

# USER MANUAL

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

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## Welcome

Thank you for purchasing a Hisense TV.

This device lives up to the highest standards, innovative technology and high user comfort.

### Hi-Smart

Using apps, chatting, surfing and enjoying videos have never been this easy. With this Hisense TV you can do it fast and simple, while lying on your couch.

### Hi-Media

Media player – access your music, pictures and videos from your network or USB storage media and play them directly on your TV.

### PVR/Time-shift

Connect a USB storage media to your TV and use the PVR function to record your favorite shows and movies. With the Timeshift function, you can watch a live broadcast while recording it, enabling you to pause the viewing at any time, skip commercials and replay important scenes.


### Digital Tuner

Everything works with one remote control now. Connect your TV directly to your terrestrial, satellite antenna or cable and enjoy contents in high quality without loss.

## **Important Notice**

### **Important Notice**

This guide only contains detailed information about the menus and the explanation of different settings, how to use the functions of this TV, etc. For detailed instructions on how to install this TV, please refer to the quick setup guide.

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 TV, ensure to read the safety instructions before performing any installation.**

Hisense does not guarantee operation and performance of peripheral devices made by other manufacturers. We disclaim any liability or damage that may arise from operation and/or performance from usage of such other maker's peripheral devices.

The recording and playback of content on this or any other device may require permission from the owner of the copyright or other such rights in that content. It is your responsibility to ensure that your use of this or any other device complies with applicable copyright legislation in your country. Please refer to that legislation for more information on the relevant laws and regulations involved or contact the owner of the rights of the content you wish to record or playback.

The Index/Glossary explains certain terms used in this user manual and in the TV menu.

### **Declaration of Conformity (DoC)**

This TV is CE marked and complies with EU directives. The complete declaration of conformity is included in this manual, and can also be downloaded from the Hisense homepage.

Hisense declares that this TV is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EG. It may be operated in all countries in the EU and also Iceland, Norway and Switzerland. In France and Italy it may only be used indoors.

**Read these instructions**

**Follow all instructions**

**Heed all warnings**

**Keep these instructions**

**Hisense Europe**  
**Europe road 1234,**  
**4321 Europe**  
**[www.hisense.com](http://www.hisense.com)**

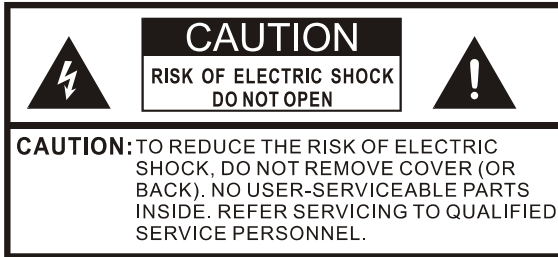
All rights reserved.



## Safety Instructions

### 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 unit:



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.

### The intended use and ambient conditions for this TV

This TV is intended for the rendering of video and audio signals, on a table-top or wall-mounted, 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.



#### WARNING

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

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

If the TV 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 turn off the main power supply switch and remove the power plug.

In case of fire, use preferably a CO2 gas or powder fire extinguisher. If such extinguishers are not accessible, try to isolate the electrical supply before using a water fire extinguisher.

## ■ Moving/Transportation

Before moving this TV, disconnect all cables and move in the vertical position only. Grasp the device on the upper and lower edges of the frame.

- Do not press or put stress on the front panel of the TV. It may take two or more people to carry larger TVs.

If you have to briefly lay down the TV, place the unit with its entire front surface lying flat on soft material.

The LCD screen is made of glass and can break if is not handled properly. Always wear rubber gloves to carry the unit. If the LCD screen is damaged, liquid crystal might leak out. In case of skin contact, immediately rinse thoroughly with water.

## ■ Power Supply

Incorrect voltages can damage the TV. Only connect this unit 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 unit is live, even if the I/O button is switched off, as long as the unit is connected to a power outlet.

It is recommended that this unit 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 TV.

## ■ 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 TV 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 then the one supplied with this unit.

## ■ Set-up

Check that the location is suitable to bear the load of the TV. Place on a level, sturdy and horizontal base. Ensure that the unit does not hang over the edge of the base when placed in or on furniture. If placed on a cart, use caution when moving to avoid the unit from tipping over.

- Place the unit in a normal upright horizontal position. It must never be operated vertically, lying flat or hanging overhead from the ceiling.
- Place the unit where it is not exposed to direct sunlight or other sources of heat

When mounting the TV on a wall, follow the instructions supplied with the wall-mount, make sure not to install the TV by hanging the power and signal cables on the back of the TV.

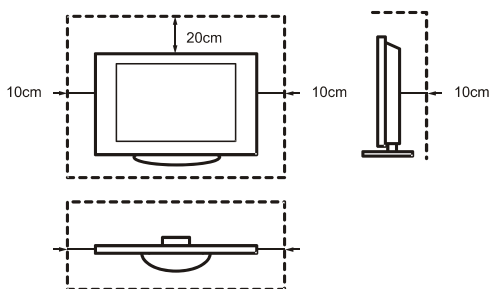
## ■ Air ventilation and high temperatures

Install your TV only where there is proper ventilation, and ensure that there is at least 10 cm free space on the sides and 20 cm above the 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 unit.
- Take care not to touch the ventilation openings since they may become hot.
- Do not insert foreign objects into the TV through the vents.

## ■ The Stand

- Do not use any stand other than the one supplied with this unit.
- Do not modify or use the stand if it becomes warped or physically damaged.
- During setup, make sure that all the screws are securely tightened.
- Ensure that the TV does not suffer any impact during the attachment of the stand.
- Ensure that children do not climb onto the stand.
- Attach or remove the stand with at least two people.
- Install the TV following the specific procedure in the Quick Setup Guide.



Prevent small items from getting into the interior of the device through the ventilation slots. Such objects may cause short circuits, which may cause fire.

If something should get inside the unit, immediately unplug the power plug of the device and contact service support.

## ■ The LCD screen

Despite thorough care when manufacturing this display, it cannot be 100% guaranteed that no sub-pixel defects will occur due to technical reasons. These cannot be considered as a device defect in terms of the guarantee. They will not affect the performance and reliability of the TV.

To prevent “image burn”, avoid displaying still images for long periods of time, there is a possibility that a copy of the image may remain. If the aspect ratio is set to 4:3 for a long period of time, image burn may occur on the black areas. Image burn is not covered by the warranty.

- Do not apply strong force or impact on the display panel.

Avoid touching the LCD screen or touching it for long periods of time. Doing so may produce some temporary distortion effects on the screen.

## ■ Radio waves

- Do not use the TV in any medical institutions or locations with medical equipment. Radio waves may interfere with medical equipment and cause malfunction.
- Do not use the TV near any automatic control equipment such as automatic doors or fire alarms. Radio waves may interfere with automatic control equipment and cause malfunction.

If you have a cardiac pacemaker, keep a distance of at least 22 cm from the TV. Radio waves may interfere with the operation of a pacemaker.

## ■ Built-in wireless LAN

- Do not connect to wireless networks that you do not have the usage rights for. Data transmitted and received over radio waves may be intercepted and monitored.

The built-in wireless LAN uses 2.4 GHz and 5 GHz frequency bands. To avoid malfunctions or slow response caused by radio wave interference, keep the TV away from devices such as other wireless LAN devices, microwaves, mobile phones, and other devices that use 2.4 and 5 GHz signals.

## ■ Supervision

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

## ■ Volume

Loud music and noises can lead to irreversible 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 and all connected antenna cables from the TV during a thunderstorm. Overvoltage caused by lightning strikes can damage the TV 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 TV will consume power even in "OFF"-mode. The power plug and all connected antenna cables should be disconnected out during long periods of absence.

## ■ Cleaning and care

### CAUTION:

#### Unplug the power cord prior to cleaning the TV.

Clean the TV, the screen, and the remote control with a soft, moist, clean and color-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 TV. Liquid inside the TV could lead to product failure.
- The surface of the display panel is treated and may be easily damaged. Take care not to scratch it with fingernails or other hard objects.
- Also wipe the power plug with a dry cloth at regular intervals

## ■ Service/Repair

Never remove the cover/back of the TV; 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 unit, cause electric shock and fires.



## ■ 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.
- Do not expose batteries to excessive heat
- Be sure to dispose of batteries correctly

## ■ 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.

## ■ Using the 3D function

Read the following safety instructions before using the 3D function of your TV.

### WARNING

People that have a visual disorder may not be able to perceive 3D effects or may only be able to perceive them to a limited extent.

Only watch 3D images after consulting your doctor if you have a history of oversensitivity to light/flickering images, heart problems, are pregnant and/or any other medical condition such as epilepsy, cardiac disorder, blood pressure disease, etc.

Do not watch 3D content if you feel nauseous, are fatigued from lack of sleep, overwork or intoxication.

3D content is not recommended for those who suffer from stereo blindness or stereo anomaly. Double images or viewing discomfort may be experienced.

If you are cross-eyed, weak sighted or have astigmatism, you may have trouble sensing depth and easily feel fatigue due to double images. It is advised to take more frequent breaks than the average adult.

If you experience any of these symptoms, stop using/watching 3D video immediately and get enough rest until the symptoms subside: headache, eyeball pain, dizziness, nausea, palpitation, blurriness, discomfort, double image, visual inconvenience or fatigue. Consult your doctor if the symptoms persist.

### CAUTION

**Viewing Distance** – Maintain a distance of at least twice the screens diagonal length when watching 3D content. If you feel discomfort in viewing 3D content, move further away from the TV.

