

Hisense[®]

USER'S MANUAL

Before using the TV, Please read this manual thoroughly, retain it for future reference.

24K20

ES-G120806

English

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Important safety instructions

Energy Star

Your Hisense TV is ENERGY STAR® qualified in the “VIVID” mode. It meets strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and Department of Energy. ENERGY STAR is a joint program of these government agencies, designed to promote energy efficient products and practices. Changes to certain features, settings, and functionalities of this TV (i.e. TV Guide, Picture, Sound) can increase or change the power consumption. Depending upon such changed settings, the power consumption may exceed the limits required for the ENERGY STAR qualification in the “VIVID” mode.



➤ Important safety instructions

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



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.

CAUTION: CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE WITH THE FCC RULES COULD VOID THE USERS AUTHORITY TO OPERATE THIS EQUIPMENT.

FCC Statement

NOTE:

This equipment has been tested and found to comply with the limits for a class B digital Device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio Communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING:

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

1. READ THESE INSTRUCTIONS
2. KEEP THESE INSTRUCTIONS
3. HEED ALL WARNINGS
4. FOLLOW ALL INSTRUCTIONS
5. DO NOT USE THIS APPARATUS NEAR WATER
6. CLEAN ONLY WITH DRY CLOTH
7. DO NOT BLOCK ANY VENTILATION OPENINGS
8. DO NOT INSTALL NEAR ANY HEAT SOURCES
9. DO NOT DEFEAT THE SAFETY PURPOSE OF THE POLARIZED OR GROUNDING-TYPE PLUG
10. PROTECT THE POWER CORD FROM BEING WALKED ON OR PINCHED PARTICULARLY AT PLUGS, CONVENIENCE RECEPTACLES, AND THE POINT WHERE THEY EXIT FROM THE APPARATUS.
11. ONLY USE ATTACHMENTS/ACCESSORIES SPECIFIED BY THE MANUFACTURE.
12. USE ONLY WITH CART, STAND, TRIPOD, BRACKET, OR TABLE SPECIFIED BY THE MANUFACTURER, OR SOLD WITH THE APPARATUS. WHEN A CART IS USED, USE CAUTION WHEN MOVING THE CART/APPARATUS COMBINATION TO AVOID INJURY FROM TIP-OVER.



S3126A

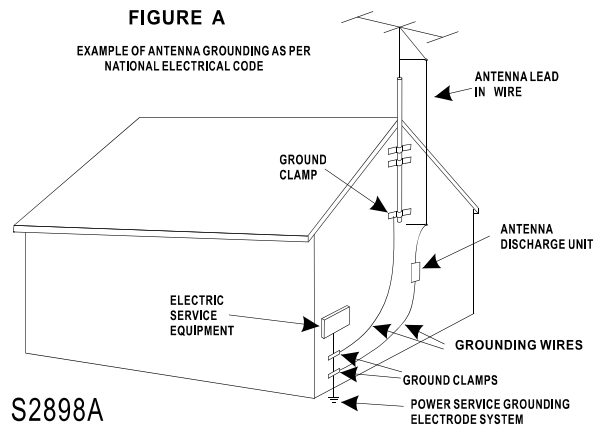
Important safety instructions

➤ Important safety instructions

13. **UNPLUG THIS APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.**
14. **REFER ALL SERVICING TO QUALIFIED SERVICE PERSONNEL. SERVICING IS REQUIRED WHEN THE APPARATUS HAS BEEN DAMAGED IN ANY WAY, SUCH AS POWER-SUPPLY CORD OR PLUG IS DAMAGED, LIQUID HAS BEEN SPILLED OR OBJECTS HAVE FALLEN INTO THE APPARATUS, THE APPARATUS HAS BEEN EXPOSED TO RAIN OR MOISTURE, DOES NOT OPERATE NORMALLY, OR HAS BEEN DROPPED.**
15. **POWER SOURCE:** This TV should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For TVs intended to operate from battery power, or other sources, refer to the operating instructions.
16. **POWER CORD PROTECTION:** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

17. **OUTDOOR ANTENNA GROUNDING**

If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA NO.70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. (Fig.A)



