through a few easy steps to set up your Laser TV.

Please visit Hisense official website for more details.

Figures and illustrations are provided for reference only and may differ from actual product appearance.

Parts of the software function changes with the system upgrade.

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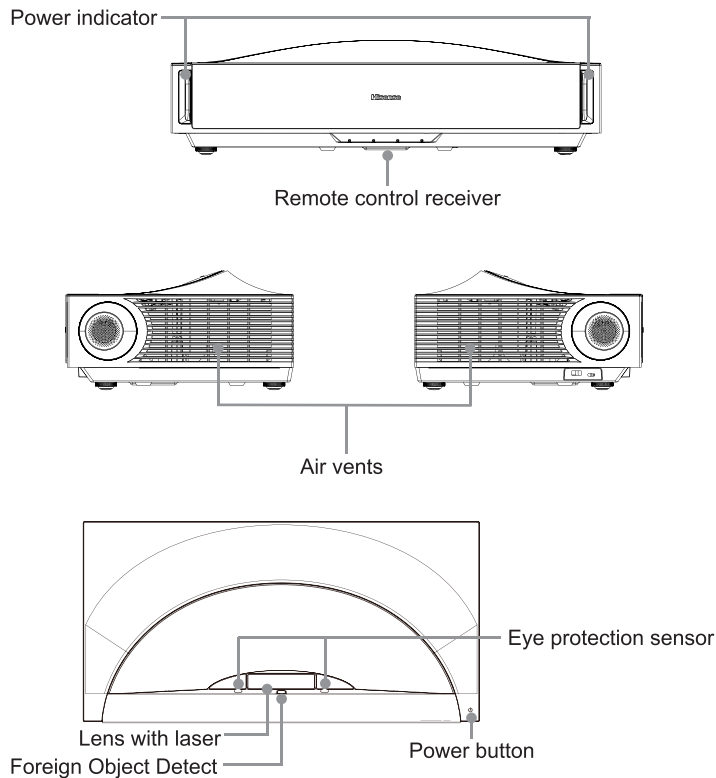
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## Accessories List

- Laser TV × 1
- Remote control × 1
- AA or AAA batteries × 2 (For Solar Powered Remote, the battery is built in.)
- Gloves for handling the Laser TV × 2
- Power cord × 1
- Laser TV User Manual × 1
- Laser TV European Guarantee × 1
- Cleaning kit for the lens × 1
- C-shape blocks × 2
- C-shaped Block Installing Instruction × 1

NOTE: The accessories list above may vary depending on specific model, country or region. Please refer to the actual accessory bag.

## Laser TV Diagram



## STEP 1 Mount the Screen

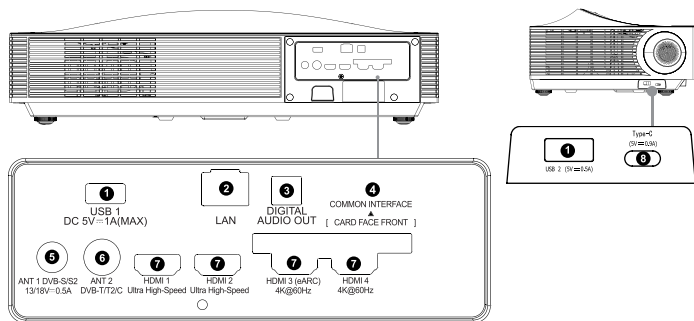
If you have purchased a screen, then refer to the specific screen installation guide.

## STEP 2 Install the Laser TV

Be sure to protect the lens when you handle this device.

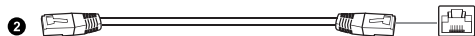
We recommend to connect all cables to the ports on the back of the Laser TV before positioning the Laser TV. (Audio, video, Ethernet cables and external devices are not included in the accessory bag.)

Check to ensure that you have selected the right cables for the ports and that they are connected securely. Loose connections may affect the quality of the picture image and colour.