Have longer pauses when watching 3D images than regular movies. Failure to do so can result in headaches, fatigue, dizziness, eye strain or discomfort.

Position yourself comfortably in front of the TV and ensure that you are seated firmly. When viewing 3D images your sense of distance may be fooled or go wrong. Be careful not to hit the TV screen or other people unintentionally. Ensure there are no breakable objects around you to avoid any accidental damage or injury.

### Infants/Children

- Children under the age of 5 should not view 3D images, as a guideline.
- Children under the age of 10 may overreact and become overly excited because their vision is in development. All children must be fully supervised by parents or guardians to ensure their safety and health while they are watching 3D images.
- Children perceive more stereoscopic depth compared to adults because the distance between the eyes is shorter.

### Teenagers

- Teenagers under the age of 19 may be stimulated to light coming from 3D images. Advise them not to watch 3D videos for a long time when they are tired.

### Elderly

- The elderly may perceive less of a 3D effect than the youth. Do not sit closer to the TV than the recommended distance.

## ■ Cautions when using 3D glasses

- Only use the 3D glasses for the intended purpose and nothing else. Do not use 3D glasses instead of your normal glasses, sunglasses or protective goggles.
- Do not move around while wearing 3D glasses to avoid falling or accidental injury.
- Be careful of the tips of the frame in relation to your eyes when putting on the 3D glasses.
- Be careful not to trap your fingers in the hinge section of the 3D wear.
- Do not use 3D glasses if they are physically damaged.
- Using modified 3D glasses may cause eye strain or image distortion.
- Do not keep your 3D glasses in extremely high or low temperatures. It will cause deformation.
- The 3D glasses are fragile and are easy to scratch. Use a soft, clean piece of cloth when wiping the lenses. Do not scratch the lenses with sharp objects or clean/wipe them with chemicals.
- Do not drop, exert pressure, or step on the 3D glasses.
- If you suffer from eyesight problems (short-/ farsighted, astigmatism, eyesight difference between left and right), ensure that you correct your vision before using the 3D glasses. The 3D glasses can be worn over vision correction glasses.
- Stop using the 3D glasses immediately if you experience any redness, pain or skin irritation around the nose or temples. In rare cases, the materials used in the 3D glasses may cause an allergic reaction.

## ■ Notes

- Use only approved 3D glasses. Otherwise, you may not be able to view 3D images properly.
- It may take some time for you to get used to the 3D glasses, and before you can perceive the 3D effects properly.
- Switch of any artificial light sources between the 3D TV set and the 3D glasses. These could interfere with the infrared reception or the TV picture may flicker as a result.
- To prevent interference with other TVs or wireless devices, the 3D glasses need to be paired with the TV. Press the power key on the 3D glasses to start pairing, when the indicator light flashes, the pairing is complete.
- Certain functions like Zoom are not available when watching 3D images.
- This TV automatically identifies 3D formats when connected to a HDMI v1.4 compatible source. Other sources require manual setup.

# Watching TV

## 1. Watching TV

After installing the TV, you can enjoy watching TV by the following steps.

### ■ Power on


- Switch on the power button of the TV.

Press the power button "" on the remote control.

### ■ Setting the volume

- Sound off : Press the sound off button "".


- Sound on : Press the button again or use the "" button.

- Adjusting the volume : "" Adjust the volume up/down.

### ■ Select channel

-  Go one channel up/down.

-  Select channel using the numerical keys.  
Directly jump to channel [0~9].  
Press the 1-digit/2-digit/3-digit number of the channel you want to watch.

-  Select channel using the channel list.  
Press the button to call the channel list.

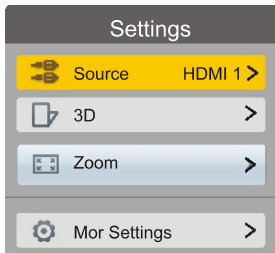


- [▲/▼] Select channel.
- [OK] Watch the selected channel.

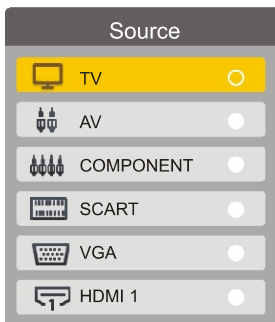
## 2. Select Input Source



To change the input source on your TV, press the button on your remote.



Press [OK] to select source “  Source HDMI 1 > ”.



Press the [▲/▼] to select your desired input and then press [OK] to confirm.

**▲ Note** The SCART function is only applicable to the products which support it.

## 3. 3D Images

( The 3D function is only applicable to the products which support it )

Read the safety instructions regarding 3D images before watching any 3D content. 3D glasses must be worn to view 3D images.

### ● How to view 3D images:

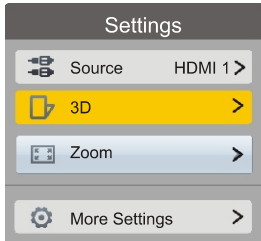
- 3D-compatible Blu-ray disc  
Connect a 3D-compatible Blu-ray player via a High Speed HDMI cable. If the input mode is not switched automatically, use the AV button to select the input that your player is connected to.
- 3D-supported broadcast  
Consult your contents supplier for the availability of this option.
- 3D photos and 3D videos  
2D images converted to 3D

## Basic Settings

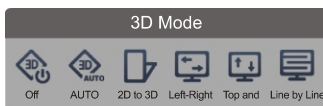
### ● Select 3D Mode



To change the setting for the 3D mode of your TV, press the button on your remote.



Press the [▲/▼] to select 3D “  3D > ” and then press [OK] to confirm.



Select a preset 3D mode.



When viewing 2D video, this option must be selected.



Select 3D mode automatically.



Convert all ordinary 2D video to 3D video. You need to wear your 3D glasses to view this properly.



Display two images next to each other.



Display two images, one on top of the other.



Display the images for the left and right eye alternately.

### **▲ Note**

When the 3D signal is Frame Packing, the image will be displayed according to the resolution of the incoming signal. A 1280 x 720 input will be displayed in 720p; a 1920 x 1080 input will be displayed in 1080p. When the 3D signal format is Side by Side, Top and bottom, the image is displayed full screen in half resolution (960 x 1080 or 1920 x 540).

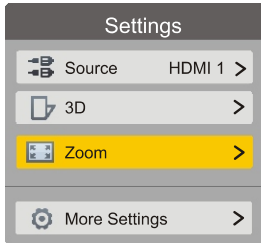
## 4. Aspect ratio

There are two input signals, one is 4:3 and the other is 16:9. The recommended format for 4:3 is 4:3 or Auto, and for 16:9 it is 16:9 or Auto.

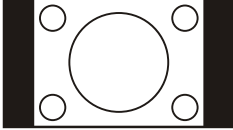
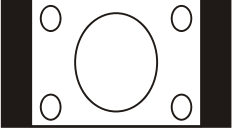
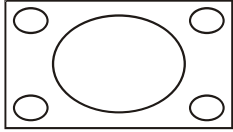
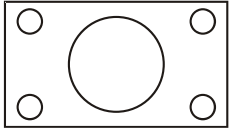
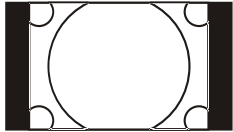
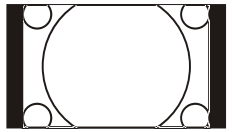
You can set various display modes which are shown as follows.

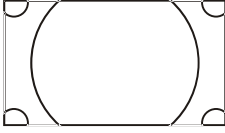
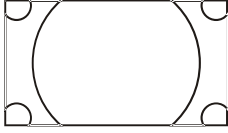
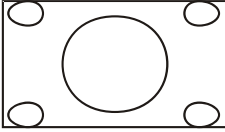
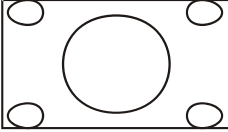
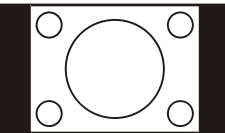
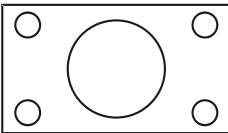


To switch between 4:3/16:9/Zoom 1/Zoom 2/Smart Zoom/ Auto/1:1, press the button on your remote.




Press the [▲/▼] to select Zoom “  ” and then press [OK] to confirm.

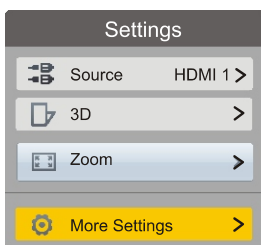
SIZE	Input Signal 4:3	Input Signal 16:9
4:3	<p>This selection will allow you to view a picture with an original 4:3 aspect ratio. Black bars will appear on both the left and right of the screen.</p> 	<p>This selection will allow you to adjust the picture horizontally, in linear proportion. Black bars will appear on both the left and right of the screen.</p> 
16:9	<p>This selection will allow you to adjust the picture horizontally, in linear proportion, to fill the entire screen.</p> 	<p>This selection will allow you to view a picture with an original 16:9 aspect ratio</p> 
Zoom 1	<p>This selection will allow you to zoom in the picture without any alteration. However, the top and bottom of the picture will be cropped. And it allow you to adjust the picture horizontally, in linear proportion. Black bars will appear on both the left and right of the screen.</p> 	<p>This selection will allow you to zoom in the picture without any alteration. However, the top and bottom of the picture will be cropped. And it allow you to adjust the picture horizontally, in linear proportion. Black bars will appear on both the left and right of the screen.</p> 

SIZE	Input Signal 4:3	Input Signal 16:9
<b>Zoom 2</b>	This selection will allow you to zoom in the picture without any alteration, while filling the entire screen. However, the border of the picture will be cropped. 	This selection will allow you to zoom in the picture without any alteration, while filling the entire screen. However, the border of the picture will be cropped. 
<b>Smart Zoom</b>	This selection is similar to 16:9 mode, but the picture slightly stretches horizontally side and clips off a little from the top and bottom. 	This selection is similar to 16:9 mode, but the picture slightly stretches horizontally side and clips off a little from the top and bottom. 
<b>Auto</b>	This selection will display the picture according to the aspect ratio of the input source. 	This selection will display the picture according to the aspect ratio of the input source. 
<b>1:1</b>	This selection will detect the resolution of the signal and display an image with the same number of pixels. The signal is optional in some source. (eg the HDMI source)	

## 5. Menu operation



You can enter the settings menu by pressing the “” button on your remote control.




