

# Hisense<sup>®</sup>

## LCD TV

# USER' S MANUAL

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

**LCD19W57ACA**

IES090105

English

# Contents

Specification	2
Important Information	3
View the control panel and connection panel	6
Connection to other devices	7
View the remote control	10
Remote control operation	11
Basic operation	13
Turn on/off	13
Changing channels/volume	13
Channel setting	14
Picture setting	15
Sound setting	15
Screen setting	16
Function setting	17
Wall bracket installation instruction	19
Pedestal Installation Instruction	20
Trouble shooting	21
Accessories	21

## Specification

Model		LCD19W57ACA	
Product dimension W×H×D (inch)	not including base	18.4X13.2X2.9	(466.4mmX334mmX72.4mm)
	including base	18.4x15x7	(466.4mmX381mmX180mm)
Product weight(lb)	not including base	9.3	(4.2 kg)
	including base	10.1	(4.6 kg)
Display screen min size of diagonal of visual pictures (inch)		18.5 (47cm)	
Display screen Resolution		1366X768	
Unit power consumption		Refer to the rating label	
Sound-matching power		2W+2W	
Power (input)		120v 60hz	
Receiving system	RF	NTSC(M)	
	AV	NTSC	
Environmental conditions		Operating temperature:5℃~35℃ (41°F~95°F) Operating humidity : 20%~80%RH Atmospheric pressure: 86kPa-106kPa	

### Interface storage battery features:

Interface name	Interface type	Terminal(jack)	Storage battery	Impedance
Video input	Compound video	Video	1.0Vp-p	75 Ω
S-VIDEO	Brightness and colour separation video	Y	1.0Vp-p	75 Ω
		C	0.286Vp-p	75 Ω
Component input	Analog component video	Y	1.0Vp-p	75 Ω
		PB.PR	0.7Vp-p	75 Ω
VGA	VGA	R.G.B	0.7Vp-p	75 Ω
		HD.VD	TTL	High impedance
Audio input	Analog audio	Left.right	1Vrms	More than 10k Ω

### Video signal format with component input:

60HZ 480i,480p,720p,1080i.

### PC signal format with VGA interface:





60HZ 640×480,800×600,1024×768.

### Video signal format with HDMI input:

RGB 60HZ 640×480,800×600,1024×768 ;

YUV 60HZ 480p,720p,1080i.

## Important Information

 <p><b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN</p> 	 <p>The lightning flash symbol with an arrowhead inside a triangle alerts the user about an uninsulated dangerous voltage that may be of sufficient magnitude to constitute a risk of electric shock.</p>
<p><b>CAUTION:</b> TO REDUCE THE RISK OF AN ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. FOR ANY REQUIRED SERVICING, PLEASE CONTACT QUALIFIED SERVICE PERSONNEL.</p>	 <p>The flash with the symbol of an exclamation point inside a triangle alerts the user about important operating and maintenance instructions related to the product.</p>

**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.

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

## Important safety instructions

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 damaged particularly at plugs, convenience receptacles, and at points in which they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
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.
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 when the power-supply cord or plug is damaged, when liquid has been spilled or when objects have fallen into the apparatus, or when the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



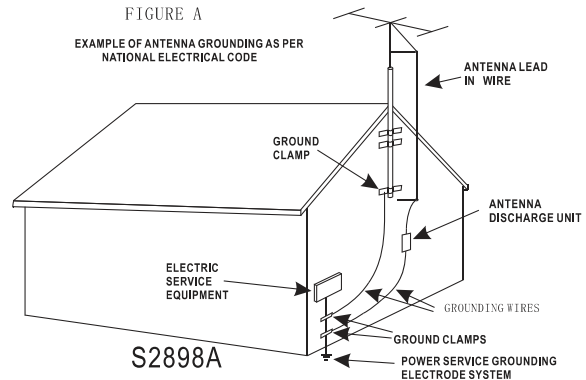
S3126A

## Important Information

**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 that the service technician uses replacement parts with the same characteristics as the original parts specified by the manufacturer. 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 should not be exposed to any dripping or splashing, and no objects filled with liquids (such as a vase) should be placed on the apparatus.

**26. WARNING:** Plug the power cord into a power outlet where access to a power cord connector is readily accessible, in case if the power needs to be immediately disconnected.