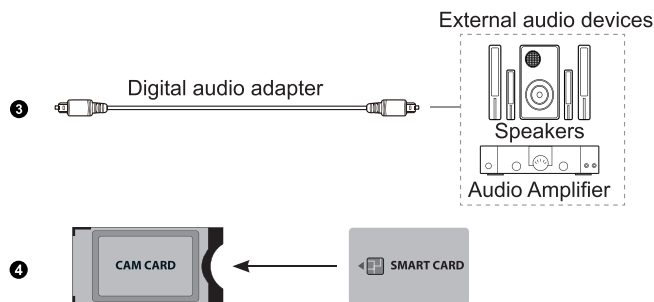


#### NOTE:

- When connecting a hard disk or a USB hub, always connect the mains adapter of the connected device to the power supply. Exceeding a total current consumption may result in damage. The maximum current consumption of the USB 2.0 device is 500mA and the maximum current consumption of the USB 3.0 device is 1A.
- For non-standard and large-capacity individual mobile hard disks, if the pulse current is larger than or equal to 1A, it may cause the device to restart or self-lock. The Laser TV is therefore not compatible with this type of drive.
- The voltage output of the USB is 5V.

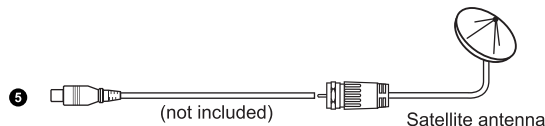


Ethernet (a router for Internet connection is needed)



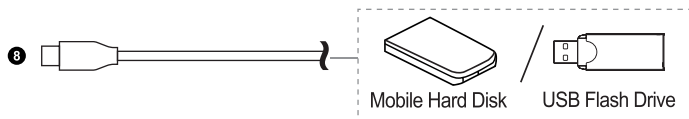
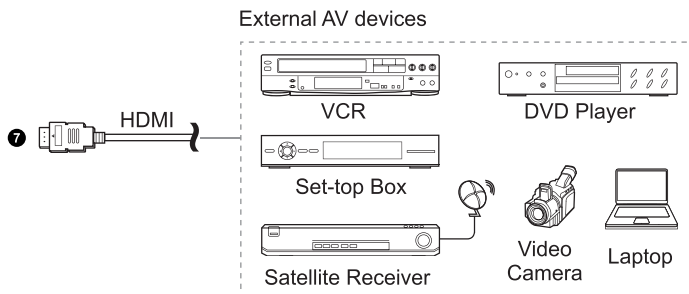
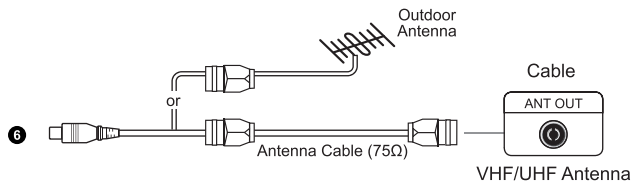
#### NOTE:

- Before you insert/remove the CI+ module, ensure that the Laser TV is switched off. Then insert the CI card into the CI+ module in accordance with the service provider's instructions.
- Do not repeatedly insert or remove the Common Access Module as this may damage the interface and cause a malfunction.
- You must obtain a CI+ module and card from the service provider of the channels you want to watch.
- Insert the CI+ module with the SmartCard in the direction marked on the module and SmartCard.
- CI+ is not supported in some countries and regions; check with your authorised dealer.



#### NOTE:

- ANT1 Jack can provide power for satellite antenna (13/18V, 0.5A max.)

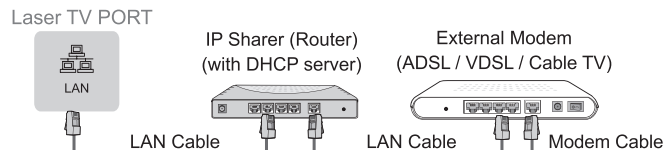


#### NOTE:

- The Type-C port can connect to a Type-C USB drive or connect to a USB 3.0 drive via a Type-C dock, but does not support DP (DisplayPort) display.

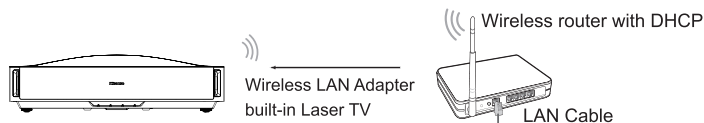
#### LAN (Wired setup)

- To connect your Laser TV to the network, connect the LAN port on the back of your Laser TV to an external modem or router using a LAN (Ethernet/Cat 5) cable. See the illustration below.



