

# Haier®

## LED TV OWNER'S MANUAL

Please READ this manual carefully before operating your TV, and retain it for future reference.

# Haier

# Haier

**MODELS:**

HL19LE2  
HL22XLE2  
HL24XLE2

Haier



## **DIGITAL TELEVISION TRANSITION NOTICE**

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This device contains a digital television tuner, so it should receive digital over the air TV programming, with a suitable antenna, after the end of full-power analog TV broadcasting in the United States on June 12 2009. Some older television receivers, if they rely on a TV antenna, will need a TV Converter to receive over the air digital programming, but should continue to work as before for other purposes (e.g., for watching low-power TV stations still broadcasting in analog, watching pre-recorded movies, or playing video games).

For more information,  
call the FCC at 1-888-CALL-FCC (1-888-225-5322)  
or see [www.DTV.gov](http://www.DTV.gov).

For information on the TV Converter program, and on government coupons that may be used toward the purchase of one, see [www.dtv2009.gov](http://www.dtv2009.gov),  
or call the NTIA at 1-888-DTV-2009.

## **AVISO RELATIVO A LA TRANSICIÓN A TELEVISIÓN DIGITAL**

Este equipo incorpora un sintonizador de televisión digital, lo que le permitirá recibir una programación digital televisada por aire, con una antena adecuada, cuando se terminará la transmisión de alta potencia de la televisión analógica en los Estados Unidos el 12 de Junio de 2009. Ciertos receptores de televisión antiguos, si dependen de una antena de TV, necesitarán un conversor de TV para recibir por el aire una programación digital, pero seguirán funcionando como antes para otros usos (por ejemplo para ver emisoras de TV de baja potencia que todavía transmiten en analógico, para ver películas pregrabadas, o para utilizar sus videojuegos).

Para obtener más información,  
llame FCC 1-888-CALL-FCC (1-888-225-5322)  
o refiérase a [www.DTV.gov](http://www.DTV.gov).

Para toda información sobre el programa de conversores de TV, y acerca de los cupones del gobierno que se pueden usar para comprarlos, refiérase a [www.dtv2009.gov](http://www.dtv2009.gov),  
o llame al NTIA al 1-888-DTV-2009.

SYMBOL	SYMBOL DEFINITION
 <p data-bbox="152 295 244 320">SA 1965</p>	<p data-bbox="297 170 1251 349"><b>DANGEROUS VOLTAGE:</b> 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 electrical shock to persons.</p>
 <p data-bbox="152 475 244 500">SA 1966</p>	<p data-bbox="297 384 1251 494"><b>INSTRUCTIONS:</b> The exclamation point within on equilateral triangle to alert the user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the appliance.</p>

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

CAUTION - Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

### **Batteries installed warning**

CAUTION - Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

The batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

## FOR YOUR SAFETY

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Before operating the TV please read this manual thoroughly. This manual should be retained for future reference.

### FCC Class B Radio Frequency Interference Statement

#### **WARNING:**

#### **(FOR FCC CERTIFIED MODELS)**

**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:

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

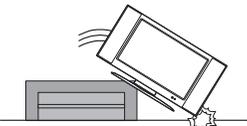
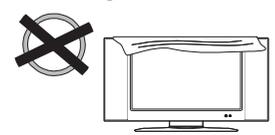
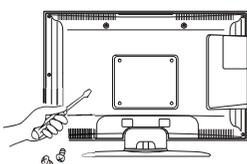
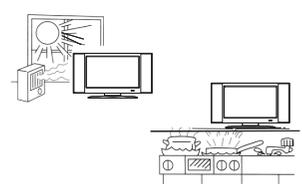
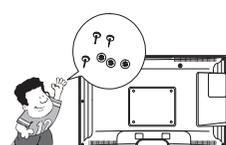
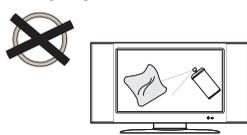
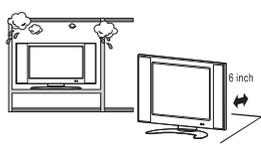
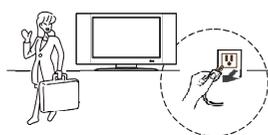
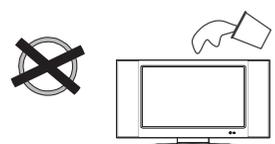
#### **NOTICE**

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.
3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference.