**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. (3) This device complies with Part 15 of the FCC rules. Operation is subject to the following two condition: (a) this device may not cause harmful interference, and (b) this device must accept any interference received, including interference that may cause undesired operation.

## Important to the user

1. This equipment has been tested and found to comply with the limits of a class B digital device, pursuant to part 15 of the FCC Rules.

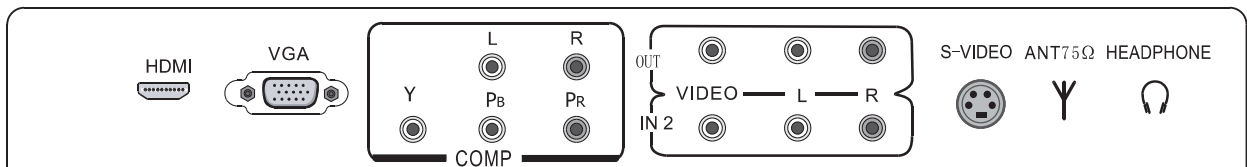
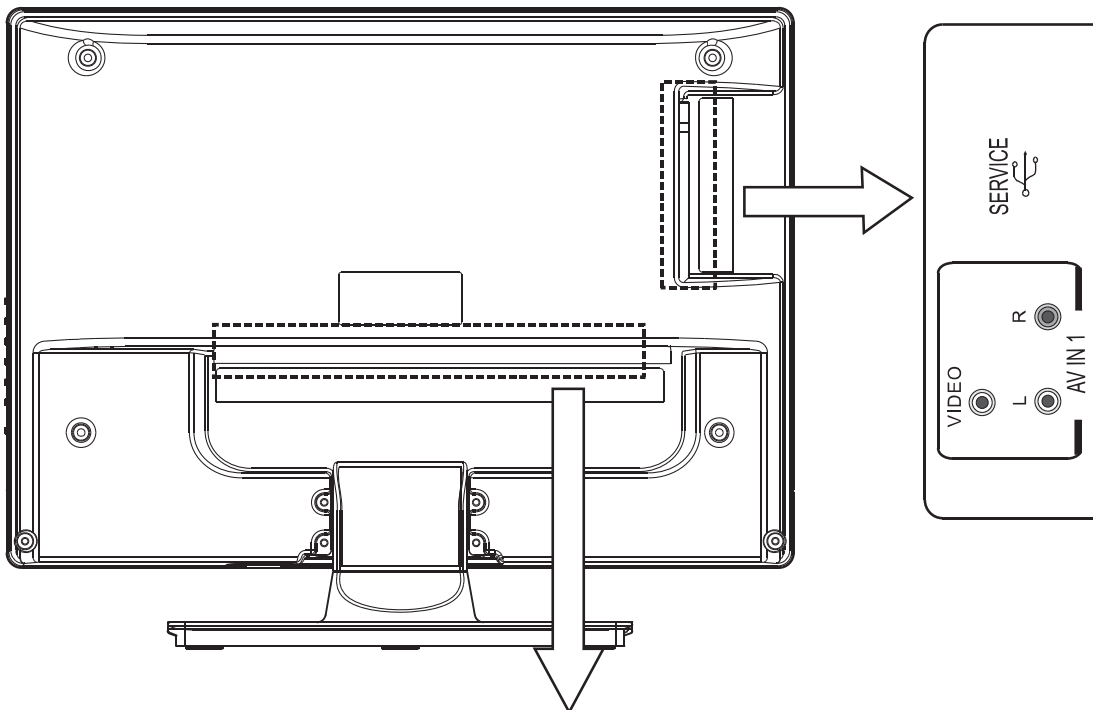
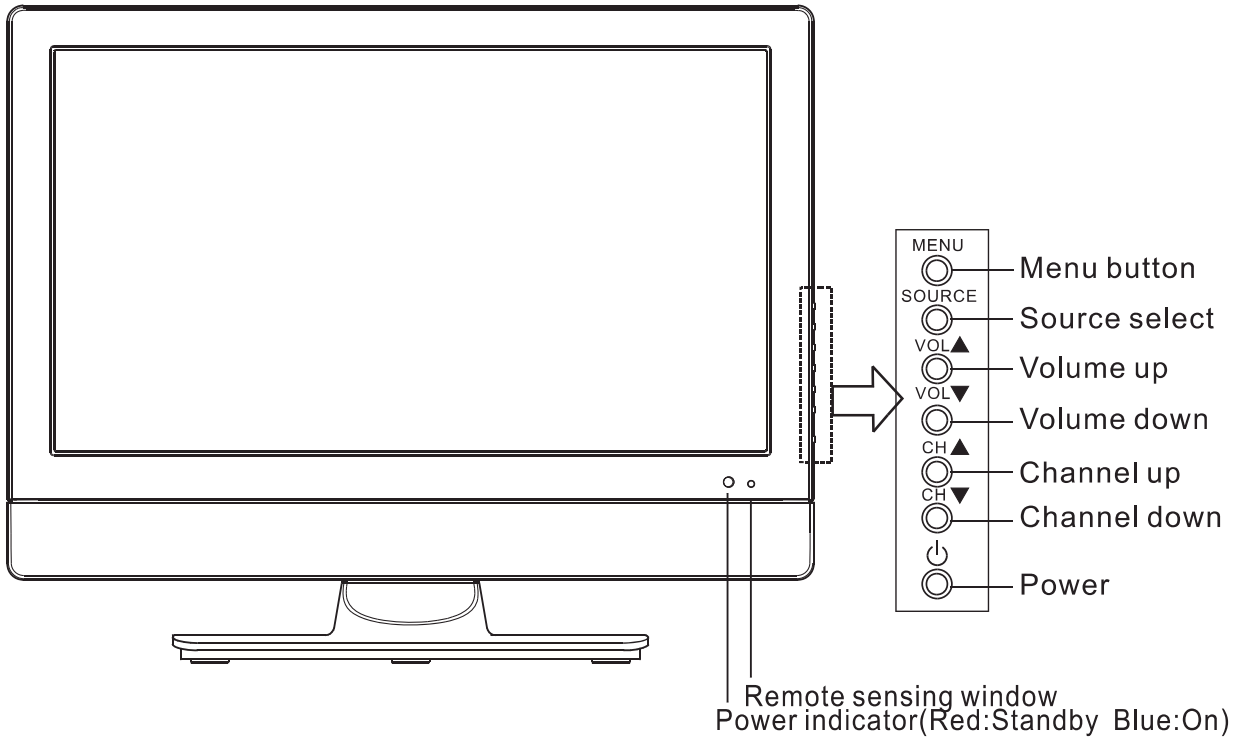
The limits are designed to provide reasonable protection against harmful interference in a residential installation.

