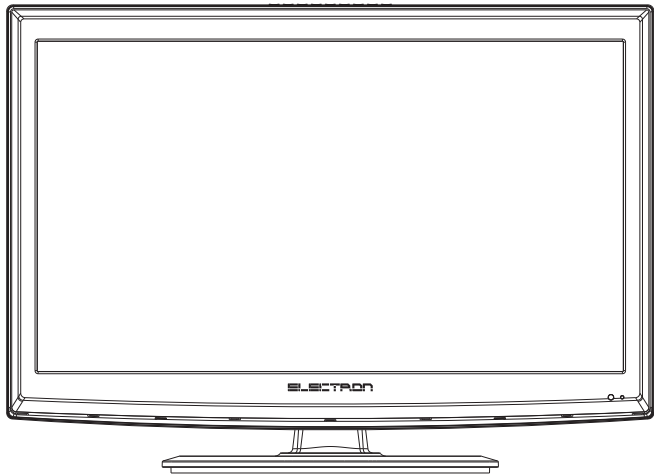


INSTRUCTION MANUAL

ELECTRON

LCD TV



LCD2400E

IMPORTANT

Please read this manual carefully before installing and operating the TV
Keep this manual handy for further reference

Table of Contents

Safety Information	2	OSD	12
Important Safety Precautions	3	Language	
Front/Back panel diagram	4	H-Position	
Remote Controller	5	V-Position	
Battery Installation		Duration	
Using the Remote Control		Halftone	
Install TV	6	MEM-RECALL	
Set your TV		CHANNEL	12
Connect Antenna and power		Auto Scan	
Turn On TV		Fine Tuning	
Systems Connection	7-9	Add/Erase	
AV Input		Source	
S-Video Input		PIP	12
PC Input		Multi Window	
HDMI Input		Sub Source	
Y Pb Pr Input		Size	
EARPHONE Output		Border Color	
PICTURE	10	Sound Source	
Picture Mode		Swap	
Contrast		PIP Position	
Brightness		GEOMETRY (PC)	13
HUE		Auto Adjust	
Saturation		H Position	
Sharpness		V Position	
Color Temp		Clock	
Scale Mode		Phase	
3D NR		SOURCE	14
MPGE NR		RESOLUTION	14
SOUND	10	NICAM (Optional)	14
Sound Mode		HELP	15
Bass		SPECIFICATIONS	16
Treble			
Balance			
AVC			
Audio only			
ADVANCE	10-11		
Sleep Timer			
TTX Language			
Auto Format			

Safety Information

CAUTION

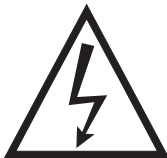
RISK OF ELECTRIC SHOCK
DO NOT OPEN

High voltages are used in the operation of this product. To reduce the risk of electric shock, Do not remove cover of the cabinet, refer servicing to qualified service personal

If the LCD TV for any changes or coarse adjustment, electric shocks to be hurt, Do not attempt to open a machine-maintenance, customer contact centres needed overhaul.



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.



Warning

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 to persons.

Important Safety Precautions

Read these instructions.
Keep these instructions.
Heed all warnings.
Follow all instructions.

Please refer to the specification sheet on page 16 for the character of this TV set. The 2-pin plug of this TV set can only fit the electrical outlet with earth. Do not break the earth pin of the plug, if the plug can not fit the electrical outlet, please turn to the professional for help.

Please unplug the TV power cord when the following conditions occur:

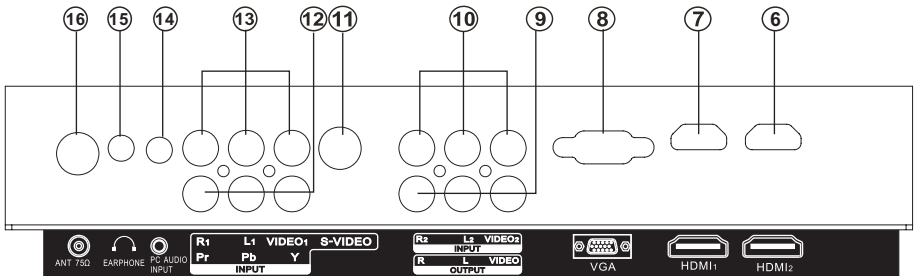
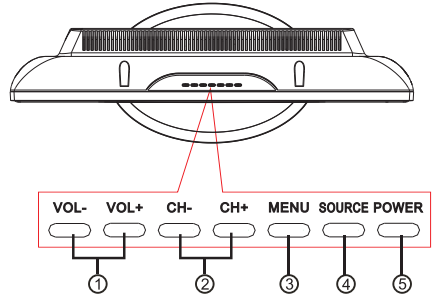
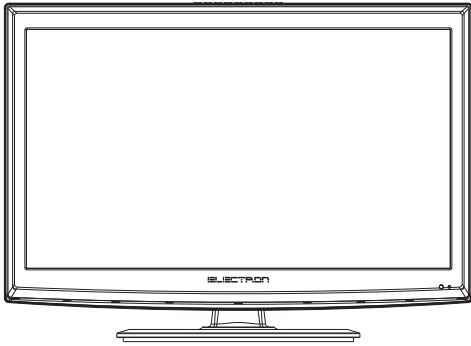
- When there is a thunder storm (Please pull out the power cord and antenna)
- When Cleaning the TV set
- When the TV set not used for a long time.

- Do not use corrosive depurative when cleaning the TV set.
- Do not put the TV set under direct sunlight or near to the heat.
- Do not put the naked light, for example, the lighting candle or the heater, on the top of or near to the TV set.

Leave plenty of space (at least 1.0cm) around the TV set for ventilation

- Put the TV set away from where it can be ruined by the rain or water, (for example, near the window.)
- Do not put the container with liquid (like a vase) on the top of the TV set.
- Don't move away the TV set when turning on the power.
- Don't touch, push and scratch the surface of TV set with hard stuff.
- When the TV surface is dirty, please use the wetting cotton cloth or soft cloth with non-corrosive cleanser to clean it carefully. Don't use the acetone, toluene or alcohol to clean the TV sets.
- Be careful of the hydrosphere coagulation due to the temperature changing. The coagulated hydrosphere will damage inner electronic components. When the coagulated hydrosphere disappears, the TV screen may appear blur or spot.
- Be sure to ask technicians to install the TV sets on the wall. The incorrect installations will put the TV sets into the unsafe situation.
- Don't let the children climb up the TV sets or play near it in order to avoid being spilled from the TV sets or the TV sets damaged the children when falling down.
- Don't hit the panel with hard objects (such as high-speed football or other objects) to prevent the panel from damages.
- Don't cover the TV sets with quilts or other objects when it is working. Keep the heats dissipate and keep away from the fire.

Front/Back panel diagram

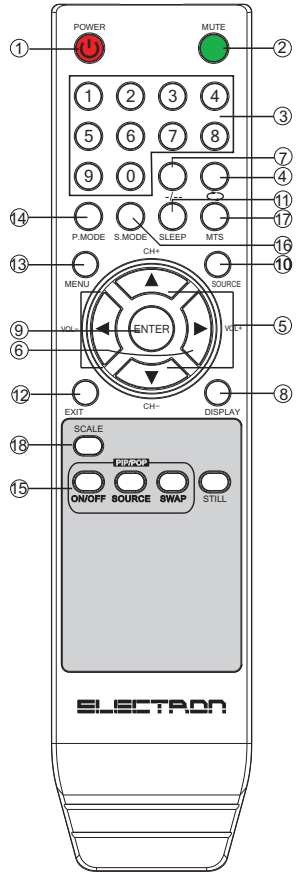


- 1.VOL+/- : Adjust Volume
- 2.CH+/-: Select channel
- 3.MENU : Into or exit from menu
(Use CH+/- button select item,
VOL+/- button adjust item)
- 4.SOURCE Source select
- 5.POWER : Turn on/off TV .
- 6.HDMI 2 Input.
- 7.HDMI 1 Input:Digital signal input
from HDMI video connector.
- 8.VGA Input.
- 9.AV output

- 10 . AV2 Input:External AV signal input and
relevant right/left sound channel inputs.
- 11.S-VIDEO Input:Color and brightness
difference components input.
- 12.Y Pb/Cb Pr/Cr:Color difference
components input and relevant
video input .
- 13.AV1 Input:External AV signal input and
relevant right/left sound channel inputs.
- 14.PC Audio Input
- 15.EARPHONE Output
- 16.ANT 75Ω