#### Wireless setup

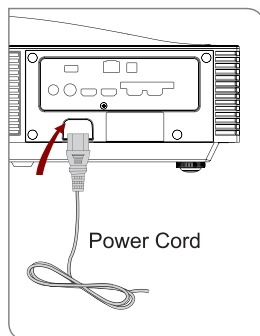
- To connect your Laser TV to your network wirelessly, you need a wireless router or modem. See the illustration below.



#### NOTE:

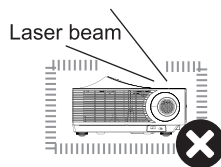
- You must use the built-in Wireless LAN Adapter to use a wireless network because the set doesn't support external USB network adapters.
- If the wireless router supports DHCP, your Laser TV can connect more easily to the wireless network.
- If you apply a security system other than the systems listed below, it will not work with the Laser TV.  
Security system: WPA, WEP, WPA2, WPA3.
- In order to guarantee smooth network, the distance between router and Laser TV should be less than 10 metres.

Plug the power cord into a power socket.  
Press the POWER button to switch on the device.



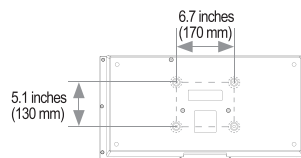
**! WARNING:** Poor ventilation will cause the device to overheat or become damaged.

- 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.



## Ceiling installation

The device can be installed on the ceiling through the four threaded holes on the bottom of the device.  
Please use a certified ceiling mount for the installation and ensure that four certified bolts of 6M×10mm are used to secure the device to the mount.  
Select a suitable ceiling mount based on the weight of the device and the pattern of the mounting holes on the bottom of the device, as shown below.



Only qualified professionals should perform the installation.  
Using defective mounts 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

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

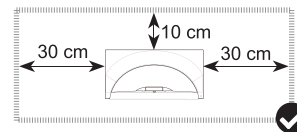
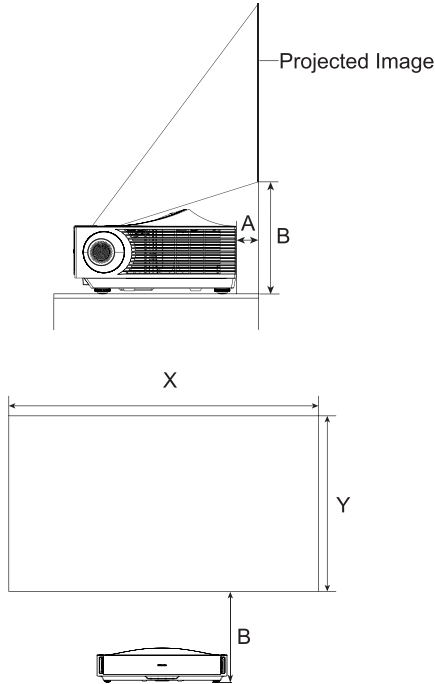


Image size and projection distance

**NOTE:** The sizes of the projected image for each projection distance may differ depending on the actual installation environment.

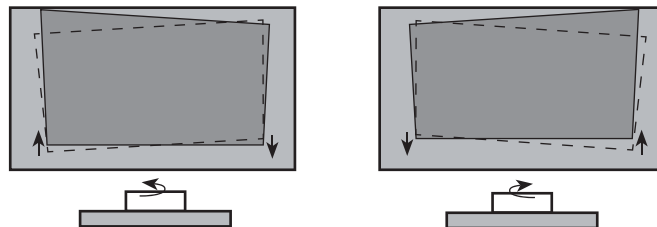


| Projected Image Size (inch) | X(mm) | Y(mm) | A(mm) | B(mm) |
|-----------------------------|-------|-------|-------|-------|
| 80                          | 1770  | 996   | 57    | 298   |
| 100                         | 2215  | 1245  | 137   | 354   |
| 110                         | 2436  | 1369  | 176   | 382   |
| 120                         | 2657  | 1494  | 216   | 410   |
| 139                         | 3076  | 1730  | 292   | 463   |
| 150                         | 3320  | 1867  | 336   | 494   |
| 200                         | 4427  | 2492  | 535   | 634   |

### STEP 3 Align the Projected Image

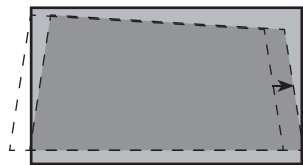
- Follow the steps below, only if they apply to your situation.
- Adjust the height of the screen until the projected image is parallel with the screen.
- Rotate the feet with an overlooking view, and do not look directly at the lens when the console is on because the laser light may damage your eyes.