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

1. Reorient/Relocate the receiving antenna.
  2. Increase the separation between the equipment and the receiver.
  3. Connect the equipment into an outlet on a circuit which is different from what the receiver is connected.
  4. Consult the dealer or an experienced radio/TV technician for help.
2. 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.
  3. 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 to operate the equipment.

## View the control panel and connection panel

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



## Connections to other devices

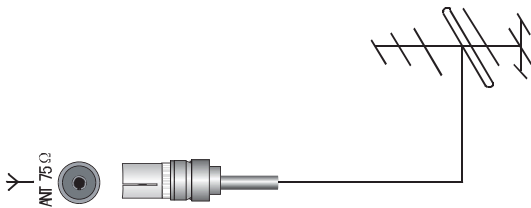
**Warning:** Before connecting the TV to any other electronic device, unplug the TV and electronic device AC cords from the AC input.

### Connecting the 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:

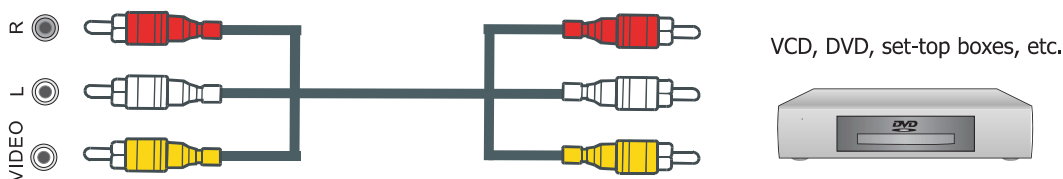
- When using the outdoor antenna, please unplug the cord of the indoor antenna ( if any ) from the antenna terminal outlet. It is recommended that coaxial cable (75Ω) be used to eliminate the interference caused by the mismatched impedance.
- The antenna cable should not be bound together with the power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