Remote Controller

1. **POWER** : Sets your TV to power on or standby mode.
2. **MUTE** : Press to mute the sound. Press again or press VOL+ to unmute.
3. **0-9** Press 0~9 to select a TV channel directly while watching TV. The channel will change after 2 seconds. Applicable for entering page number in teletext mode and so on.
4. **↶** : Return to the previously viewed program.
5. **CH +/-** : Press to scan through or to select a channel.
6. **V +/-** : Press to increase / decrease the sound level.
7. **- / -** Press this button to enter a program number for different digit. eg. - / - - / - - -
8. **DISPLAY** : Press to display the source and channel's info.
9. **(▲/▼/◀/▶/ENTER)**
Allows you to navigate the on-screen menus and adjust the system settings to your preference.
10. **SOURCE**: Press to list the source items.
11. **SLEEP**: Select amount of time before TV turn itself off automatically.
12. **EXIT**: Exits from the menu or sub-menu and menus and adjust the system settings to your preference.
13. **MENU** : Allows you to navigate the on-screen menus.
14. **P.MODE** : Press to cycle through the different picture settings
15. **PIP/POP** : (Optional)
NO/OFF: Press to On / Off the PIP function .
SOURCE: Press to cycle the PIP source
SWAP: PIP/main picture position swap
STILL: Window picture of the PIP Mode.
16. **S.MODE**: Press to cycle through the different sound settings.
17. **MTS** : Press to select the MTS mode. (for example, Nicam , BTSC, MONO, STEREO .eg)
18. **SCALE**: Press to switch the size of screen.



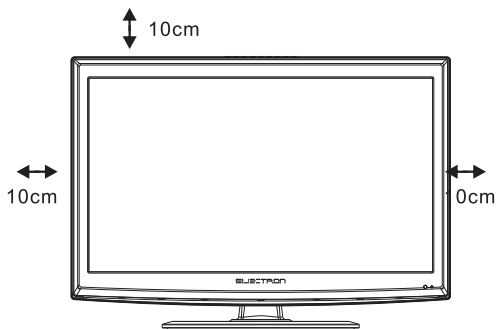
Battery Installation:

Remove the battery compartment lid on the rear of the remote control. Put two AAA batteries inside the battery compartment with their + and - ends aligned as indicated. Do not mix old and new batteries or different types of batteries. Replace the battery compartment lid. Slide the lid until you hear it click into place.

Using the Remote Control:

Unless stated otherwise, the remote control can operate all the features of the TV. Always point the remote control directly at the remote sensor in the front of the TV.

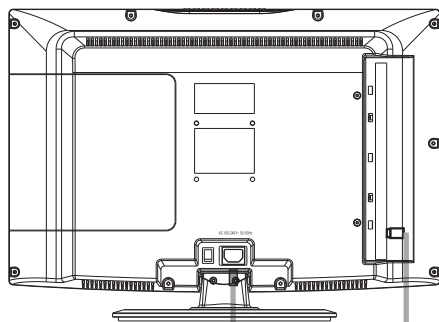
Install and connect TV



Set your TV

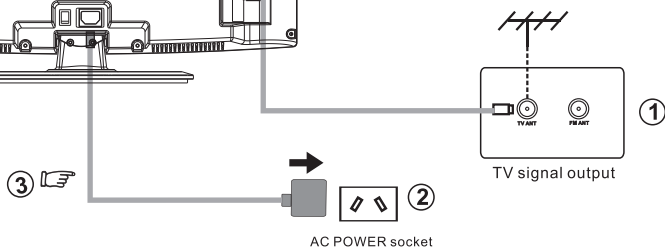
To put your TV in a firm place which can bear the weight of the TV.

To avoid danger, please don't expose the TV near water or heating place (such as light, candle, heating machine), do not block the ventilation at the back of TV.



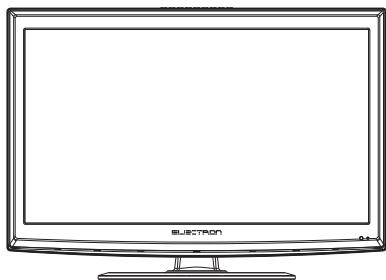
Connect Antenna and power

1. Connect the antenna cable to the antenna socket on the left side of the LCD TV and the your antenna socket.
2. To plug the power cord of TV (AC 100-240V~ 50/60Hz).



Turn On TV

4. Press the power button of the TV the indication light will turn to green. If the is in standby mode (the light is red), press the power button on the remote control or top of the TV.