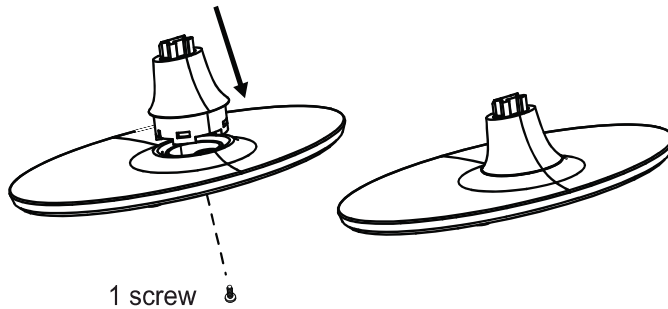
18. **LIGHTNING:** For added protection for this TV receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the TV due to lightning and power line surges.
19. **POWER LINES:** An outside antenna system should not be located in the vicinity of overhead power lines, or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
20. **OVERLOADING:** Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
21. **OBJECT AND LIQUID ENTRY:** Never push objects of any kind into this TV through openings as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill liquid of any kind into the TV.
22. **SERVICING:** Do not attempt to service this TV yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
23. **REPLACEMENT PARTS:** When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, injury to persons or other hazards.
24. **SAFETY CHECK:** Upon completion of any service or repairs to this TV, ask the service technician to perform routine safety checks to determine that the TV is in proper operating condition.
25. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids such as vase, shall be placed on the apparatus.
26. **WARNING:** Plug the power cord into a power outlet where access to the power cord connector is readily accessible in case power dis-connection is required.
27. **ATTENTION:** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
28. **CAUTION:** To reduce the risk of electric shock, grounding of center pin of this plug must be maintained.
29. **WARNING:** Plug the power cord into a power outlet where access to the power cord connector is readily accessible, in case if the power needs to be immediately disconnected.
30. **ATTENTION:** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
 - a). Disposal of packaging: The packaging of this product is intended to be recycled. Apply to the local authorities for correct disposal.
 - b). Disposal of batteries: The batteries supplied do not contain the heavy metals mercury and cadmium. Please check on how to dispose exhausted batteries according to local regulations.
 - c). Note Specifications and information are subject to change without notice. If you need further assistance, please call the customer support service in your country.
31. **POWER-CORD INSERT CHECK:** When connecting the power cord to the connector of the TV, make sure the power cord is fully inserted in the place. Bad contact may cause high temperature of the connector and the risk of fire or other damages.

Setting up

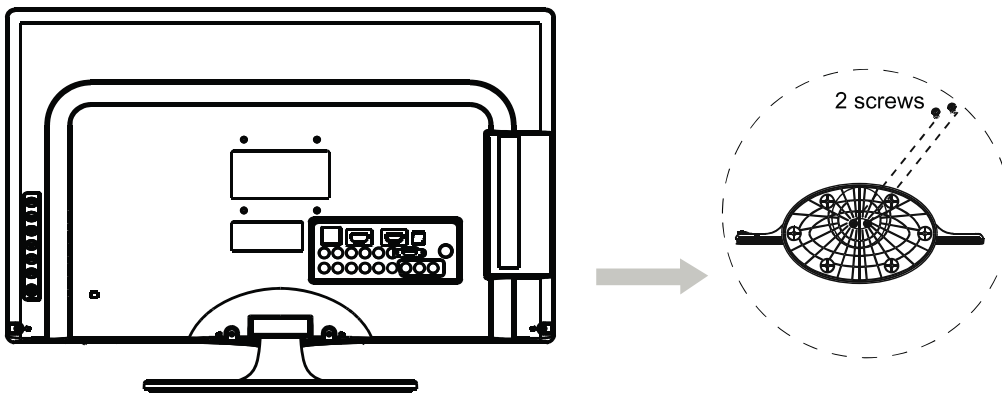
➤ Stand Installation Instruction

1. Attach the neck to the stand faceplate. Use the screw to fix them tightly.
2. Place the TV faced down on a soft cloth or cushion on a table.
3. Attach the stand to the TV set as shown in the picture.
4. Use the screws to fix the stand tightly.