#### **WARNING:**

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture

# PRECAUTIONS AND REMINDERS

<p>Place unit on even surfaces.</p> 	<p>Unplug immediately if other foreign materials are put inside TV box or if the TV fell down.</p> 	<p>Do not cover or block any vents and openings. Inadequate ventilation may shorten the life of the display unit and cause overheating.</p> 
<p>Unplug immediately if there is a malfunction like no picture, no video/audio, smoke and bad odor from TV.</p> 	<p>Prohibit/Avoid opening TV cabinet.</p> 	<p>Avoid direct sunlight, dusty, high humidity and smoky areas.</p> 
<p>Don't throw any object inside the TV box like metals or other flammable materials.</p> 	<p>Remember to unplug the AC cord from the AC outlet before cleaning. Do not use liquid cleaners or aerosol cleaners to clean the display.</p> 	<p>Call service personnel to clean the internal part of the TV once a year.</p> 
<p>Don't place the TV in confined spaces or in a box when using it.</p> 	<p>Make sure to unplug the unit when not in use for a long period of time (days).</p> 	<p>Do not place the display near water, such as bathtub, washbasin, kitchen sink laundry tub, swimming pool or in a damp basement.</p> 

## Notice for Remote Controller

<p>Avoid Dropping</p> 	<p>Avoid Liquids</p> 	<p>Avoid Aerosol Cleaners</p> 
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# IMPORTANT SAFETY INSTRUCTIONS

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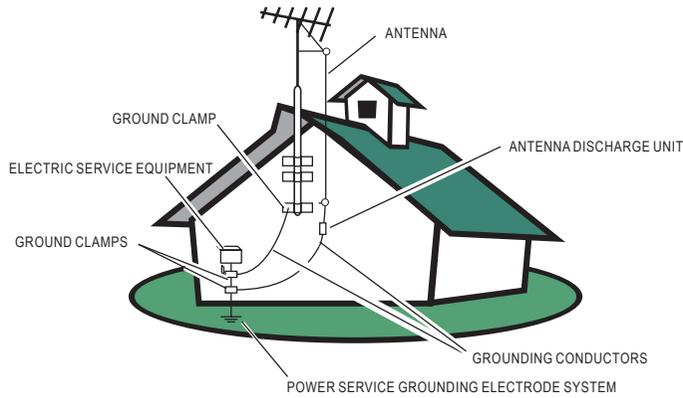
## Read before operating equipment

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 a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
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 manufacturer.
12. Use only with a 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 power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The TV should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
16. The Class I apparatus shall be connected to a mains socket outlet with a protective earthing connection.
17. The mains plug or appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

18. An all-pole MAINS SWITCH is used as the disconnect device, the switch shall remain readily operable.
19. CAUTION – These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
20. Wall Mount Bracket – For use only with UL Listed Wall Mount Bracket with minimum weight/load: Please see page 27.
21. CONSUMER ALERT – This television receiver has only an analog broadcast tuner and will require a converter box after June 12 2009, to receive over-the-air broadcasts with an antenna because of the Nation's transition to digital broadcasting. Analog-only TVs should continue to work as before with cable and satellite TV services, gaming consoles, VCRs, DVD players, and similar products, For more information, call the Federal Communications Commission at 1-888-225-5322 (TTY: 1-888-835-5322) or visit the Commission's digital television website at: [www.DTV.gov](http://www.DTV.gov).  
 Information about the DTV transition –after June 12 2009, a television receiver with only an analog broadcast tuner will require a converter box to receive full power over the- air broadcasts with an antenna because of the Nation's transition to digital broadcasting. Analog-only TVs should continue to work as before to receiver low power, Class A or translator television stations an with cable and satellite TV services, gaming consoles, VCRs, DVD players, and similar products. For more information about the DTV transition is available from <http://www.DTV.gov> or 1-888-CALL-FCC, and from <http://www.dtv2009.gov> or 1-888-DTV-2009 for information about subsidized coupons for digital-to-analog converter boxed.
22. Tilt/Stability – All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinets design.
  - Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet, which could ultimately overturn the product.
  - Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
23. Wall or Ceiling Mounting – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
24. Power Lines – An outdoor antenna should be located away from power lines.
25. Outdoor Antenna Grounding – If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mats and supporting structure grounding of the lead-in wire to an antenna-discharge unit, size of grounding connectors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure below.



### EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the 6 English grounding system of the building, as close to the point of cable entry as practical. Please, make sure to connect the power plug to the wall outlet socket after connecting the TV to the adapter!

26. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
27. Warning statement indicating that Class I apparatus shall be connected to a mains socket outlet with a protective earthing connection.
28. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
29. Statement indicating that when the mains plug or appliance coupler shall remain readily operable.
30. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
31. Where an all-pole MAINS SWITCH is used as the disconnect device, the location on the apparatus and the function of the switch shall be described, and the switch shall remain readily operable.



Energy Star 4.0 compliant

By being Energy Star compliant you are assured that your Haier model is helping the environment by using less energy while saving you money. ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy promoting energy efficiency.

# SAVE THESE INSTRUCTIONS

Thank you for purchasing the Haier product. This easy-to-use manual will guide you in getting the best use of your product. Remember to record the model and serial number. They are on the label on the back of the unit.

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Model number

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Serial number

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Date of purchase

Staple your receipt to your manual. You will need it to obtain warranty service.

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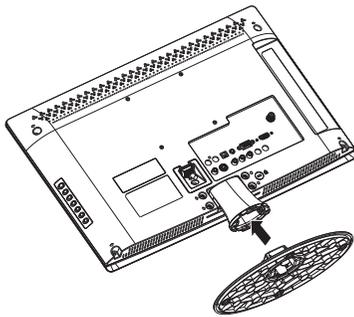
## PREPARATION

**IMPORTANT:** Do not apply pressure to the screen display area which may compromise the integrity of the display. The manufacturer's warranty does not cover user abuse or improper installations.

### ATTACHING THE BASE

**IMPORTANT:** The Base of the HDTV must be assembled prior to usage.

1. Place TV unit face down on a soft and flat surface (blanket, foam, cloth, etc.) to prevent any damage to the HDTV.
2. Carefully align and insert the Base to the stand.
3. Gently push the Base towards the HDTV until the locking mechanism locks into place.



### PREPARING YOUR LCD HDTV FOR WALL MOUNTING

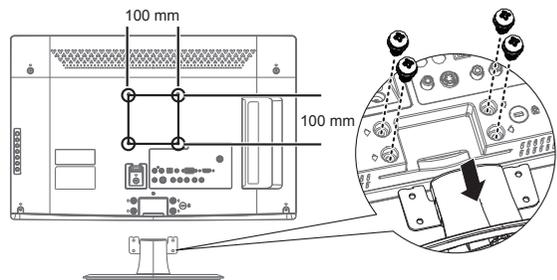
We suggest that you keep your TV at least 2.36 inches (60 mm) from the wall to prevent cable interference.

Before mounting your TV on the wall, you need to remove the base.

For your safety, please use only with UL listed wall mount bracket with minimum weight of the TV without stand. (Please see page 27.)

To attach a wall mount bracket to your TV:

1. Remove the screws holding your TV to the stand.
2. Remove the stand base from your TV.
3. Secure the wall mount bracket to the back of your TV using four M4 screws, as indicated in the illustration.

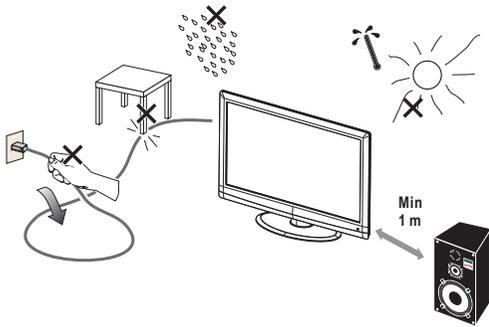


#### NOTE

- The wall mount bracket and the screws are not included.

Please make sure to connect the power plug to the wall outlet socket after connecting the TV to the power cord!

**1. Install the base stand; place the TV on a solid surface.**

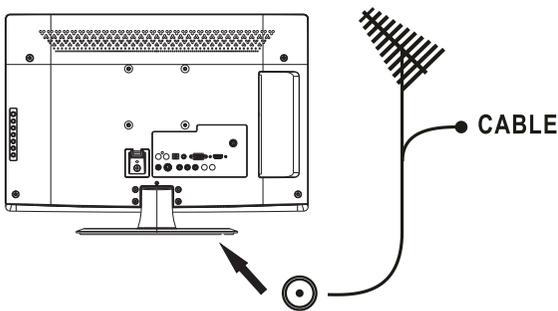


Ensure that the TV is placed in a position to allow free flow of air. Do not cover the ventilation openings on the back cover.