#### PARALLEL THE BOTTOM OF THE IMAGE WITH THE SCREEN

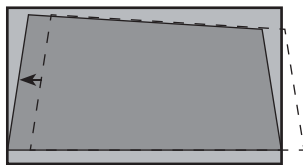


If the bottom of the image is lower on the left (right) and higher on the right (left), rotate the console counterclockwise (clockwise) until the bottom of the image is parallel with the screen.

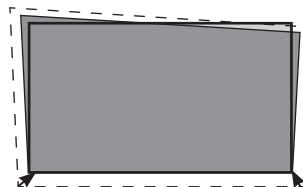
#### FIT THE BOTTOM OF THE IMAGE TO THE SCREEN



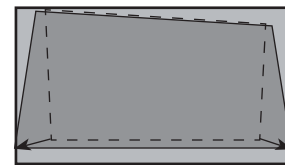
Move the console to the right



Move the console to the left



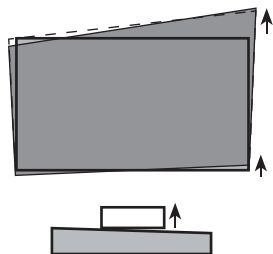
Move the console closer to the screen



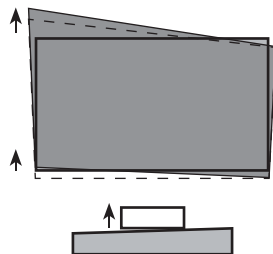
Move the console farther from the screen

## ADJUST THE UPPER-RIGHT/UPPER-LEFT OF THE IMAGE

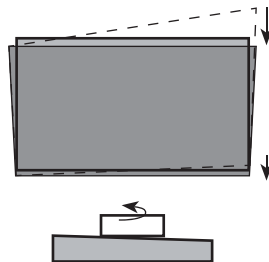
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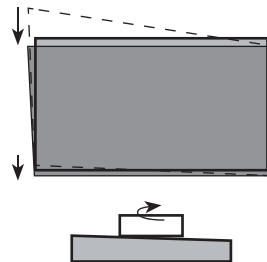
Rotate the front-right foot clockwise



Rotate the front-left foot clockwise



Rotate the console counterclockwise until the bottom of the image is parallel to the screen



Rotate the console clockwise until the bottom of the image is parallel to the screen

## FILL THE TOP OF THE IMAGE TO THE SCREEN

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Rotate the front-left and front-right feet clockwise

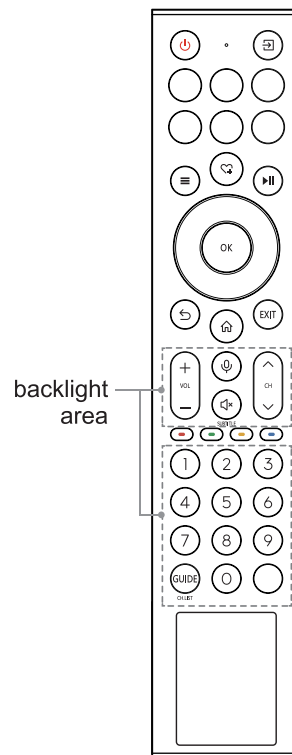
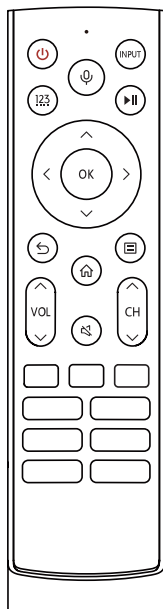


Rotate the back-left and back-right feet clockwise



Rotate the front feet counterclockwise if the back feet are already at their maximum height

## STEP 4 Use Your Remote



**NOTE:** The included remote control will vary depending on model, country/region. Check information according to the actual remote control in the accessory bag.