STEP 1



STEP 2



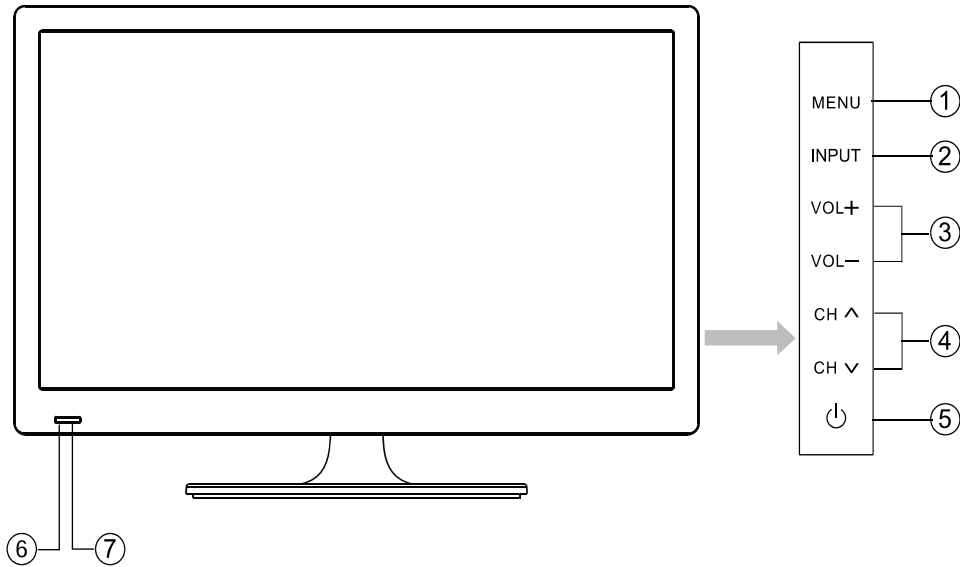
Note:

The stand includes four parts, such as neck, faceplate, spacers and screws .
Screws are used for connecting neck with faceplate and attaching the stand to the TV.

Setting up

➤ Locating TV buttons and connectors

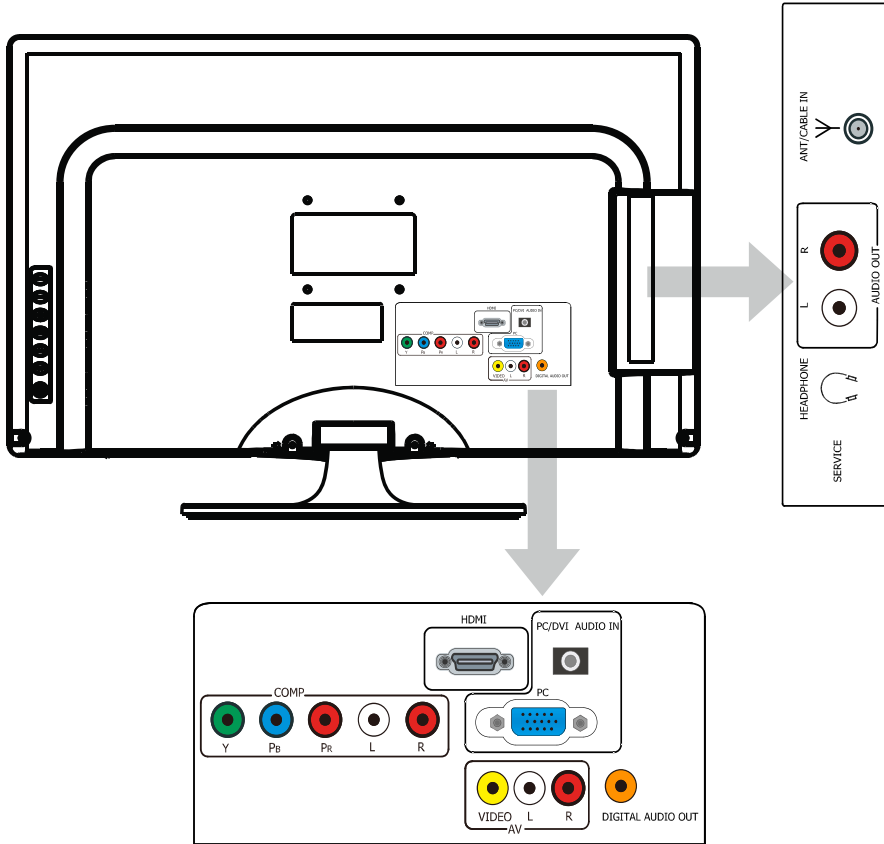
Note: The below figures are for reference only, please refer to the actual units to determine the appearance.