To prevent any unsafe situations, no naked flame sources, such as lighted candles, should be placed on or in the vicinity.

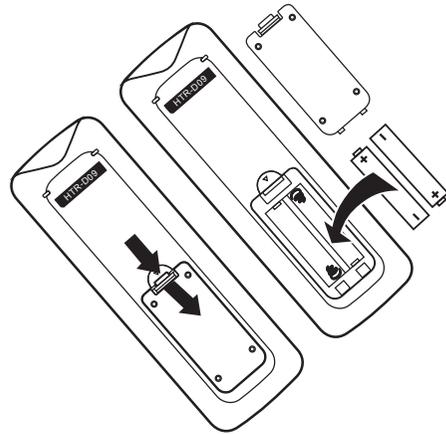
Avoid heat, direct sunlight and exposure to rain or water. The equipment shall not be exposed to dripping or splashing.

**2. Connect the antenna cable or CATV cable to the aerial socket ANT IN 75Ω at the back of the TV set.**



**3. Remote control:**

Remove the cover of the battery compartment. Insert the 2 batteries supplied (Type AAA 1.5V).

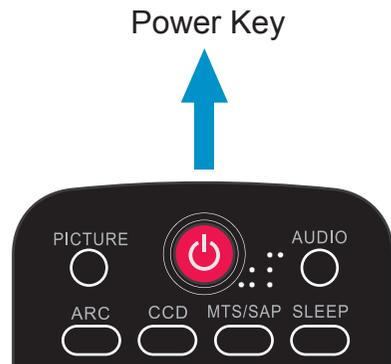


**4. Power:**

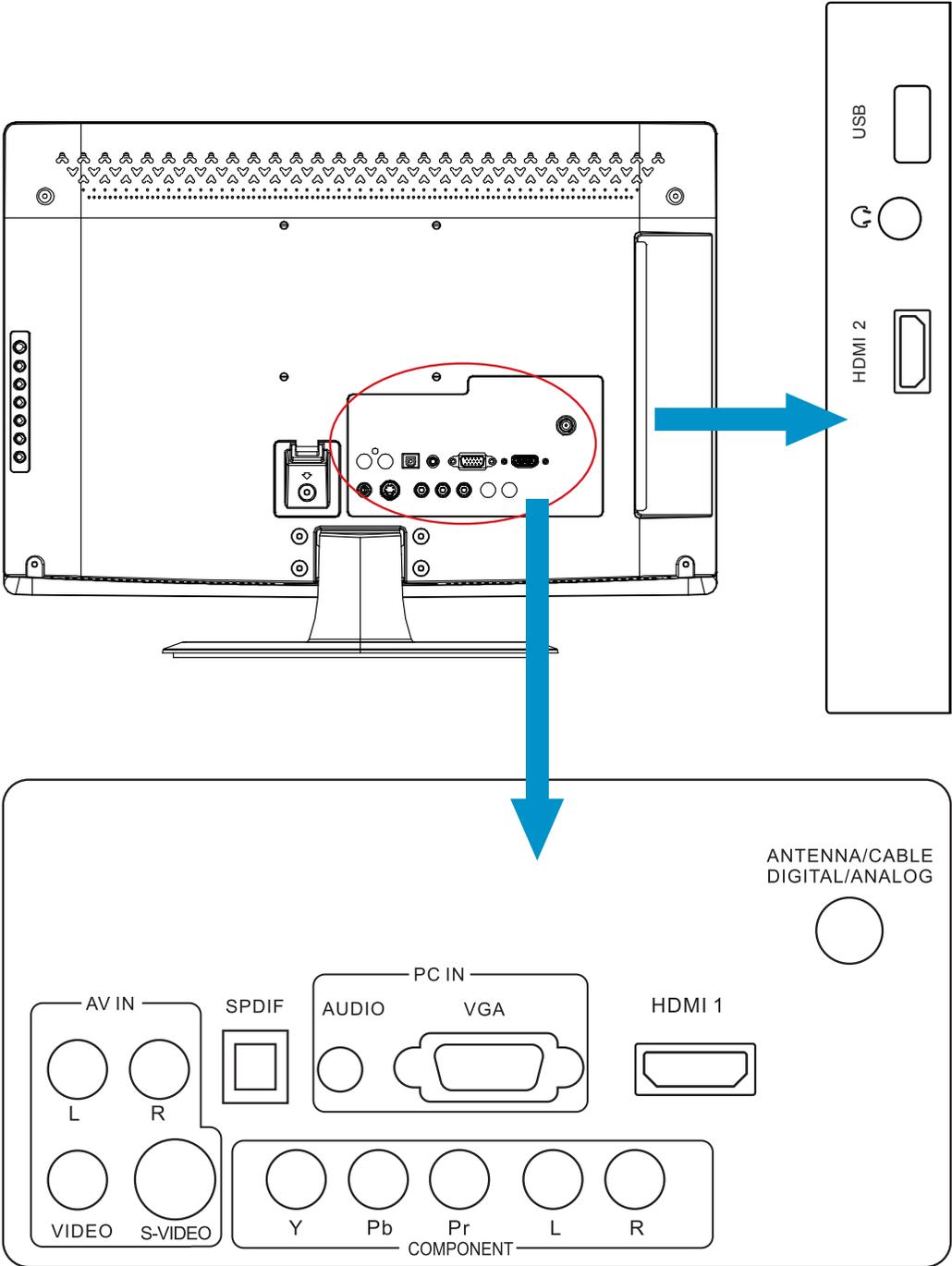
Insert the power cord in the wall socket with AC power supply.