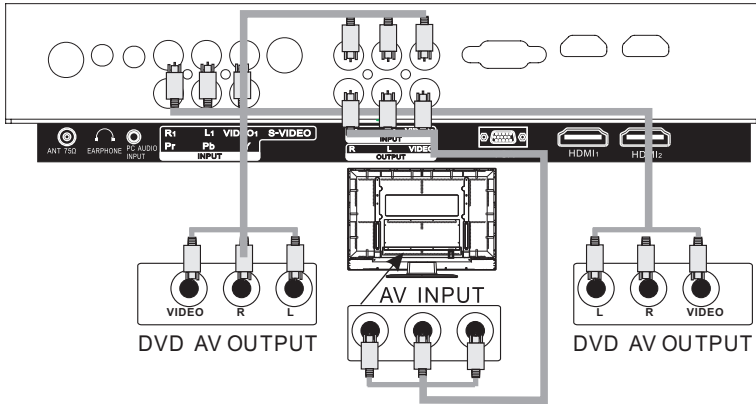


NOTE Picture for reference purposes only.

Systems Connection

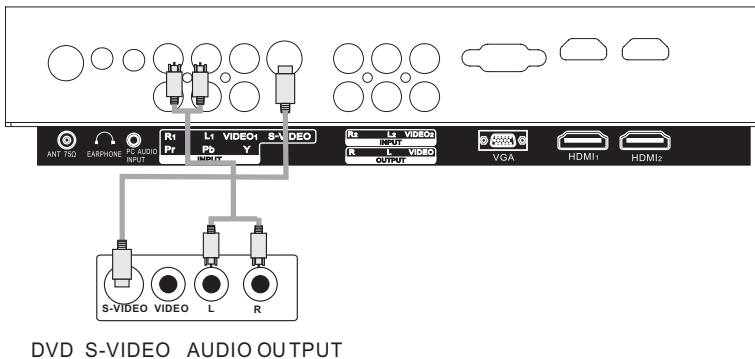
1. AV INPUT/OUTPUT

Video / Audio input, use the **SOURCE** button select **AV** on the remote control .



2. S-VIDEO INPUT

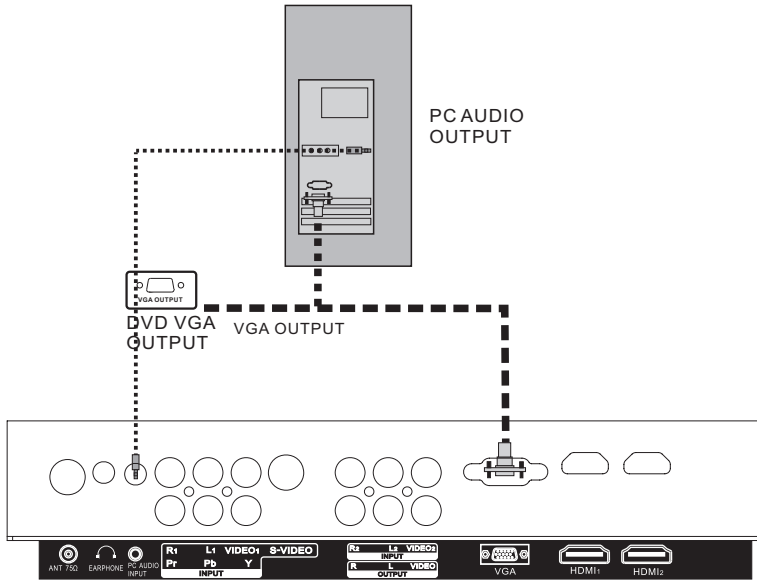
S-VIDEO input, use the **SOURCE** button select **S-VIDEO** on the remote control .



Systems Connection

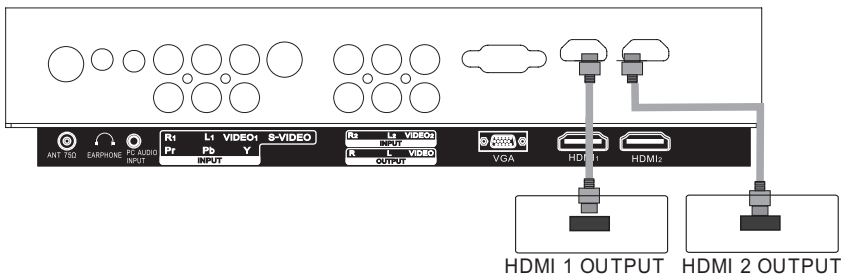
3.PC INPUT

PC (VGA) input, use the **SOURCE** button select **PC** on the remote control .