## BUTTONS ON YOUR LASER TV REMOTE

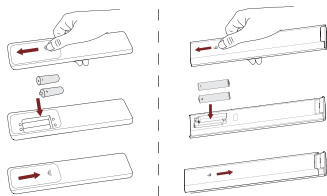
| BUTTON                                                                                                                                                                | DESCRIPTION                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                      | Power on/Standby                                                                                                                                                                            |
| INPUT /                                                                              | Input source selection                                                                                                                                                                      |
| Number buttons                                                                                                                                                        | Select a channel or input numbers                                                                                                                                                           |
| Four colour buttons                                                                                                                                                   | Special function buttons                                                                                                                                                                    |
| GUIDE                                                                                                                                                                 | Display the Electronic Program Guide (DTV mode); for models with  button, long press to be used as CH.LIST |
| CH.LIST                                                                                                                                                               | Display the Channel List                                                                                                                                                                    |
|                                                                                      | Playpad keys                                                                                                                                                                                |
|  /  | Press to enter Menu                                                                                                                                                                         |
|                                                                                      | D-pad (up/down/left/right navigation buttons)                                                                                                                                               |
| OK                                                                                                                                                                    | Confirm selection                                                                                                                                                                           |
|                                                                                      | Under the Menu or App, return to the previous place                                                                                                                                         |
|                                                                                      | Display the Home screen                                                                                                                                                                     |
| VOL                                                                                                                                                                   | Volume (up/down)                                                                                                                                                                            |
| CH                                                                                                                                                                    | Channel (up/down)                                                                                                                                                                           |

|                                                                                   |                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Mute and restore sound; for models with  button, long press to be used as SUBTITLE              |
| EXIT                                                                              | Exit the menu or exit the application                                                                                                                                              |
|  | Activate the microphone                                                                                                                                                            |
| INFO                                                                              | Display the current program information; for models with  button, long press to be used as TEXT |
| SUBTITLE                                                                          | Activate or deactivate the subtitle mode                                                                                                                                           |
| MEDIA                                                                             | Enter the MEDIA                                                                                                                                                                    |
|  | Fast access to app store                                                                                                                                                           |
| APP                                                                               | Quick access to APPs                                                                                                                                                               |
| TEXT                                                                              | Turn on/off the teletext function; for models with  button, long press to be used as INFO       |
| BROWSER                                                                           | Enter into BROWSER                                                                                                                                                                 |
|  | Custom button, provides quick access to its user-defined function                                                                                                                  |
|  | Enter Channels / input numbers and special function buttons(Red/Green/Yellow/Blue)                                                                                                 |

### NOTE:

- Buttons listed here are for reference only. Actual remote control may vary depending on model, country/region.

## INSTALLING BATTERIES IN THE REMOTE CONTROL (EXCLUDE SOLAR POWERED REMOTE)



1. Slide the back cover to open the battery compartment of the remote control.
2. Insert two AA or AAA size batteries. Make sure to match the (+) and ( - ) ends of the batteries with the (+) and ( - ) ends indicated in the battery compartment.
3. Close the battery compartment with the cover.

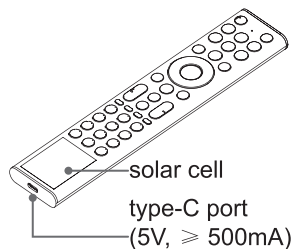
## IMPORTANT INFORMATION ABOUT THE REMOTE AND BATTERIES

- Discard batteries in a designated disposal area. Do not throw them into a fire.
- Remove old batteries immediately to prevent them from leaking into the battery compartment.
- If you do not intend to use the remote control for a long time, then remove the batteries.
- Battery chemicals can cause a rash. If the batteries leak,

clean the battery compartment with a cloth. If chemicals touch your skin then wash it immediately.

- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (NiCd, NiMH, etc.) batteries.
- Do not continue using the remote if it gets warm or hot.
- Call our Support Center immediately on the support website.

## CHARGING THE REMOTE CONTROL (FOR SOLAR POWERED REMOTE)



You can charge the remote by exposing the solar cell to light or using a USB type-C cable(not provided).

When charged by type-C port, the red indicator will blink. When fully charged, the indicator will stop blinking first and then turn off.