NO.	TV	Description
1	MENU	Display the onscreen display(OSD) or Exit to close the OSD.
2	INPUT	Select the input source. Press INPUT to open the list of input sources.
3	VOL+ / VOL-	Raise or lower the sound level. In an OSD menu, press these buttons to move right or left in the menu or to adjust an item.
4	CH ^ / CH v	Select the next higher or lower channel. In an OSD menu, press these buttons to move up or down in the menu.
5	⏻ (Standby)	Press to turn your TV on or off (standby mode).
6	Remote control sensor	Receives signals from the remote control. Please do not block.
7	Power indicator	The light shows whether the TV is on or standby mode.

Setting up

➤ Locating TV buttons and connectors



Setting up

➤ Connect to other devices

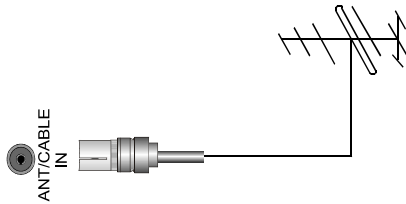
Warning: Before connecting the TV to any other electronic device, unplug the TV and electronic device AC cords from the AC input. Not all following terminals are included on your TV. The actual one refer to the part of "Locating TV buttons and connectors"

1. Connect to broadcast antenna or the cable TV

To have an optimal picture quality, it is strongly recommended to have an external antenna or a cable TV.

Note:

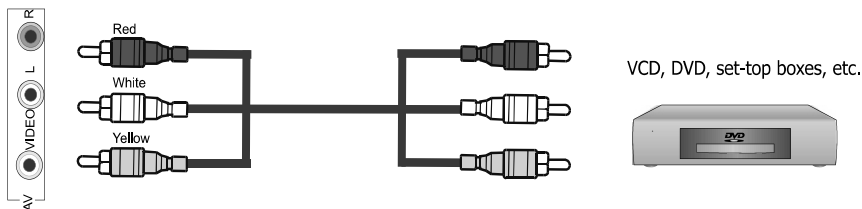
- It is recommended that coaxial cable (75Ω) be used to eliminate the interference caused by the mismatched impedance.
- The antenna cable should not be bound together with the power cord.
- When using the cable TV, please insert the plug of the coaxial cable (75Ω) directly into the antenna outlet.



2. Connect to AV devices

- Connect a Video RCA cable to your set and the other ends to an appropriate external A/V device such as a VCR, DVD or Set-top boxes.
- Connect RCA audio cables to "R - L(audio)" on your set and the other ends to corresponding audio out connectors on the A/V device.

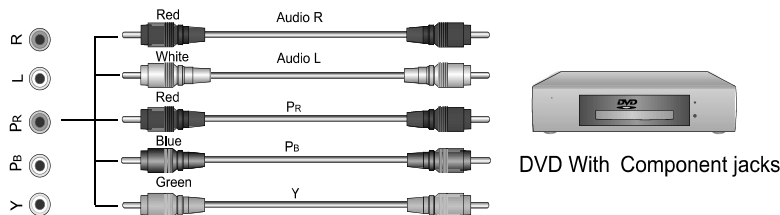
Video in(composite video) transmits video as a single signal.



3. Connect to devices with Component interface

Component video(Y, Pb, Pr)transmits video as separate Y, Pb, Pr signals. Use this connection for high-definition video signals from a DVD or other equipment.

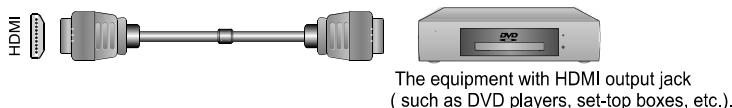
- Connect Component video and audio cables to Component inputs ("PR/CR", "PB/CB", "Y") on the rear of your set and the other ends to corresponding component video out connectors on the PVR or DVD.
- The Y, PB/CB and PR/CR" connectors on your component devices (PVR or DVD) are sometimes labeled Y, B-Y and R-Y or Y, CB and CR. (Colors for inputs and cables must correspond on both devices.)