Press the [▲/▼] to select More Settings “” and then press [OK] to confirm.



The arrow keys in the middle of your remote control help you navigate in the menus and select menu items.

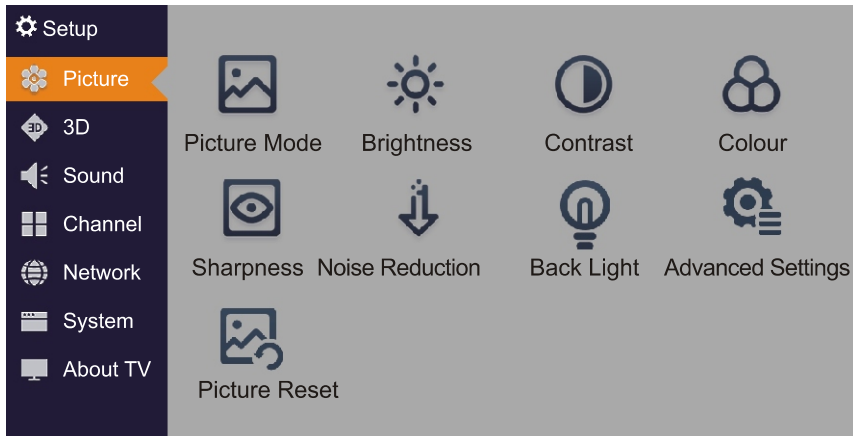
The [OK] button in the middle is used to confirm a selection.

Press the “” button on your remote to return to the previous menu.






## More Settings

### 6. Setting Options: Picture

Here you can adjust the settings related to the picture output on your TV.



#### Explanation of the picture settings:

 Picture Mode	<ul style="list-style-type: none"><li>● <b>Picture mode :</b> Select your preferred picture mode from the following options: Standard, Cinema, Natural, Game, Dynamic, Custom.</li></ul>
 Brightness	<ul style="list-style-type: none"><li>● <b>Brightness :</b> Adjust the overall luminance of the picture. Set the brightness so that the black areas only just appear black.</li></ul>
 Contrast	<ul style="list-style-type: none"><li>● <b>Contrast :</b> Adjust the overall luminance ratio between black and white. The contrast setting depends on the brightness of the room. The brighter the surroundings the higher the contrast should be set.</li></ul>
 Colour	<ul style="list-style-type: none"><li>● <b>Colour :</b> Adjust the colour saturation within the picture. Set the intensity to suit your personal taste.</li></ul>
 Sharpness	<ul style="list-style-type: none"><li>● <b>Sharpness :</b> Adjust to achieve the optimum sharpness of edges and details within the picture</li></ul>





Noise Reduction

● **Noise Reduction :**

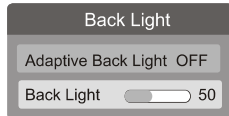
Reduce or eliminate the picture noise from connected devices. Select between the following: off, low, medium, high and auto.



Back Light

● **Back Light :**

Adjust the backlight to suit lighting conditions of the environment. Not available in 3D mode.



• **Adaptive Back light:**

Adjust the backlight mode by selecting manual or adaptive backlight mode.

• **Back Light:**

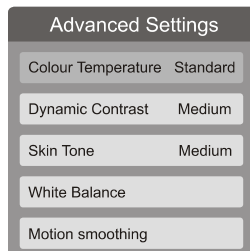
Only available when the Backlight Mode is set to manual. Adjust the backlight level bar to select the optimum level of illumination



Advanced Settings

● **Advanced Settings :**

Specialized picture settings.



• **Colour Temperature:**

Adjust the colours independently to achieve the desired warm or cool feeling.

Select one of the following options: Standard, Warm, Cool and Custom.

• **Dynamic Contrast:**

Adjust the colour contrast to achieve the optimal contrast setting.

Select one of the following options: Off, Low, Medium, and High.

• **Skin Tone:**

Adjust the amount of red in skin-colour tones.

Select one of the following options: Off, Low, Medium, and High.

• **White Balance:**

Adjust the white balance by individually adjusting the brightness of the R Gain, G Gain and B Gain levels

• **Motion smoothing:**

Eliminate motion blur with clear detail and smooth motion.

(Depends on your TV size and series)



Picture Reset

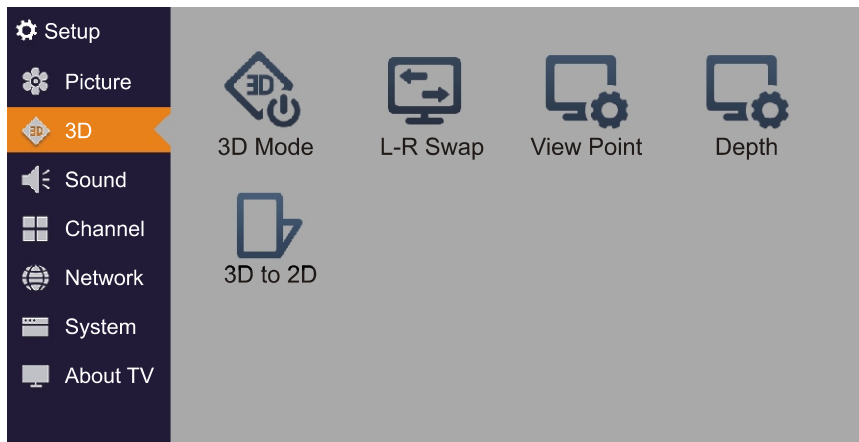
● **Picture Reset :**

Reset all picture setting to factory defaults






## 7. Setting Options: 3D

Here you can change the setting for the 3D mode of your TV.

( The 3D function is only applicable to the products which support it )

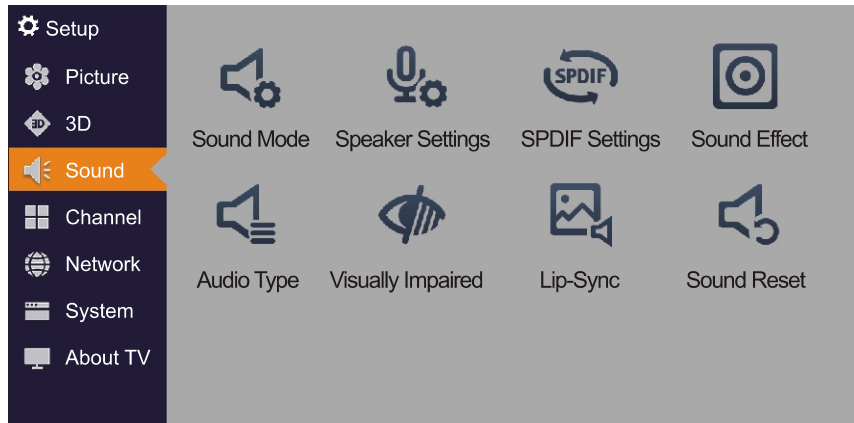


### Explanation of the 3D settings:



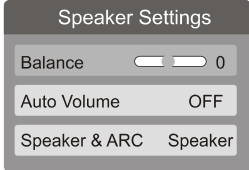
 3D Mode	<ul style="list-style-type: none"> <li>● <b>3D mode :</b> When viewing 2D video, this option must be selected.</li> </ul>
 L-R Swap	<ul style="list-style-type: none"> <li>● <b>L-R Swap :</b> Since there is no standard signal formatting. Mismatch, incorrect stereoscopic impressions and dizziness may occur when watching some 3D videos. This can be solved by switching on this function. For modulation, see the related content in this manual. Not available when 3D mode is 3D to 3D.</li> </ul>
 View Point	<ul style="list-style-type: none"> <li>● <b>View Point :</b> Adjust the “out-of-screen”-effect that the 3D images have. Only available when 3D mode is 2D to 3D.</li> </ul>
 Depth	<ul style="list-style-type: none"> <li>● <b>Depth :</b> Increase or decrease the stereoscopic effect. Not available when 3D mode is off.</li> </ul>
 3D to 2D	<ul style="list-style-type: none"> <li>● <b>3D to 2D :</b> All 3D video will be converted into 2D video. You will not have to wear 3D glasses to view it properly.</li> </ul>
	<ul style="list-style-type: none"> <li>Enables playing of 3D movies and TV shows by using the compatible 3D glasses. Please refer to the 3D section for more information. ( The 3D function is only applicable to the products which support it )</li> </ul>

## 8. Setting Options: Sound

Here you can adjust the settings related to the sound output on your TV. For explanation of the setting in the Audio menu, see page.