4.HDMI INPUT

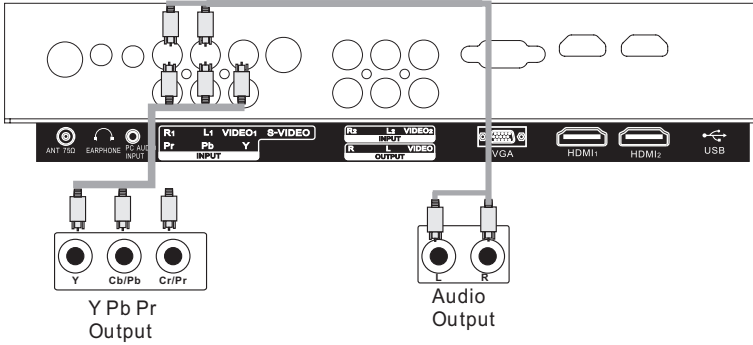
HDMI input, use the **SOURCE** button select **HDMI** on the remote control .



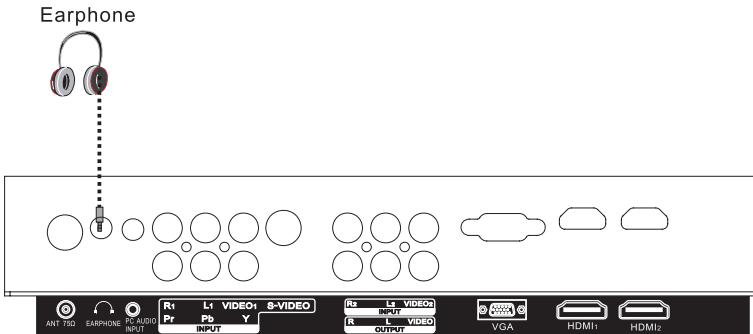
Systems Connection

5. Y Pb Pr Input

Y Pb Pr input, use the **SOURCE** button select **Y Pb Pr** on the remote control.



6. Earphone Output (optional)



PICTURE



Picture Mode: Select the picture mode.

Contrast: Adjust picture contrast.

Brightness: Adjust picture brightness.

Tint: Adjust NTSC colour signal.

Saturation: Adjust picture color.

Sharpness: Adjust picture sharpness.

Colour Temp: Adjust picture colour temp: cool, normal, warm mode.

Scale Mode: Select picture scale.

3D NR: 3D noise reduce, you can choose "Off, Low, Mid, High"

MPEG NR: MPEG noise reduce, you can choose "Off, Low, High"

SOUND



Bass: Adjust bass volume.

Treble: Adjust treble volume.

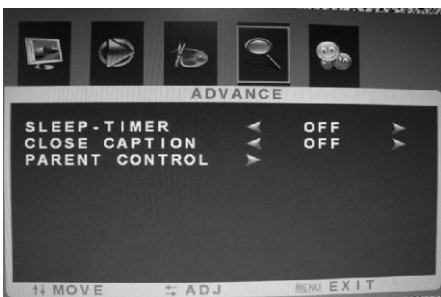
Balance: Adjust the balance of sound between left and right speakers.

Sound Mode: Select the sound mode. you can choose "Standard, User, Music, Movie."

AVC: Auto Volume control function on or off.

Audio only: Select to turn off the video picture, listen the audio only (Optional)

ADVANCE



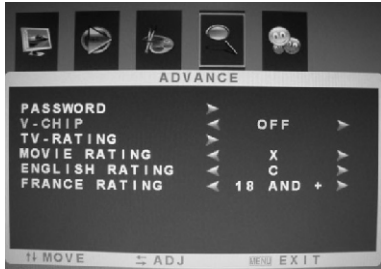
Sleep Timer: Select the sleep time to put automatically the TV in standby mode.

Timer can be selected as 5min/10min/15min/30min/45min/60min/Off. Also you can select the sleep time by pressing SLEEP button repeatedly on the remote control

CLOSE CAPTION: Select the caption and TEXT modes (CC1, CC2, CC3, CC4, TT1, TT2, TT3, TT4, OFF).