4. Connect to devices with HDMI interface

HDMI transmits an all-digital signal and is the recommended choice for playback from a digital DVD or DVR. No sound connection is needed for HDMI to HDMI connection.

- HDMI cable connected to the HDMI connector on the TV.

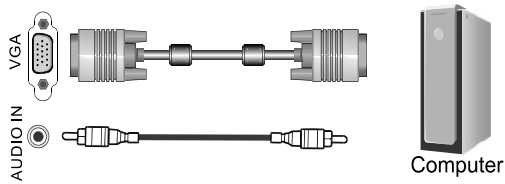


Setting up

➤ Connect to other devices

5. Connect to PC

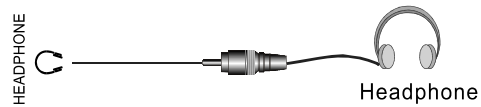
- Connect the D-Sub cable to “VGA” on the rear of your set and the other end to the Video Card of your computer.
- Connect the stereo audio cable to “PC AUDIO ” on the rear of your set and the other end to “Audio Out” of the sound card on your computer.



The D-Sub cable will not supplied with the product.
We strongly recommend to use D-Sub cable with 2 cores as shown in the figure.

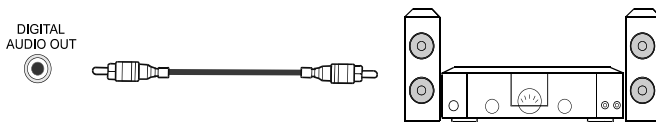
6. Connect to headphone

- Connect the headphone jack of the TV set.
- The volume of the headphone is automatically adjusted with the main volume of the TV set.