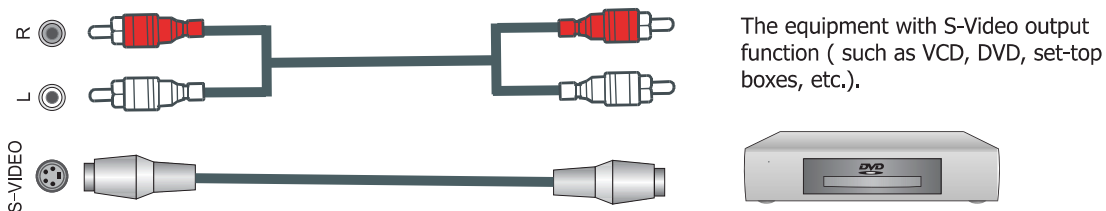
### How to connect the AV devices

The multimedia function of this unit makes it possible for the unit to be connected to more external devices. The above figures about how to connect the unit with other AV devices. After having been connected with various external devices, select the desired Source with the remote control to enjoy the wonderful display.

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



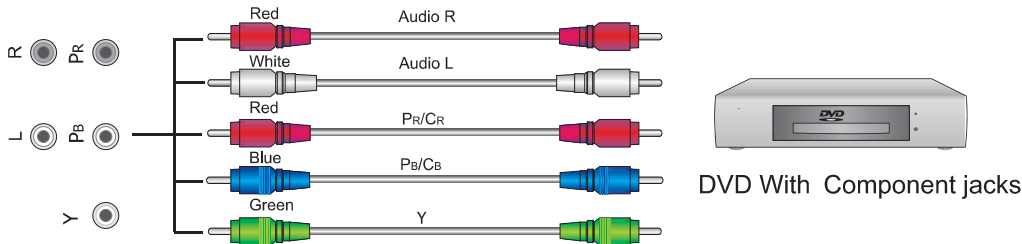
S-video transmits video in separate color and black-and-white image signals and delivers a sharper image than a composite video connection.





## Connections to other devices

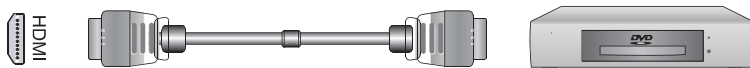
Component video(Y, Pb, Pr)transmits video as separate red, green and blue signals. Use this connection for high-definition video signals from a DVD or other equipment.



### Connecting the devices with HDMI interface

HDMI, which is also called "High Definition Multimedia Interface", is a newer generation interface that transmits digital AV signals via a single cable without compression. The difference between HDMI and DVI lies in that HDMI is equipped with HDCP( High-Bandwidth Digital Content Protection) encoding function with a comparatively smaller size, and supports multi-sound track digital audio at the same time.

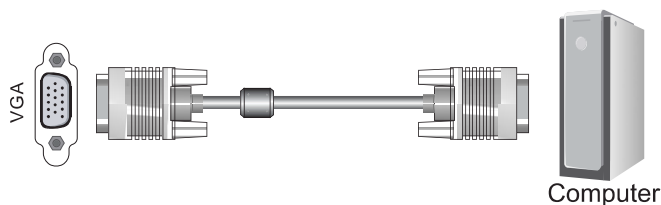
The HDMI interface can be connected to the equipment with HDMI output function ( such as DVD players, set-top boxes, etc.).



The equipment with HDMI output jack  
( such as DVD players, set-top boxes, etc.).

### The connection with PC

Thanks to the PC standard RGB interface with D-sub 15 pins, it is very easy for it to be connected with the PC. What you need to do is to insert the PC display card 15 pin output signal cord into the corresponding interface at the back of this unit.