### Explanation of the Sound settings:

 Sound Mode	<ul style="list-style-type: none"><li>● <b>Sound mode :</b> Select the Sound Mode based on your personal preference: Standard, Music, Theater, Speech or Custom.</li></ul>
 Speaker Settings	<ul style="list-style-type: none"><li>● <b>Speaker Settings :</b> </li><li>● <b>Balance :</b> Adjust the relative volume between the left and right speakers.</li><li>● <b>Auto Volume :</b> Enable this setting to automatically adjust the volume to reach a consistent level.</li><li>● <b>Speaker &amp; ARC :</b></li><li>● <b>*ARC:</b> Connect to an external digital audio receiver through a HDMI cable and set this to "On" to activate ARC.</li></ul>



### SPDIF Settings

#### ● SPDIF Settings :

SPDIF Settings	
SPDIF Output	PCM
SPDIF Delay	0

#### • SPDIF Output :

Select the digital output format.

#### - PCM:

Outputs two channel audio, regardless of the input format.

#### - RAW:

If the audio stream carries a Dolby signal that will be outputted. If the audio stream carries no Dolby signal, PCM will be outputted.

#### • SPDIF Delay :

Correct audio-video synchronization problems when watching TV, video, and when listening to digital audio using an external device such as an AV receiver.



### Sound Effect

#### ● Sound Effect :

Adjust the sound with a 5-band equalizer.

Press the [▲/▼] to select the different audio frequency bands; 120 Hz, 500 Hz, 5 KHz, and 10 KHz. Press [◀/▶] to adjust each frequency and individually.



### Audio Type

#### ● Audio Type :

Normal/Hearing Impaired/Visually Impaired.

#### • Hearing Impaired:

Increases the overall intensity of high-frequency sounds for a better listening experience. Only available for DTV channels and if the service is broadcasted.

#### • Visually Impaired:

Provides an additional description audio track for visually challenged people. Only available if sent along with the main audio from the broadcaster.



### Visually Impaired

#### ● Visually Impaired :

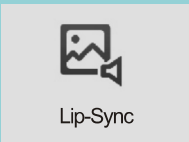

Select "Visually Impaired" in the Audio Type to activate the description sound track if available.

#### • Speaker/Headphone:

Select the device which outputs sound.

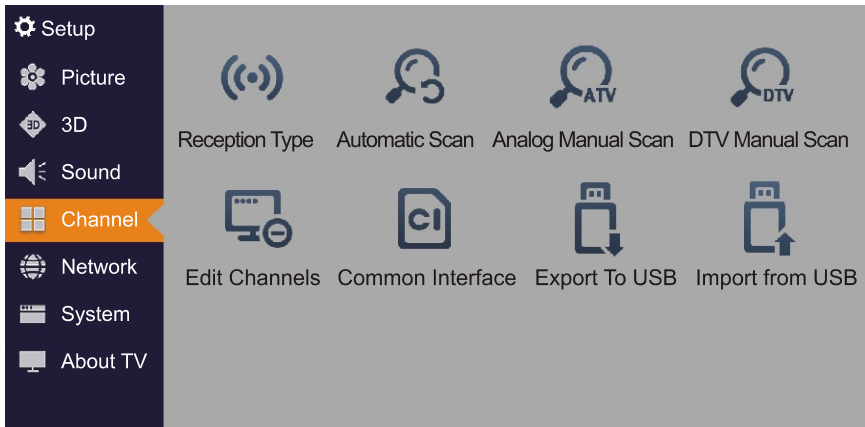
#### • Volume:

Adjust the volume of the description sound track.

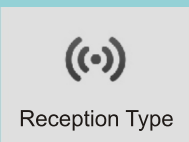
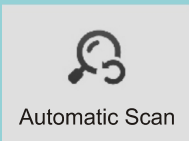
 <p>Lip-Sync</p>	<ul style="list-style-type: none"> <li>● <b>Lip-Sync :</b> Adjust the picture and sound to play at the same time.</li> </ul>
 <p>Sound Reset</p>	<ul style="list-style-type: none"> <li>● <b>Sound Reset :</b> Reset all sound setting to factory default.</li> </ul>

## 9. Setting Options: Channels

Here you can adjust the settings related to selecting reception type, perform channel scans and edit and sort channels, and make favorite lists. For explanation of the setting in the Channels menu, see page.



### Explanation of the channels settings:

 <p>Reception Type</p>	<ul style="list-style-type: none"> <li>● <b>Reception Type :</b> Select a preset reception type: Antenna, Cable or Satellite.</li> </ul> <p><b>! Note</b> The Satellite function is only applicable to the products which support it.</p>
 <p>Automatic Scan</p>	<ul style="list-style-type: none"> <li>● <b>Automatic Scan :</b> Use this to automatically find and store all available channels.</li> </ul> <div data-bbox="425 1558 669 1764" style="border: 1px solid gray; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">Automatic Scan</p> <p>Scan All Channels.</p> <p>Scan Mode    DTV Scan</p> <p style="text-align: center;">Scan</p> </div> <p>Scan mode: select DTV scan, ATV scan or DTV+ATV scan. Press "Scan" to start searching for channels.</p>



#### Analog Manual Scan

### ● Analog Manual Scan :

Allows you to make manual fine tuning of channels in ATV mode.

Analog Manual Scan  
Search for analog channels

Start frequency 42.00

Colour System NTSC

Sound System B/G

Scan Up

Scan Down

#### • Start frequency (MHz) :

Input the frequency using the numeric buttons.

#### • Colour System:

Select the colour system from the following options: Auto, PAL, SECAM, and NTSC.

#### • Sound System:

Select the sound system from the following options: D/K, B/G, I, L, L'

#### • Scan Up:

Scan for analog channels above the start frequency.

#### • Scan Down:

Scan for analog channel below the start frequency.



#### DTV Manual Scan

### ● DTV Manual Scan :

Allows you to make manual fine tuning of channels in DTV mode.

DTV Manual Scan  
Search single RF channel. (Digital Only)

0%

Channel Number 28

Bandwidth 8 MHz

Scan

Signal Level 0%

Signal Quality 0%

#### • Channel Number :

Select the channel number.

#### • Bandwidth :

Display the bandwidth of the selected channel.

#### • Scan :

Select to start manual tuning.



#### • Signal Level :

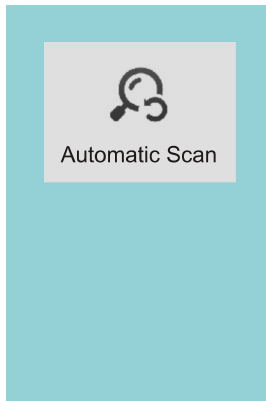
Displays the intensity of the current signal.

#### • Signal Quality :

Displays the quality of the current signal.

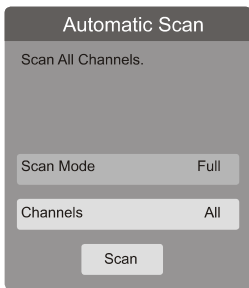
- **When the Reception Type is set to Satellite**  
(NOTE: The Satellite function is only applicable to the products which support it.)

 Reception Type	<ul style="list-style-type: none"> <li>● <b>Reception Type :</b> Select a preset reception type: Satellite.</li> </ul>																									
 Satellite Setup	<ul style="list-style-type: none"> <li>● <b>Antenna type :</b> You can select between Universal or SingleCable.</li> </ul>																									
	<table border="1" data-bbox="421 621 674 1677"> <tr> <td colspan="2" style="text-align: center;"><b>Satellite Selection</b></td> </tr> <tr> <td colspan="2" style="text-align: center;">Satellite Setup</td> </tr> <tr> <td>Satellite status</td> <td>ON</td> </tr> <tr> <td>Satellite name</td> <td>Astra 19.2E</td> </tr> <tr> <td>LNB Power</td> <td>ON</td> </tr> <tr> <td>LNB Frequency</td> <td>Universal</td> </tr> <tr> <td>Diseqc input</td> <td>Diseqc A</td> </tr> <tr> <td>Tone 22KHz</td> <td>Auto</td> </tr> <tr> <td>Tone Burst</td> <td>Tone Burst A</td> </tr> <tr> <td>Transponder</td> <td>12604H22000</td> </tr> <tr> <td>Signal Quality</td> <td><input type="text" value="0%"/></td> </tr> <tr> <td>Signal Level</td> <td><input type="text" value="0%"/></td> </tr> </table>	<b>Satellite Selection</b>		Satellite Setup		Satellite status	ON	Satellite name	Astra 19.2E	LNB Power	ON	LNB Frequency	Universal	Diseqc input	Diseqc A	Tone 22KHz	Auto	Tone Burst	Tone Burst A	Transponder	12604H22000	Signal Quality	<input type="text" value="0%"/>	Signal Level	<input type="text" value="0%"/>	<p>Select the satellites you wish to receive.</p> <hr/> <p>Display the selected satellites, and you can press the [OK] button to enter.</p> <ul style="list-style-type: none"> <li>● <b>Satellite Name</b> Display the name of the selected satellite.</li> <li>● <b>LNB :</b> Frequency Select the LNB frequency type.</li> <li>● <b>DisEqC Input :</b> Select DisEqC mode for the selected LNB.</li> <li>● <b>Tone 22KHz :</b> When the type of LNB frequency you select is "Single vibration" and the DisEqC input you select is "Disable", you can select the Tone 22KHz to off or on. Otherwise the Tone 22KHz item will be set to Auto.</li> <li>● <b>Tone Burst :</b> When the DisEqC input you select is "Disable", you can select the "Tone Burst A" or "Tone Burst B".</li> <li>● <b>LNB Power :</b> Enable or disable the power supply for the LNB.</li> <li>● <b>Transponder :</b> <ul style="list-style-type: none"> <li>- It's the default Transponder for "DTV Manual Scan".</li> <li>- The Transponder can be set for "DTV Manual Scan" also.</li> <li>- Signal quality &amp; Level bellow also shows the default Transponder</li> </ul> </li> </ul>
<b>Satellite Selection</b>																										
Satellite Setup																										
Satellite status	ON																									
Satellite name	Astra 19.2E																									
LNB Power	ON																									
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Diseqc input	Diseqc A																									
Tone 22KHz	Auto																									
Tone Burst	Tone Burst A																									
Transponder	12604H22000																									
Signal Quality	<input type="text" value="0%"/>																									
Signal Level	<input type="text" value="0%"/>																									



● **Automatic Scan :**

Use this to automatically find and store all available channels.