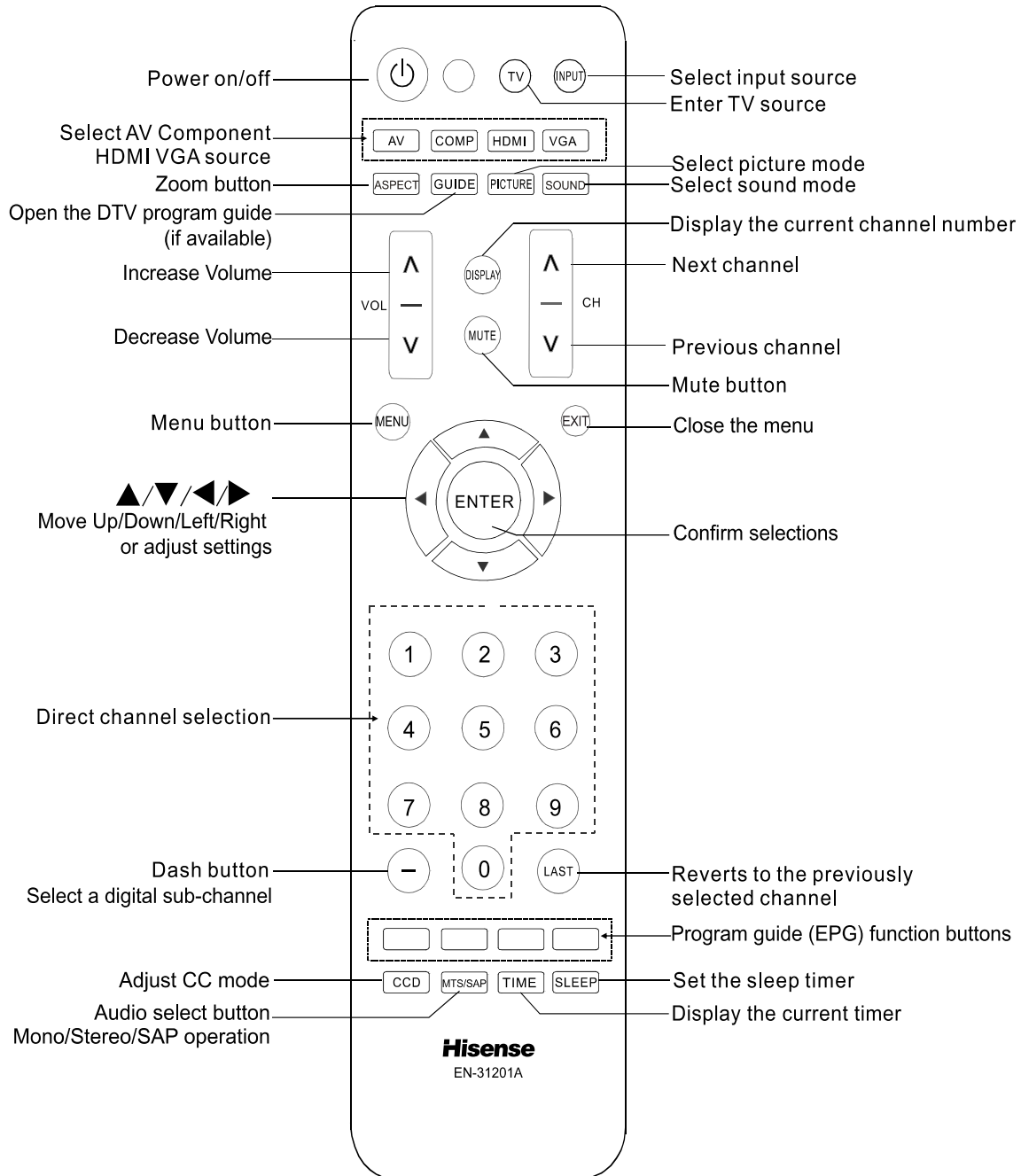
7. Digital audio

Connect a digital audio device to this jack (Coaxial cable is needed).



Using the remote control

➤ Identifying the remote control buttons



Note:

1. Illustrations are for your reference only.

2. Red/Green/Yellow/Cyan buttons are used for EPG.

After pressing the GUIDE button when viewing digital channels, the same color buttons will appear with explanations in the on-screen display (OSD). Follow the steps shown in the OSD.

Using the remote control

➤ Brief operations of remote control

Change the batteries

1. Open the battery cover on the back of the remote control.
2. Install two AAA size (1.5V) batteries. Match the "+" and "-" signs on the batteries to the signs on the battery compartment.
3. Close the battery cover.

Note:

1. If the remote control doesn't work normally, unstable, or cannot control the TV, please replace the batteries.
2. If you do not use the remote control for a long time, remove the batteries.
3. Battery precautions:
 - Dispose of batteries as hazardous waste.
 - Do not mix batteries of different types.
 - Do not mix old and new batteries .Mixing old and new batteries can shorten the life of new batteries and can cause old batteries to leak.
 - Remove batteries as soon as they become inoperable. Chemicals that can leak from the batteries can cause a rash. If the batteries leak, clean the battery compartment with a cloth.
 - If the remote control is not used for an extended period of time, remove the batteries.
 - Do not expose batteries to excessive heat such as sunshine, fire, or other heat sources.

The effective range of remote control

1. The remote control distance: 8 meters in front of the TV set.
2. The remote control angle: taking the television infrared light receiver window as an apex, 6 meters away, its controlled angle (left to right) is within 30 degrees, while the vertical angle (up to down) is within 30 degrees.

Basic operations

➤ Power on/off

1. Connect the Power Cord to the connector on the back of the TV, if the Power cord is in accessories. When connecting the power cord to the connector of the TV, make sure the power cord is fully inserted in the place. Bad contact may cause high temperature of the connector and the risk of fire or other damages
2. Connect the TV power line to AC outlet.
3. Press the Power button on the TV set. When the TV is on, press the Power button on the remote control, and the TV will enter Standby state. Press this button again, and you can watch TV normally.
4. Press the Power button again to turn off the TV.

Note:

In order to save power consumption, set the TV in Standby state if you do not watch TV for a short time.

If the TV is turned off, to turn it on again, please wait at least 5 seconds in case the abnormal phenomena occurred.

➤ Changing Channels/ Volume

1. Press [CH▲/▼] button on the remote control, you can change the channels.
(Press [VOL▲/▼] button to raise or lower the volume).
2. Press [CH▲/▼] button on the front panel of the TV set, you can also change the channels.
(Press [VOL▲/▼] button to raise or lower the volume).
3. Press the numeric buttons on the remote control to display the corresponding channels.

Note:

Changing the channels can also be achieved by directly pressing the programme No. If you want to choose the programme No. from 1 to 9, press the numeric buttons directly. If you want to select a programme No. that double-digit or three-figure, the time between twice pressing the numbers should not be more than 3 seconds.