**5. Turn the TV on:**

Press the Power key on the remote control or the side panel control knobs. The TV will be turned on in a minute with display on the screen.



# PERIPHERAL CONNECTION GUIDE

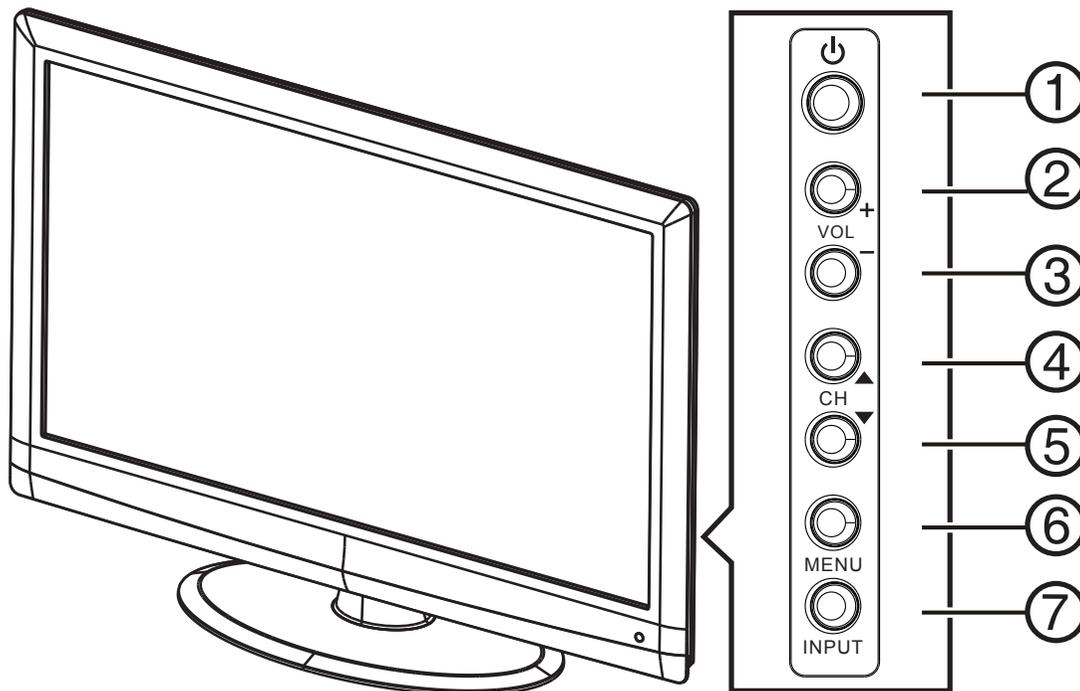


1. **HDMI** – Connect the primary source for digital video such as a DVD multimedia player or set top box through this all digital connector.
2. **PC IN** – Connect the video and audio cables from a computer here.
3. **AV IN (AV/S-VIDEO)** – Connect the input source for composite video devices, such as a VCR or video game. Use the white and red connectors to connect the external audio from the same source. The signal being carried by the S-Video cable and connector, if connected, will take priority over the Video RCA connector (yellow connector).
4. **COMPONENT (Y/Pb/Pr with Audio L/R)** – Connect the primary source for component video devices such as a DVD Player or set top box here. Use red for Pr, blue for Pb, green for Y, red for right audio (R) and white for left audio (L) inputs.
5. **ANTENNA/CABLE DIGITAL/ANALOG** – Connect to an antenna or digital cable (out-of-the-wall, not from Cable Box) for Digital TV.
6. **SPDIF (Optical Digital Audio Out)** – When a digital audio signal is associated with the input selected for viewing, the digital audio will be available on this SPDIF connection to your home theater system.
7. **USB PORT** – Insert USB storage device to the USB port to view JPEG photos, listen to MP3 music, or to run the [Time Shift] function. (Please refer to page 22~24 for more information.)
8. **Earphone Output** – Connect to the headphones. When the headphone is inserted to the plug, all the speakers will be muted.