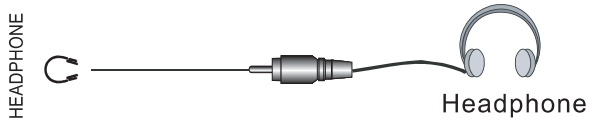


## Connections to other devices

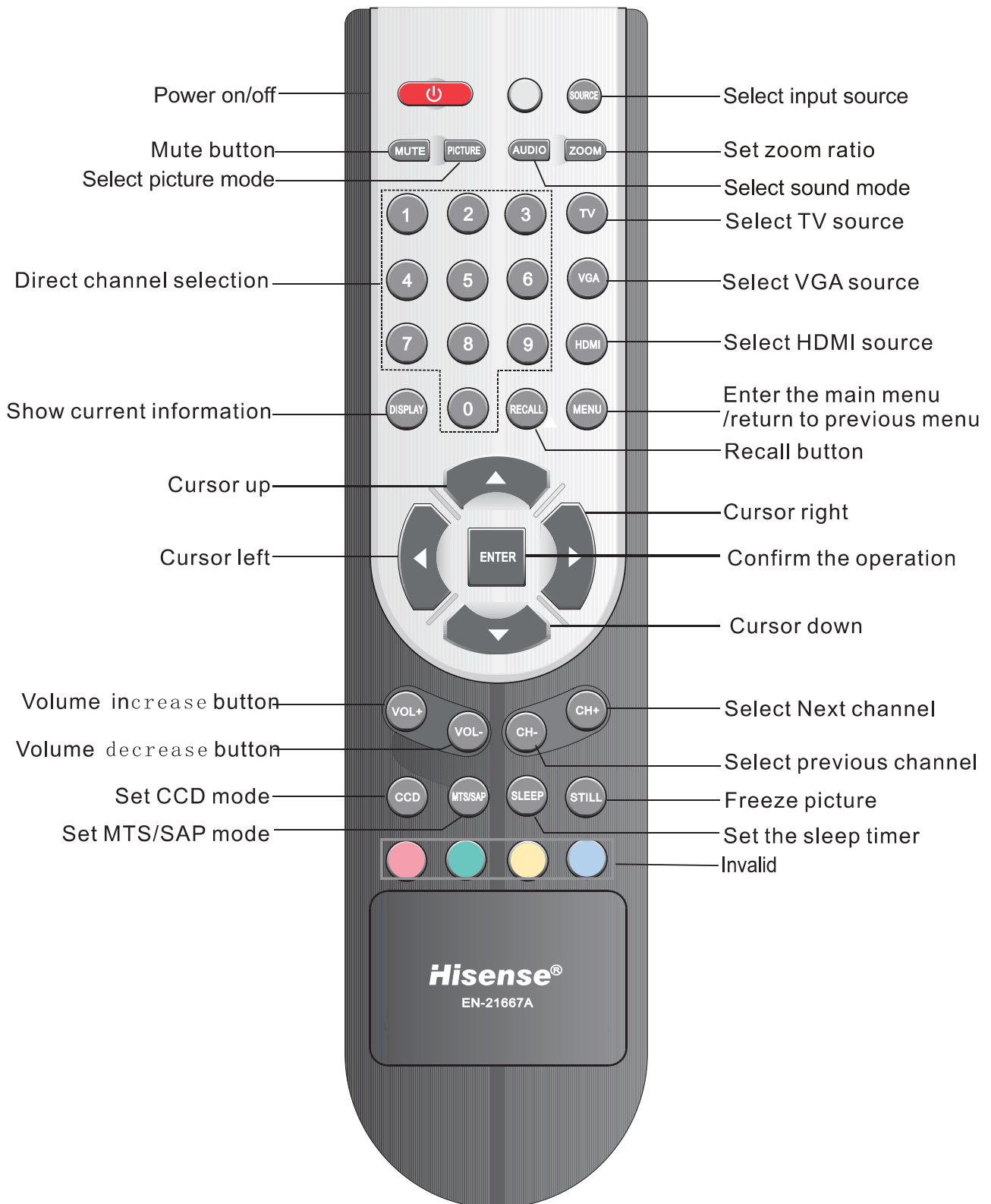
### Headphone connection

Connect the headphone jack of the TV set.

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



## View the remote control



**Note:**

1. The figures above are for reference only.
2. The VOL▲ /VOL▼/ CH▲ /CH▼ keys on TV set also have cursor right/cursor left/cursor up /cursor down function.