### NOTE:

- Figures and illustrations are provided for reference only and may differ from actual product appearance.
- The battery is not user-replaceable. Do not try to remove or change the internal battery yourself, as it may cause damage to the battery/device, personal injury, fire or explosion.

- When you do not use the remote control, place it face up to make the solar cell expose to light.
- Exposing the battery to environments with extremely high temperatures can result in explosion or the leakage of flammable liquid or gas.
- Battery chemicals can cause skin irritation. If chemicals come into contact with your skin, wash immediately.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Always handle the remote control with care to prevent it from falling down.
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

## REMOTE CONTROL RANGE INFORMATION

- The remote control can work up to 8 metres in front of the Laser TV. (This distance is used for an unpaired infrared device.)
- Remote control angle: with the remote sensor as the highest point and 6 metres away, the horizontal control angle is within  $\pm 30^\circ$ , while the vertical angle is within  $\pm 15^\circ$ . (This distance is used for an unpaired infrared device.)

## PAIRING THE REMOTE CONTROL (ONLY FOR BLUETOOTH REMOTE CONTROL)

Pair the remote to the Laser TV after the device is switched on. Keep the remote control within 3 metres from the Laser TV and press any button (except power and mic button) to pair.

### NOTE:

- In special cases, press and hold [  /  ] button to pair.
- If an unknown error occurs with the remote control, it would be caused by interference. Try to eliminate the cause of the interference and pair it again.
- If an unknown error occurs with the remote control while the battery power is normal, you can take out the batteries, press any key for 1~2 seconds, and insert them back. Then the remote control will work normally. (only for battery-replaceable remote)
- If an unknown error occurs with the remote control, please recharge and activate the remote control. (only for solar powered remote)
- The remote cannot be paired to the Laser TV while the Laser TV is in standby mode.

## STEP 5 Proceed with the Screen Setup Menu

### PROJECTION MODE

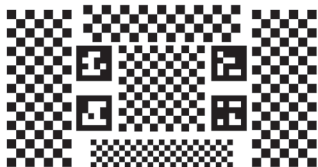
If you need to flip the image over top-to-bottom and/or left-to-right, select the Projection Mode.

### AUTO GEOMETRIC CORRECTION

1. Adjust the Laser TV position by using the levelling feet as needed, and ensure the frame of the screen is located inside the rectangular border.



2. Click Next to continue.
3. An auto-correction pattern will be displayed below, and the correction process will complete automatically.



4. If the auto-correction results are unsatisfactory, use manual correction for fine-tuning.

### NOTE:

- Obstacles between the console and the screen, foreign objects on the screen surface, dark-colored walls, and strong ambient lighting may interfere with the automatic screen alignment. Ensure all obstacles and foreign objects are removed, use a lighter-colored wall, and minimize ambient light before initiating automatic screen alignment.
- This function is available only for screen of 100" and 120".
- Since screen type significantly impacts the performance of auto screen correction, we strongly recommend using the Hisense Ambient-Resisting Screen for optimal results.
- Manual correction may be required for fine-tuning if auto correction is unsatisfactory.

### MANUAL GEOMETRIC CORRECTION

Select points and move it to fit the projected image into the screen.

1. Press  $\wedge / \vee / < / >$  buttons on your remote control to move focus, and press **OK** button to choose a point you need to adjust.
2. Long press  $\wedge / \vee / < / >$  buttons: quick adjustment of the projected image;  
Short press  $\wedge / \vee / < / >$  buttons: precise adjustment of the projected image.
3. Press  $\curvearrowright$  button to save your adjustment, and you can select other points to adjust the image.

If you want to return the image position to the factory default, select Reset on the screen.

## EYE PROTECTION

In order to protect your eyes, turn the **Eye Protection** on, and do not look into the lens. If you get too close to the Laser TV, the light output will be temporarily disabled after 5 seconds.

## FOCUS ADJUSTMENT

You can adjust the focus parameters by pressing the up and down buttons on the remote. The focus effect is adjusted in real time according to the displayed background image card.

## 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 TV 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.

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

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

### **No sound or no picture**

1. Check if the power cord is plugged into a working mains socket.
2. Press the  Power button on the remote control to activate the device from 'Standby' mode.
3. Check if the power indicator is lit or not. If it is, then the Laser TV is powered.