• **Channels :**

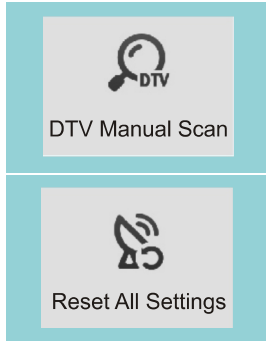
Select either free or all channels to store.

• **Scan Mode :**

You can select: Auto/preset.

• **Scan :**

When setting is completed, move to "Scan". Channel scan is started.

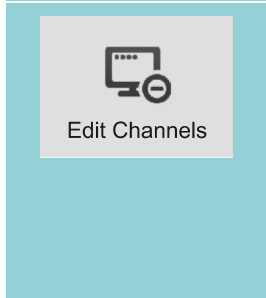


● **DTV Manual Scan :**

Allows you to make manual fine tuning adjustments of the channel.  
You Satellite Setup > Satellite?> Transponder > Frequency and Symbol Rate

Scan

Select the Scan to start the manual tuning.



● **Reset All Settings :**

All satellite settings will be reset to the initial values.



● **Edit Channels :**



• **Channel Skip :**

Select to skip channels.

• **Edit Channel :**

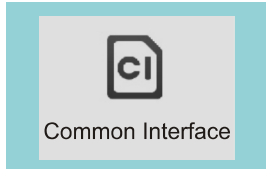
Edit the channels in the favorite list.

• **Add To Favorite :**

Press the [OK] button to add the selected channel to the favorite list.

• **Move For Favorite :**

Press the [OK] button to remove the selected channel from the list.



● **Common Interface :**

The common interface allows the use of a CI+ module. This module can enable you to watch scrambled (pay-TV) services. The CI+ module and smart card can be obtained from your local service provider.

⚠ **Note** The function is only applicable to the products which support it.





Export To USB

● **Export To USB :**

Allows you to make manual fine tuning of channels in ATV mode.

1. Insert a USB storage device to the USB jack.
2. Select the Export To USB mode. A pop-up menu appears, press the [OK] button to begin to copy the programme list. (Only DTV channels will be copied)
3. If the Figure 1 shows, it means that the exporting was successful. (Figure 1) Clone is successful. (Figure 2) Clone failed. If the figure 2 shows the export was not successful, please check the following:
  - Check if the USB storage is inserted and working properly.
  - This function is only available for DTV channels.



Import from USB

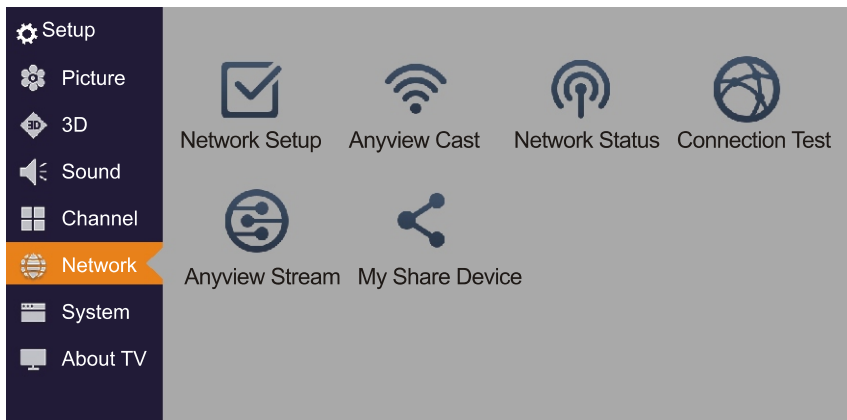
● **Import from USB :**

1. Insert the USB storage on which you saved the edited channel list to your TV.

2. Select the Import from USB mode. If the figure Update failed. shows, the importing was not successful, please check the following:
  - Check if the USB storage is inserted and working properly.
  - This function is only available for DTV channels.

## 10. Setting Options: Network

Here you can adjust the setting related to the network configuration and test your connection. For explanation of the setting in the Network menu, see page.



## Explanation of the network settings:



### Network Setup

- **Network Setup :**

Setup the network settings for your TV.

Network Setup	
Interface	Ethernet
Ethernet	
Wlan	

- **Interface :**

Select the connection type: Ethernet or Wlan.

- **Ethernet :**

- **DHCP (Dynamic Host Configuration Protocol) :**

Automatically acquires the necessary connection values and connects your TV to the network.

- **Static :**

Manually input the connection values needed to connect the TV to the network: IP-address, subnet mask, default gateway, primary and secondary DNS.

- **Wlan :**

- **Scan :**

Scan and display a list of available access points. Press the [▲/▼] buttons to select your network name (SSID) and then press the [OK] button. A screen will appear prompting you to enter your networks password/security key. Enter the password/security key and press the [OK] button. Your TV should now be connected to your network.

- **Add Network :**

Manually connect to your network. A screen will appear prompting you to enter the name (SSID) and select the security mode. Enter the password/security key and press the [OK] button. Your TV should now be connected to your network.

- **Auto :**

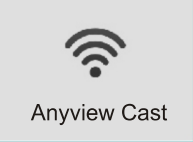
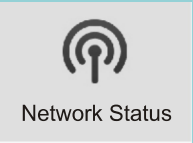
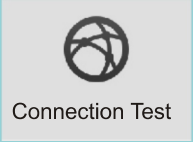
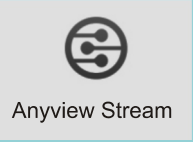
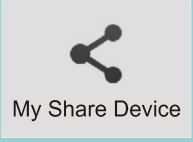
If you select Auto, a screen will appear prompting you to select PIN or PBS (Push-Button Configuration) setup. Choose the method supported by your wireless access point.

- **PIN :**

A pin number will appear on your screen. Enter this pin number into your access point. After entering the PIN, press the [OK] button. If the PIN is in use by another device, select "Refresh PIN" to obtain a new one.

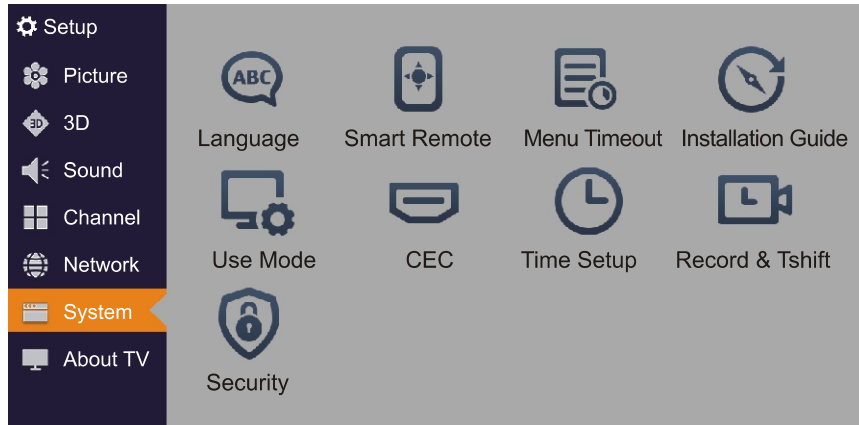
- **PBC :**

If you select PCB, a screen will appear prompting you to press the [NEXT] button. After pressing the [NEXT] button, you will have 120 seconds to press the Push Button on your access point to connect your TV.



	<p><b>- IP setting :</b> Set the IP-address, subnet mask, gateway, primary and secondary DNS when connected to Wlan.</p>
 <p>Anyview Cast</p>	<p>● <b>anyview cast :</b> If your phone, PAD with Mircocas function can be achieved wireless connection with the TV.</p> <hr/> <p><b>- How to use anyview cast:</b> Your TV should be connected to your network by Wlan. Enter to AnyView Cast on-screen (Setup &gt;Network &gt; AnyView Cast). Set the Mircocas function on your phone or PAD is available. Share your phone or PAD's display.</p>
 <p>Network Status</p>	<p>● <b>Network Status :</b> View the current network and internet status.</p>
 <p>Connection Test</p>	<p>● <b>Connection Test :</b> Test your network and internet connection.</p>
 <p>Anyview Stream</p>	<p>● <b>Anyview Stream :</b> The TV can directly browse and play media files such as the videos, pictures, and musics from computers or other mobile devices over the same home network.</p> <p><b>- How to enter DLNA :</b> Select AnyView Stream (Setup &gt;Network &gt; AnyView Stream). On the AnyView Stream screen to set it on.</p>
 <p>My Share Device</p>	<p>● <b>My Share Device :</b> Allow or deny mobile devices to access your TV.</p>

## 11. Setting Options: System

Here you can adjust the settings related to the system language, start the first time installation guide again, choose the use mode, time setup, security, recording, software update, restore factory settings and other system settings. For explanation of the setting in the System menu, see page.