ADVANCE

PASSWAOD



PASSWORD: select this item to enter Change password menu.

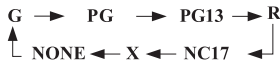
The originality passwor d is“0000”.

V-CHIP :switch between On and Off.

TV RATING: To enter TV Rating setting menu, You will see as following:

Items	Hint
TV-Y	Young children
TV-Y7	Children 7 and over
TV-G	General audience
TV-PG	Parental guidance
TV-14	Viewers 14 and over

.MOVIE RATING,You will see as following:



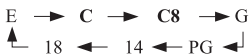
- G:** General audience (no restrictions).
- PG:** Parental guidance suggested.
- PG13:** Parents strongly cautioned.
- R:** Restricted. Children under 17 should be accompanied by an adult.
- NC17:** No children under age 17.
- X:** Adults only.
- NONE:** Not rated

FRENCH , You will see as following:



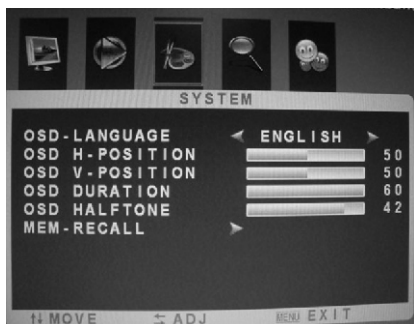
- E:** Exempt programming includes... news, programming, talk shows, music videos,
- G:** General programming.
- 8:** Not recommended for young children.
- 13:** Programming may not be suitable for.
- 16:** Programming is not suitable for children.
- 18:** Programming restricted to adults.

ENGLISH , You will see as following:



- E:** Exempt programming includes... programming, talk shows,
- C:** Programming intended
- C8:** Programming generally on their own.
- G:** General programming,
- PG:** Parental Guidance.
- 14:** Programming contains the age of 14.
- 18:** Adult programming.

OSD



language: Into OSD menu select OSD Language.

H-Position: Adjust the H Position of the OSD menu.

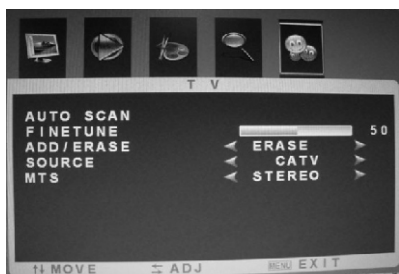
V- Position: Adjust the V Position of the OSD menu.

Duration: Adjust the duration of OSD menu.

Halftone: Adjust the halftone of OSD menu.

MEM-RECALL: Restored to the factory default state .

CHANNEL



Auto Scan: press "▼ / ▲" button to select this item then press **Enter/▶** button to enter the Auto Channel Search Program.

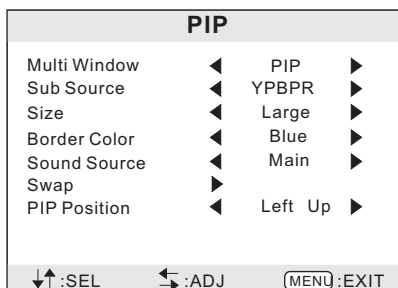
Fine Tuning: if there are something wrong with the quality of picture and sound of TV, press "◀ ▶" to fine tune the tuner frequency, you can get the correct picture and sound.

Add/Erase: Add/Erase the Tv channel.

Source: select tuning band mode(Available tuning band mode: Air/Cable)

MTS: : Press to select the MTS mode.(for example,Nicam , BTSC,MONO,STEREO .eg)

PIP(Optional)



Multi Window: Adjust PIP ,POP Full and Off

Sub Source: PIP input mode select.

Size: Adjust PIP picture size.

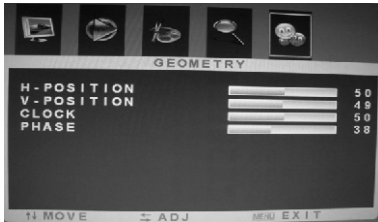
Border Color: Select PIP border color.

Sound Source: Select main picture or other input audio.

Swap: PIP / Main picture position swap.

PIP Position: Adjust PIP picture display position.

GEOMETRY



H Position: Adjust the H Position of the PC signal.

V Position: Adjust the V Position of the PC signal.