**No picture and/or sound after connection to an external source**

1. Check if the output connection of the external source and the input connection of the Laser TV are correct.
2. Make sure you have made the correct selection for the input mode of the incoming signal.

**Picture is normal but there is no sound**

1. Check the volume settings.
2. Check if 'Mute' mode is activated.

**Sound is normal but there is no picture or only a black and white picture**

1. If the picture is black and white, unplug the device from the power socket and re-plug it after 60 seconds.
2. Check if the Colour Saturation is set to 50 or higher.
3. Try different sources.

**Sound and/or Picture are distorted or appear wavy**

1. An electric appliance may be affecting the Laser TV. Turn off any appliances nearby and move it farther away from the Laser TV.
2. Insert the power plug of the Laser TV into another power socket.

**Sound and/or Picture are blurry or cut out**

1. Check the direction, position and connection of the antenna if

an external antenna is used.

2. Adjust the direction of the antenna or reset or fine tune the channel.

**The plastic housing is emitting a clicking sound**

Temperature changes during operation may cause the device to slightly expand or shrink, which may cause a clicking sound. This is normal and the device is in perfect working order.

**The remote control does not work**

1. Ensure that the device is connected to the mains socket and can be operated.

For battery-replaceable remote:

2. Change the batteries in the remote control.
3. Check if the batteries are correctly installed.

For solar powered remote:

4. Please recharge and activate the remote control.

Product Specifications

|                                    |                     |                                                                                                                                                                                                                             |
|------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Name                         |                     | Laser TV                                                                                                                                                                                                                    |
| Dimension (L × D × H)              |                     | 24.6 × 12.5 × 6.5 inches<br>(624 × 317 × 166 mm)                                                                                                                                                                            |
| Weight                             |                     | 28.4 lbs (12.9 kg)                                                                                                                                                                                                          |
| Active Screen Size (Diagonal)      |                     | 80 ~ 200 inches                                                                                                                                                                                                             |
| Screen resolution                  |                     | 3840 × 2160                                                                                                                                                                                                                 |
| Audio power                        |                     | 2 × 15W + 2 × 15W + 2 × 10W + 2 × 8W + 2 × 10W                                                                                                                                                                              |
| Power consumption                  |                     | 350 W                                                                                                                                                                                                                       |
| Power supply                       |                     | 120-240V ~ 50/60Hz                                                                                                                                                                                                          |
| Receiving systems                  | Analog              | PAL-D/K, B/G, I, SECAM-D/K, B/G                                                                                                                                                                                             |
|                                    | Digital             | DVB-T/T2, DVB-C, DVB-S/S2                                                                                                                                                                                                   |
| Wireless LAN Module specifications | Frequency Range     | 2.4-2.4835GHz                                                                                                                                                                                                               |
|                                    |                     | 5.15-5.85GHz                                                                                                                                                                                                                |
|                                    |                     | 5.9-6.425GHz                                                                                                                                                                                                                |
|                                    | Output Power (Max.) | 2.4-2.4835GHz 17dBm<br>5.15-5.25GHz 14dBm<br>5.25-5.35GHz(DFS Band) 14dBm<br>5.49-5.71GHz(DFS/TPC Band) 14dBm<br>5.725-5.85GHz(for Non EU) 14dBm<br>5.9-6.425GHz 14dBm                                                      |
| Bluetooth Module specifications    | Frequency Range     | 2.4-2.4835GHz                                                                                                                                                                                                               |
|                                    | Output Power (Max.) | 2.4-2.4835GHz, Class1, 6dBm                                                                                                                                                                                                 |
| Environmental conditions           |                     | Temperature: 41°F - 104°F (5°C - 40°C)<br>Humidity: 20% - 80% RH<br>Atmospheric pressure: 86 kPa - 106 kPa                                                                                                                  |
| HDMI Input                         |                     | RGB / 60Hz (640×480, 800×600, 1024×768)<br>YUV / 60Hz (480i, 480p, 720p, 1080i, 1080p)<br>YUV / 50Hz (576i, 720p, 1080i, 1080p)<br>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                                                                                                                                                                                                                     |
| WIFI                               |                     | IEEE802.11 a/b/g/n/ac/ax                                                                                                                                                                                                    |
| Bluetooth                          |                     | BT5.3                                                                                                                                                                                                                       |

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

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## Recycling / Licenses

### WEEE (Waste Electronic Electric Equipment) European Directive 2012/19/EU



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.