### Explanation of the system settings:

 Language	<ul style="list-style-type: none"><li>● <b>Language :</b><table border="1" data-bbox="421 911 669 1203"><thead><tr><th colspan="2">Language</th></tr></thead><tbody><tr><td>Menu Language</td><td>English</td></tr><tr><td>Primary Audio</td><td>English</td></tr><tr><td>Secondary Audio</td><td>English</td></tr><tr><td>Primary Subtitle</td><td>English</td></tr><tr><td>Secondary Subtitle</td><td>English</td></tr><tr><td>Digital Teletext Language</td><td>English</td></tr></tbody></table><ul style="list-style-type: none"><li>• <b>Menu Language:</b> Select a language for the menu.</li><li>• <b>Primary Audio:</b> Select the primary audio language (only in DTV mode).</li><li>• <b>Secondary Audio:</b> Select the secondary audio language (only in DTV mode).</li><li>• <b>Primary Subtitle:</b> Select the primary subtitle language, or turn of subtitles.</li><li>• <b>Secondary Subtitle:</b> Select the secondary subtitle language, or turn of subtitles.</li><li>• <b>Digital Teletext Language:</b> Select your desired Teletext language.</li><li>• <b>Decoding Page Language:</b> The Teletext channel will display incorrectly if you select the incorrect decoding.</li></ul></li></ul>	Language		Menu Language	English	Primary Audio	English	Secondary Audio	English	Primary Subtitle	English	Secondary Subtitle	English	Digital Teletext Language	English
Language															
Menu Language	English														
Primary Audio	English														
Secondary Audio	English														
Primary Subtitle	English														
Secondary Subtitle	English														
Digital Teletext Language	English														
 Smart Remote	<ul style="list-style-type: none"><li>● <b>Smart Remote :</b> You can use your Android Smartphone or tablet as a remote control for your TV, by downloading an application.</li></ul>														



Menu Timeout

● **Menu Timeout :**

Select the time it takes before the On-Screen Menu disappears. 10s/20s/.../60s.



Installation Guide

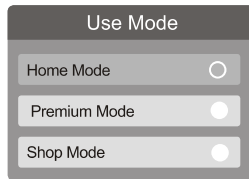
● **Installation Guide :**

Enter the First Time Installation Guide.



Use Mode

● **Use Mode :**



● **Select your mode settings :**

Home Mode, Premium Mode and Shop Mode.

● **Home Mode :**

Recommended for home use and low power consumption.

● **Premium Mode :**

ideal picture and sound, but with higher power consumption.

● **Shop Mode :**

optimizes picture for store environments. Resets all settings when the TV is turned off.



CEC

● **CEC :**

This feature allows you to add devices to your TV and control them with your TV remote control.



Time Setup

● **Time Setup :**

● **Time Zone :**

When you select a Time Zone city, the TV time is set based on the Time Zone information and GMT (Greenwich Mean Time) which is received with the broadcast signal and the time is set automatically.

● **Auto Synchronization :**

Date and time can be adjusted manually when it is set to off. Select on to synchronize with the digital signal. Only available for DTV channels.

● **Date :**

Set the current month/day/year.

● **Time :**

Set the current time.

- **Power On Timer :**

Set the TV to automatically switch on at a preset time.

- **On/Off :**

Select On to activate the function.

- **Repeat :**

Set repeat cycle.

- **Time :**

Set the desired time for when the TV should turn on.

- **Power Off Timer :**

Set the TV to automatically switch off at a preset time.

- **On/Off :**

Select On to activate the function.

- **Repeat :**

Set repeat cycle.

- **Time :**

Set the desired time for when the TV should turn off.

- **Sleep Timer :**

The sleep timer automatically puts the TV into standby mode after the preset time has elapsed. Specify the amount of time before the TV sleeps: Off-10-...-120 minutes. If you turn off the TV after setting the sleep timer, the setting will be erased.

- **Auto Sleep :**

If you do not press any button on the remote control during the set period, the TV can switch into standby mode to save energy.



## Record & T.shift

### ● Record & T.shift :

#### Record & T.shift

Recording List

Booking Schedule

Recording Setting

Time-Shift Setting

- **Recording List :**

Display recording program list.

- **Booking Schedule :**

Display reminder and recording information.

- **Recording Setting :**

Select the device or disk where you want to store your contents recorded.

- **Time-Shift Setting :**

Select the device or disk where you want to store your timeshift contents.



## Security

### ● Security :

Prevent unauthorized users such as children from watching unsuitable programs. When you first use this function, the default password is [0000]. You can change the password in the Change PIN submenu.

#### Security

Blocking Channels

Youth Protection

Child Lock Off

Change PIN

Reset Security Settings

- **Blocking Channels:**

Channel Lock is designed to prevent children from watching unsuitable programs. Press the [▲/▼] buttons to select the channels you want to lock and then press [OK] to confirm. A lock icon will appear on the right of the channel (Not available in HDMI or Component mode).

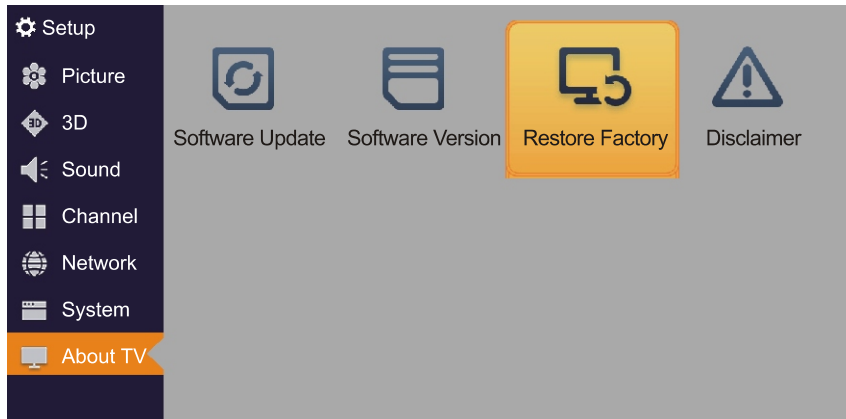
- **Youth Protection:**

This function allows you to set up blocking schemes to block programs and channels with age ratings. It operates according to the information from the broadcasting channel. Therefore, if the signal is incorrect or has no information on age rating, it will not block the program or channel.





- **Change PIN:**

Enter a new password and then enter it again to confirm it. The PIN will be changed.

## 12. Setting Options: About TV



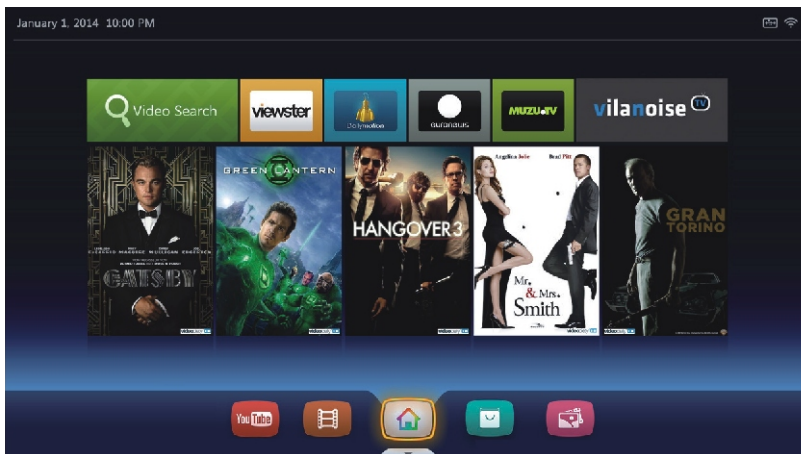
### Explanation of the network settings:

 Software Update	<ul style="list-style-type: none"><li>● <b>Software Version :</b> Upgrade the software to the latest version. Software Update can be performed via the network connection or downloading the latest software to a USB memory device.(Refer to “Software Update”)</li></ul>
 Software Version	<ul style="list-style-type: none"><li>● <b>Software Version :</b> Display the software version information.</li></ul>
 Restore Factory	<ul style="list-style-type: none"><li>● <b>Restore Factory :</b> Restore all settings to the factory defaults.</li></ul>
 Disclaimer	<ul style="list-style-type: none"><li>● <b>Disclaimer :</b> When the <b>Disclaimer</b> menu opens, press the [▲/▼] buttons to scroll through the pages. Please read it carefully.</li></ul>



## 13. HiSmart

1. Press the [  ] button to display HiSmart portal.



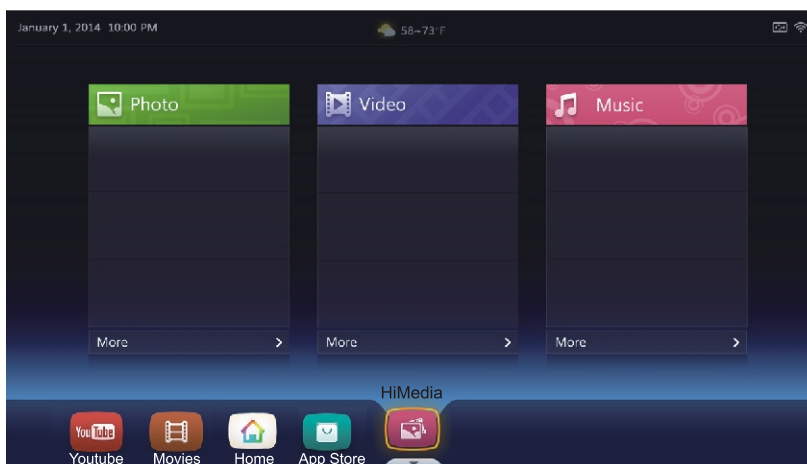
2. Press the [  /  /  /  ] buttons to navigate.
3. Press the [OK] button to enter the category or app.