Once your equipment is connected, use the following procedure to view the input signal: Press the INPUT button on the remote control to select the relevant source to view. (ex: Press INPUT button to select “Component” if you have connected a video recorder to the Component input.)

# OPERATING INSTRUCTIONS

## TO USE THE BACK PANEL CONTROL



1.	POWER	Press to turn on / off (standby) the TV set.
2.	VOL +	Press to increase the volume.
3.	VOL -	Press to decrease the volume.
4.	CH ▲	Press to increase the channel number.
5.	CH ▼	Press to decrease the channel number.
6.	MENU	Press to open or exit the OSD (on-screen display) menu.
7.	INPUT	Press to select the input source.

## TO USE THE REMOTE CONTROL

### Power

Press to power ON/OFF (standby) TV. Note: The TV is never completely powered off unless physically unplugged.

### PICTURE

Provide video modes switching.

### AUDIO

Provide audio modes switching.

### ARC

Press to choose the display aspect as: Normal, Zoom1, Wide, Zoom2, or HDMI PC mode.

### CCD

Press repeatedly to change the closed caption type as CC On/CC Off/CC On with mute.

### MTS/SAP

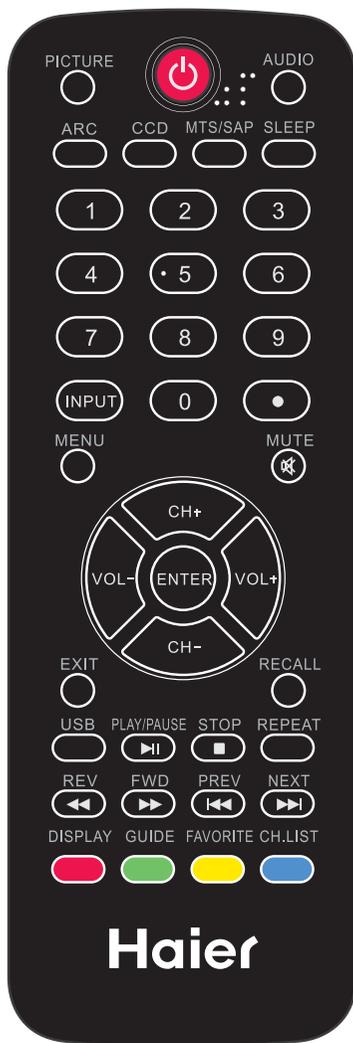
Press to activate the NTSC TV sounds. (Switch Stereo, SAP or Mono tone for ATV / switch audio languages for DTV.)

### SLEEP

Press to set the preset time to switch the TV to standby mode automatically (off / 5 / 10 / 15 / 30 / 60 / 90 / 120 / 180 / 240 mins).

### 0 ~ 9 / • number

Press to enter TV channel number to select channel (Press "•" to choose the sub-channel).



### INPUT

Press "INPUT" to open or toggle source item in Input List.

### MENU

Press to open or exit menu.

### MUTE

Switch the sound on/off.

### CH+ / CH -

- Menu is displayed: Press CH+ or CH- to navigate up or down.
- Menu not displayed: Press CH+ or CH- to browse through the TV channels.