### Batteries



#### Replaceable battery:

In accordance with the Battery Directive, used batteries should not be disposed of in the domestic waste. Dispose your batteries in the collection containers specific for this purpose in retail stores.

#### Built-in battery:

In accordance with the Battery Directive, the battery in this product should not be disposed of in the domestic waste. The built-in battery in this product is not user replaceable, please contact your service provider for more information. Dispose the product to waste disposal service and they will take appropriate measures for the recycling and treatment.

### ROHS (Restriction of Hazardous Substance) European Directive 2011/65/EU



This European directive limits the use of dangerous and hazardous substances which are difficult to recycle.

This allows recycling easily the EEE and contributes to the safeguard of the environment.

Substances included in this product match to the RoHS directive.



Hereby, Hisense Visual Technology Co., Ltd. declares that the radio equipment type is in compliance with Directive 2014/53/EU and Radio Equipment Regulations 2017 of UK. Please enter the model name at the following internet address to read the full text of the declaration of conformity: <https://global.hisense.com/support/certificate-download/>.

Please refer to the rating label for model name and find Bluetooth remote control model name on the remote control or inside the remote control cover.

### EU Conformity Statement



This product and - If applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.



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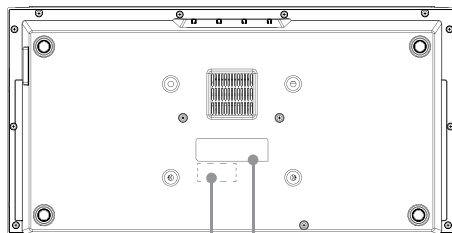


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Bottom View

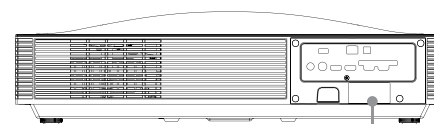


S/N: XXXXXXXXXX



mm dd, yyyy

Back View



**WARNING:** This set must not be opened unless by a qualified technician.  
**WARNUNG:** Dieses Set darf nur von einem qualifizierten Techniker geöffnet werden.  
**VAROVANÍ:** Toto zařízení nesmí být otevřeno, pokud není otevřeno kvalifikovanými technikými.  
**VAROVANIE:** Toto zariadenie neodvírajte, pokiaľ nemáte kvalifikovanú techniku.  
**AVERTIZARE:** Nu deschideți acest echipament decât dacă aveți un tehnician calificat.  
**OPOZORILO:** Tega kompleta ne smete odpirati, odpreti ga samo usposobljen tehnik.  
**UPOZORENJE:** Ovaj se uređaj ne smije otvori ako ga nije otvorio kvalificirani tehničar.  
**ΠΡΟΕΙΔΟΠΟΙΗΣΗ:** Μην ανοίξετε τη συσκευή εκτός αν το ανοίξετε από ειδικευμένο τεχνικό.  
**OSTRZEŻENIE:** Nie otwieraj tego urządzenia bez wykwalifikowanego technika.  
**AVERTISSEMENT:** Cet ensemble ne doit être démonté que par un technicien qualifié.  
**ATTENZIONE:** Non aprire la unità a meno che non sia stato eseguito da un tecnico qualificato.  
**ADVERTENCIA:** Este conjunto no debe abrirse a menos que lo haga un técnico calificado.  
**AVISO:** Este conjunto não pode ser aberto a menos que por um técnico qualificado.  
**ПРЕДУПРЕЖДЕНИЕ:** Това устройство не трябва да се отваря, освен ако не е отворено от квалифициран техник.  
**FOYELÉM:** Csak akkor nyissa ki ezt az eszközt, ha képzett szakemberrel rendelkezik.  
**WAARSCHUWING:** Deze set mag niet worden geopend, alleen door een gekwalificeerde technicus.



**CAUTION**  
 READ INSTRUCTIONS  
 TO AVOID INJURY



**Hisense LASER TV**

## NOTE:

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



1423902 ES-A2515Z3-1