- ⚠ Note** The TV has to be connected to the Internet to be able to access the portal. Illustrations and apps for reference only.  
More detailed and up to date instructions can be found in the internet:  
Germany : [www.hisense.de](http://www.hisense.de)  
Italy : [www.hisenseitalia.it](http://www.hisenseitalia.it)  
Spain : [www.hisense.es](http://www.hisense.es)

## 14. HiMedia

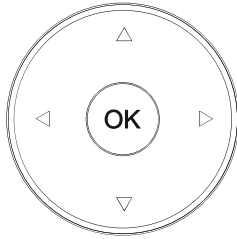
Through the HiMedia function, this TV can play media files such as videos, photos and musics from a USB storage device.

To start the HiMedia function, press the [  ] button on your remote control.

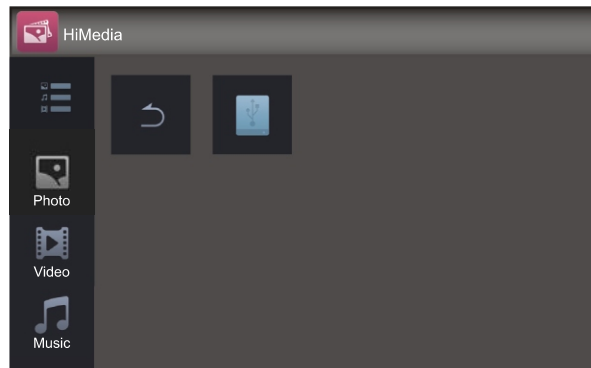


Or when you insert the USB disk/mobile hard disk with standard USB2.0 port in TV source, select the "YES".

## Navigation:



- [◀] Press to switch to the left side menu bar.
- [▲▼] Select media: All, Photo, Video, Music.
- [▶] Press to switch to the right side menu. Select USB source and press [OK].
- [◀▶ ▲▼] Navigate the folders/files and press the [OK] to enter the folder/play the file.



## ■ Supported media formats:

Media	Supported format
Video:	MPEG1 (.dat) / MPEG2 (.mpg) / MPEG4 (.mpg) / H.264
Photo:	JPEG / BMP / PNG / GIF
Music:	MP3 / AC3 / LPCM

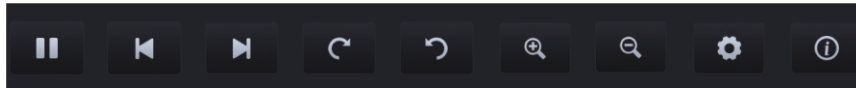
**⚠ Note** It cannot be guaranteed that a supported file will open since the encoding tools are different.

## ■ Browsing Photo:

1. Press the [◀] button to switch to the left hand side menu bar, Select All or Photo by pressing the two-way directional [▲/▼] button on the remote.
2. Press [▶] button on the remote control to select the USB source and then Press the [OK] button to enter.
3. Press the [▲/▼/◀/▶] buttons to select the folder that contains the photo you want to view.
4. Press the [OK] button to display photo.

When browsing the photo:

Press the [◀/▶] buttons to select the function icon and then press the [OK] button to confirm.



1      2      3      4      5      6      7      8      9

1 Play/pause.

2 Browse the previous photo.

3 Browse the next photo.

4/5 Rotate

Rotate the photo 90 degrees clockwise.

Rotate the photo 90 degrees anticlockwise.

This function is not available for dynamic photo.

6 Enlarge. Zoom in the photo.

7 Shrink. Zoom out the photo.

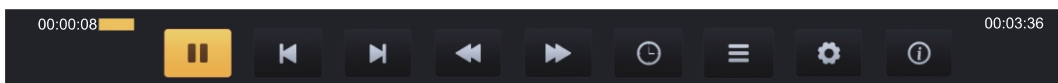
8 Option Set.

- Press the [▲/▼] buttons to select the options and press the [OK] button to enter, then press the [▲/▼] buttons to set them and press the [OK] button to confirm.
- Speed - Allows you to browse the photo at different speed.
- Effect - Select transition effects between images

9 Photo info. Displays information about the photos.

## ■ Playing Video Files:

1. Press the [◀] button to switch to the left hand side menu bar, Select All or Video by pressing the two-way directional [▲/▼] button on the remote.
2. Press [▶] button on the remote control to select the USB source and then Press the [OK] button to enter.
3. Press the [▲/▼/◀/▶] buttons to select the folder that contains the video you want to view.
4. Press the [OK] button to play the video.
5. Press the [◀/▶] buttons to select the function icon and then press the [OK] button to confirm.



1      2      3      4      5      6      7      8      9      10

### Function of icons:

- 1 The progress bar when playing.
- 2 Play/Pause.
- 3 Play the previous video.

4 Play the next video.

5 Fast rewind.

6 Fast forward.

7 Select time to play.

- Press the [◀/▶] buttons to set hour, minutes and seconds.
- Press the [0~9] buttons to set the time and press the [▲/▼/◀/▶] buttons to adjust it.
- Press the [OK] button to confirm and the video will play at the time you have set.

8 Play list

- Press the [CH+/CH-] buttons to page up/page down and press the [▲/▼] buttons to select the video.
- Press the [OK] button to confirm.

9 Options.

Press the [▲/▼] buttons to select the options and press the [OK] button to enter, then press the [▲/▼] buttons to set them and press the [OK] button to confirm.

- Repeat - You can change the repeat mode.

All: Repeats all files contained in the folder.

Once: Plays the current file once.

Single: Repeats the current file only.

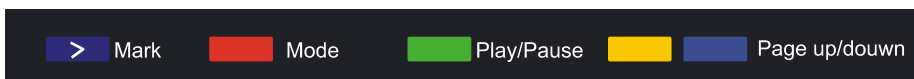
- Zoom - You can choose the “Full Screen”, “Original Size” or “Normal” mode.
- Subtitle - If the video has multiple subtitles, you can choose what you want.
- Audio Track - If the video has multiple audio tracks, you can choose one of them.

10 Program info

- Allows you to view the program information.

## ■ Playing Music Files:

1. Press the [◀] button to switch to the left hand side menu bar, Select All or Music by pressing the two-way directional [▲/▼] button on the remote.
2. Press [▶] button on the remote control to select the USB source and then Press the [OK] button to enter.
3. Press the [▲/▼/◀/▶] buttons to select the folder that contains the music file you want to listen.
4. Press the [OK] button to play/Pause the music.
5. All the music is listed on the left. Press the [▲/▼] buttons to select the music and press the [▶ mark] button to mark it.  
You can press the [Page up/down] buttons to move page up/down. Press the [Mode] button to select the Repeat Mode: Mark / All / Single.



## 15. HbbTV



Startleiste einblenden

WDR

You will be able to access additional services of broadcasters and channels through HbbTV. HbbTV services are not offered in all countries and not by all channels.

1. **Tune to the channel of which you would like to access the HbbTV services.**
2. **Press the [RED] button to enter the service.**



**Note** The function is only applicable depending on the model.

HbbTV is not available when Timeshift is running or when a recorded video is being played back.

Parts of the services are only available if the TV is connected to the Internet.

If a channel is offering HbbTV services is indicated when you are tuning to the channel by a pop up window with further instructions or in the info bar with "HbbTV".

## 16. Smart Remote

You can download the Hisense Remote Control app to your Android smartphone/tablet to use it as a remote control for your TV.

### ■ Operation introduction

#### 1. TV side:

- Confirm the TV is connected to a local network.
- Set Smart Remote to On (Settings Menu > More Settings > System > Smart Remote >on).

#### 2. Device Setup:

- Download the corresponding application from Google play store.

Device Type	Application Name
Android Smartphone / Tablet	TV Remote

#### 3. Hisense Remote function:

- Keys : Function keys are provided to control the connected TV.
- Mouse : Mouse functionality can be activated by tapping on the "Mouse" key on the remote control.
- Keyboard : Soft keyboard can be used to input text to TV. Only some types of applications support text input from smart devices.



**Note** It's possible you have to change settings on your device to install software not downloaded from Play Store. TV and the smartphone/tablet have to be connected to the same network.

Please start the Smart Remote app and select your TV from the list, then select "TV remote".

## 17. Software Update

Software Update can be performed by network connection or downloading the latest software to a USB memory device.

### ■ By USB

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Insert a USB drive containing the software update file, downloaded from

“Germany: [www.hisense.de](http://www.hisense.de)”, “Italy: [www.hisenseitalia.it](http://www.hisenseitalia.it)”, “Spain: [www.hisense.es](http://www.hisense.es)” .

Please be careful not to disconnect the power or remove the USB drive until updates are complete.

The TV will be turned off and on automatically after completing the software update. When software is updated, video and audio settings you made will return to their default settings and your personal settings will be deleted. We advise you to write down your settings so that you can easily reset them after the update.

### ■ By Network

---

Update the software using the Internet.

First, configure your network. For detailed procedures on using the Network Setup, refer to the “Quick Setup Guide ” and

“Setup >About TV” instructions. If you want the Network Update to work automatically, please set Auto Upgrade to On (Setup > About TV > Software Update > Auto Upgrade).

If the Internet connection doesn't operate properly, check the Network Configuration settings and try again. If the problem persists, use the USB method above to update.

## Troubleshooting

### 18. Troubleshooting

If you have any questions about the TV, first refer to this list. If none of these troubleshooting tips apply, please visit


Germany: [www.hisense.de](http://www.hisense.de)

Italy: [www.hisenseitalia.it](http://www.hisenseitalia.it)

Spain: [www.hisense.es](http://www.hisense.es)

Then click on Support, or contact the call centre listed of this manual.