Clock: Adjust the clock of the PC signal.

Phase: Adjust the phase of the PC signal.

NOTE:

- The TV also can be used as computer monitor. Electromagnetic interference in the environment May appear slight diagonal line interference. But this does not affect the quality of TV.
- In order to obtain better quality, with a recommendation of the use of high quality high noise isolation filter Quality HDMI / VGA cables.

SOURCE

SOURCE
TV
AV
AV ₂
S-Video
Y Pb Pr
PC
HDMI
HDMI 2
↵:OK

- ① Press "SOURCE" button to display the source list;
- ② Press "▼ / ▲" button to select the "source" you want to watch;
- ③ Press "ENTER" button to enter the Input source ;

RESOLUTION

VGA

Resolution	640x480	800x600	1024x768	1360x768
Vertical frequency Hz	60/75	60/75	60/75	60

HD(Y Pb Pr)

Resolution	480i	480p	576i	576p	720p	1080i/p
Vertical frequency Hz	60	60	50	50	50/60	50/60

HDMI

Resolution	480i	480p	576i	576p	720p	1080i/p
Vertical frequency Hz	60	60	50	50	50/60	50/60

MTS (Optional)

Press the MTS button:

Usually set to **stereo** to provide the best reproduction, but if reception deteriorates or if the service is not Available then switch to Mono.

Mono (M1) and (M2) can also be selected if a mono signal is being transmitted.

HELP

No Power	Check the AC cord of TV is plus in or not. If still no power, please Pull out the plug and replug in after 60 seconds. And open the TV again.
Signal receive not properly	To cause double image or phantom if there has high building or high mountain round -TV. You can adjust image effect by manually operation: consult instruction of vernier regulation or change the direction of external antenna. If you use the indoor antenna . under certain circumstance, receive will be more difficult .So you can change the direction of the antenna to adjust the image effect . If can't change image receiving effect either , you have to use external antenna.
No picture	Check the antenna at the back of TV is connected properly or not. Try to select other channels and check whether the TV problem itself or not.
Video is ok ,but without audio	Increase the volume. Check the TV is in mute mode or not , and please press the mute button to make sound resume.
Audio is ok, but color error or no picture.	Increase contrast and brightness.
snow statics picture and noise	Check the antenna at the back of TV is connected or not .
Level broken line	Maybe has electrical appliance interfere, such as hair drier, vacuum cleaner and so on, please turn off these kinds of electrical appliance.
Dual-Image or "simulacrum" The TV no response with the Remote.	Perhaps the location for the antenna is not good. Use the tall beamed antenna can be improved quality of the display image. Operate the remote direct to the remote sensor on the TV. If still no response for the TV, please check if the plastic bag on the remote take or not. And check if the location for the battery is correct. Change the new battery. The TV will shift to the STAND BY if no response from the remote in the few minutes.
NO Video In. (PC Mode)	Please check if the display cable connect to the VGA correcte . Please check if there has the bend on the display cable.
Vertical twinkling (PC Mode)	Enter the main menu, Use the clock regulator for the Video display noise to eliminate the vertical line.
horizontal ripping (PC Mode)	Adjust the Audio sound horizontal in the main menu to clear the horizontal ripping line.
The screen is too bright or too dark (PC Mode)	Adjust the contrast ratio or brightness in the main menu.
PC Function no response	Check the computer setting in the state of compatible display resolution
Ripping line in RCA connecting	Please use good quality connecting cable.
Problem still exist	Unplug the power cable and wait for 30 seconds, then connect. If there is some problem with our TV, do not repair it by yourself, please contact with the customer service center.

Note: There will be complete picture and the brightness will come down if the TV is in the static picture for too long time, So please do not keep the TV in a state of same Menu or same picture that has much difference in brightness and contrast ratio for too long time.

SPECIFICATIONS

Screen Size	24"
Viewing angle	175° (Horizontal) / 175° (Vertical)
TV system	NTSC
Video system	PAL/NTSC
Preset Channels	1-200
Input/Output	TV, AV, S-Video, YPbPr, PC, HDMI
Speaker Output	8Ω 2X5W
Power requirement	AC 100--240V~, 50/60Hz
Power consumption	<60W
Accessories	User's manual Remote controller Power cord 2 x AAA Batteries

NOTE:

This user manual is for reference only. Specifications are subject to change without notice.