Problem	POSSIBLE SOLUTIONS
<b>Picture Quality</b>	
<b>The TV image does not look as good as it did in the store.</b>	<p>Make sure that you are using a digital signal. Choose DTV from the SOURCE list or use a digital set-top-box.</p> <p>Check if the channels you are watching are also available in HD.</p> <p>Make sure you are sitting a minimum of three times the diagonal of the TV away.</p>
<b>The picture is distorted: macroblock error, small block, dots, pixelization</b>	<p>Compression of video contents may cause picture distortion especially in fast moving pictures such as sports and action movies.</p> <p>Low signal level or bad quality can cause picture distortion. This is not a TV issue.</p> <p>Mobile phones used close to the TV (less than 1m) may cause noise in picture on analogue and digital TV.</p>
<b>Colour is wrong or missing.</b>	<p>If you're using a component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause colour problems or a blank screen.</p>
<b>There is poor colour or brightness.</b>	<p>Adjust the PICTURE(Brightness/Sharpness/Backlight) mode in the TV menu.</p>
<b>There is a dotted line on the edge of the screen.</b>	<p>Press the [SIZE] button on the TV remote to change the picture zoom to 16:9.</p> <p>Adjust the picture screen display in the TV menu.(Press the [MENU] button and select SCREEN mode)</p> <p>Change the set-top-box resolution.</p>
<b>When the picture is distorted or poor.</b>	<p>Verify if the antenna is connected properly.</p> <p>Non-earthed audio devices, neon lights, high buildings or mountains can influence the picture quality. Try to improve the picture by changing the antenna direction or place devices away from the TV.</p>
	<p>Image may be abnormal when the TV system is changed as a result of the manual search. If so, please check whether TV system is correct or not.</p> <p>If only a certain channel is poor, try to fine tune this channel in the Fine tune menu.</p>
<b>Sound Quality</b>	
<b>There is no sound or the sound is too low at maximum volume.</b>	<p>Please check the volume of the external device connected to your TV.</p>

Problem	POSSIBLE SOLUTIONS
<b>The picture is good but there is no sound.</b>	If you are using an external device, make sure the audio cables are connected to the correct audio input jacks on the TV.
	If you are using an external device, check the device's audio output option (ex. you may need to change your cable box's audio option to HDMI when you have a HDMI connected to your TV).
	If you are using DVI or VGA cable, a separate audio cable is required.
	If your TV has a headphone jack, make sure there is nothing plugged into it.
<b>The speakers are making an inappropriate noise.</b>	Check the cable connections. Make sure a video cable is not connected to an audio input.
	For antenna or cable connections, check the signal strength. Low signal level may cause sound distortion.
<b>No Picture, No Video</b>	
<b>The TV will not turn on.</b>	Make sure the AC power cord is securely plugged in to the wall outlet and the TV.
	Make sure the wall outlet is working.
	Try pressing the POWER button  on the TV to make sure the problem is not the remote.
<b>The TV turns off automatically.</b>	Ensure the Sleep Timer is set to Off in the Time menu.
	If your PC is connected to the TV, check your PC power settings.
	Make sure the AC power cord is plugged in securely to the wall outlet and the TV.
	The TV will turn off automatically after 10 ~ 15 minutes if there is no signal.
<b>There is no picture/video.</b>	Check cable connections (remove and reconnect all cables connected to the TV and external devices).
	Set your external devices' (Cable/Set top Box, DVD, Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV.
	Make sure your connected devices are powered on.
	Be sure to select the TV's correct source by pressing the SOURCE button on the TV remote.
<b>RF(Cable/Antenna) Connection</b>	
<b>The TV is not receiving all channels.</b>	Make sure the Antenna/Cable/Satellite cable is connected securely.
	Automatic scan TV channel through the CHANNEL menu setting.
	If you are receiving the signal through Aerial or Satellite, make sure the antenna is positioned correctly and the signal strength is good.



Problem	POSSIBLE SOLUTIONS
<b>The picture is distorted: macroblock error, small block, dots, pixelization</b>	Compression of video contents may cause picture distortion, especially on fast moving pictures such as sports and action movies.
	A low signal can cause picture distortion. This is not a TV issue.
<b>PC Connection</b>	
<b>A “Mode Not Supported” message appears.</b>	Set your PC’s output resolution so it matches the resolutions supported by the TV.
<b>The video is OK but there is no audio.</b>	If you are using a VGA or DVI connection, check the audio output setting on your PC.
<b>Network Connection (Depending on Models)</b>	
<b>Wireless network connection failed</b>	Go to the Network Configuration and select a wireless network to connect. Enter the password if necessary and try again.
	Make sure the wireless router supports DHCP and that it is activated.
<b>Recording/Timeshift</b>	
<b>The USB device is not recognized or a Device Format, Checking Device or device Performance Test falls.</b>	See the manual for the USB device to check that the USB device supports recording.
	If the USB device has a lock, ensure it is off.
	Check that the USB device can be formatted when connected to the PC. Connect the USB to the TV and format it.
	If a Device Performance Test or formatting failed, it means that there is a problem with USB hardware or the performance of the USB hardware is too low.
<b>The recording function does not work.</b>	Check that a USB device is connected.
	Check that the channel is a recordable digital channel.
	If the signal is weak or does not exist, the recording function will automatically be closed.
	The TV will not record if the USB device has no free memory space. Check that this is not the case.
<b>Timeshift Mode does not work</b>	Check that a USB device is connected.
	Radio channels and analogue broadcasts are not supported.
	Data broadcast channels are not supported.
	If the signal is weak or does not exist, the Timeshift Mode function will automatically be closed.
	Timeshift Mode can’t be performed if the USB device has no free memory space. Check that this is not the case.
<b>Others</b>	

Problem	POSSIBLE SOLUTIONS
<b>The picture will not display in full screen.</b>	Channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents.
	Black bars on the top and bottom will appear during movies that have aspect ratios different from your TV.
	Adjust the picture size options on your external device or press the [SIZE] button to 16:9 that will display the whole screen.
<b>The remote control does not work.</b>	Replace the remote control batteries with the poles (+/-) in the right direction.
	Clean the transmission window located on the top of the remote control.
	Pairing the Remote Control with TV. Not for TV models which use infrared remote control.
	Try pointing the remote directly at the TV from 5~6 feet away.
<b>A “Not Supported” message appears.</b>	Check the supported resolution of the TV, and adjust the external device’s output resolution accordingly. Refer to resolution settings in this manual.
<b>There is a plastic smell from the TV.</b>	This smell is normal and will dissipate over time.
<b>TV is tilted to the right or left side/front or back side.</b>	Remove the stand base from the TV and reassemble it.
<b>There are difficulties assembling the stand base.</b>	Make sure the TV is placed on a flat surface. It is necessary to use magnetized screw driver if you cannot remove the screws from the TV.
<b>The Channel menu can not be selected.</b>	The Channel menu is only available when the TV source is DTV or ATV.
<b>Your settings are lost after every time the TV is turned off.</b>	If the TV is in the Shop Mode, your settings will not be saved. You should select the Home Mode. Installation Guide has to be On and the TV has to be switched off and back on to start the Installation Guide.
<b>You have intermittent loss of audio or video.</b>	Check the cable connections and reconnect them.
	Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use.
<b>There are recurrent picture/sound issues.</b>	Check and change the signal/source.
<b>A reaction may occur between the rubber cushion pads on the base stand and the top finish of some furniture.</b>	To prevent this, use felt pads on any surface of the TV that comes in direct contact with furniture.

**⚠ Note** This TFT LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

## Service contact

### 19. Service contact

Country	Hotline Number	Website
Austria	+43-0820420411	<a href="http://www.eseco.at">www.eseco.at</a>
Belgium	+32(0)11 281780	<a href="http://www.servilux.be">www.servilux.be</a>
Denmark	+45-44503039	<a href="http://www.welektronik-centrt.dk">www.welektronik-centrt.dk</a>
France	+33-0800 835 897	<a href="http://www.nse-group.com">www.nse-group.com</a>
Germany	+49-0511 51 51 3396	<a href="http://www.elesco-europa.com">www.elesco-europa.com</a>
Hungary	+36-614772070	<a href="http://www.aagservice.hu">www.aagservice.hu</a>
Ireland	+44 28 3832 6119	<a href="http://www.craigavon.tv">www.craigavon.tv</a>
Italy	+39-800 321 999	<a href="http://www.hisenseitalia.it">www.hisenseitalia.it</a>
Norway	+47-815 81 333	<a href="http://www.infocare.no">www.infocare.no</a>
Spain	+34-903027419	<a href="http://www.hisense.es">www.hisense.es</a>
Sweden	+46 911 21 14 50	<a href="http://www.assistedjan.se">www.assistedjan.se</a>
Switzerland	+41(0)900782400	<a href="http://www.stagicp.ch">www.stagicp.ch</a>
The Netherlands	+31(0)77-3060708	<a href="http://www.technorep.nl">www.technorep.nl</a>

[www.hisense-europe.com](http://www.hisense-europe.com)    [www.hisense.com/en](http://www.hisense.com/en)

For more information, please contact the service company of Hisense in your country.

## Recycling/Licenses

### 15. Recycling/Licenses

#### WEEE (Waste Electronic Electric Equipment) European Directive 2002/96/EC



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



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.

#### RoHS (Restriction of Hazardous Substances) European Directive 2002/95/EC



This product complies with the RoHS directive which limits the use of dangerous and hazardous substances which are difficult to recycle.



This TV incorporates High-Definition Multimedia Interface (HDMI™) technology. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks and registered trademarks of HDMI licensing LLC in the United States and other countries.