### VOL+ / VOL-

- Menu is displayed: Press VOL+ or VOL- to navigate right or left.
- Menu not displayed: Press VOL+ or VOL- to adjust volume.

### ENTER

Press to confirm a selection.

### EXIT

Press to exit menu or OSD.

### RECALL

Press to display the previous channel.

### DISPLAY

Press to show the information about the input source, TV channel, display resolution and current time.

### GUIDE

Press to display the Electronic Program Guide.

### FAVORITE

Press "FAVORITE" to open or toggle channel item in Favorite Channel List.

### CH.LIST

Press to display the channel list.

For Multimedia use only.

## **USB**

- For non JPEG/MP3 mode:  
Press to display "Multimedia List" menu.
- For JPEG/MP3 mode:  
Press to toggle MP3/JPEG mode.

## **PLAY/PAUSE ▶||**

Press to toggle Play/Pause function in Multimedia source.

## **STOP ■**

Press to Stop playing in Multimedia source.

## **REPEAT**

Press to toggle Repeat On/Off mode in MP3 MusicBox.

## **REV ◀◀**

Press to go to the Last folder / photo in JPEG Viewer. Press to work as "PREV" key in MP3 MusicBox.

## **FWD ▶▶**

Press to go to the Next folder / photo in JPEG Viewer. Press to work as "NEXT" key in MP3 MusicBox.

## **PREV ◀◀**

Press to go to the First folder / photo in JPEG Viewer.

## **NEXT ▶▶**

Press to go to the Final folder / photo in JPEG Viewer.

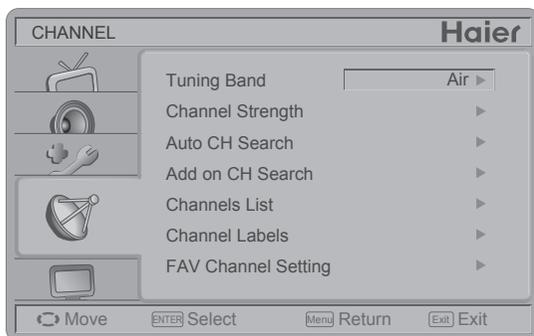
## TO USE THE MENUS

1. Press the **Menu** button to display or close the main menu.
2. Use the **Navigation Ring** to move around to select, adjust or confirm an item in the OSD (On Screen Display) menu.

Press the **Menu** button to enter the main OSD. Adjust the items including **Video menu, Audio menu, Feature menu, Channel menu, and VGA menu**. However, some function items in the menus may only be enabled in the particular source modes.

## CHANNEL MENU

The Channel menu in TV mode shows as below.

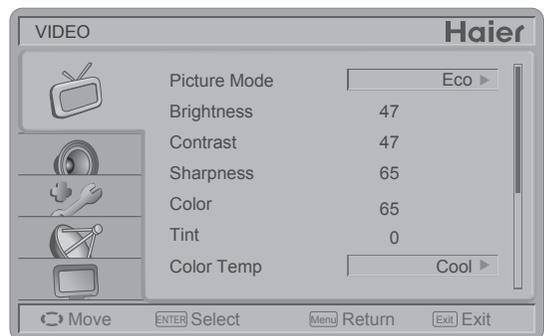


1. **Tuning Band:** Select TV source signal from the Air (antenna) or Cable (CATV).
2. **Channel Strength:** Show the intensity of the received DTV signal.
3. **Auto CH Search:** Automatically scan all NTSC / ATSC TV channels and then store in the channel table. In channel scan process, the OSD can display the number of channels which had been found.
4. **Add on CH Search:** Add channels which are new found.

5. **Channel List:** Show the Channel List. User can edit (Shown/Hidden) the channel items or switch directly to the selected channel.
6. **Channel Labels:** Show the NTSC / ATSC TV Channel Labels menu for user modifying channel labels specifically.
7. **FAV Channel Setting:** Show the Favorite Channel List. User can edit (add/delete) the favorite channels.

## VIDEO MENU

The Video menu in most source modes shows as below. It provides several video adjustment items for user fine tuning the video display. Only in VGA source mode, the Picture menu simply provides **Picture mode, Brightness, Contrast, Color Temp, Noise Reduction, Backlight, Aspect Ratio, and Preset** items.

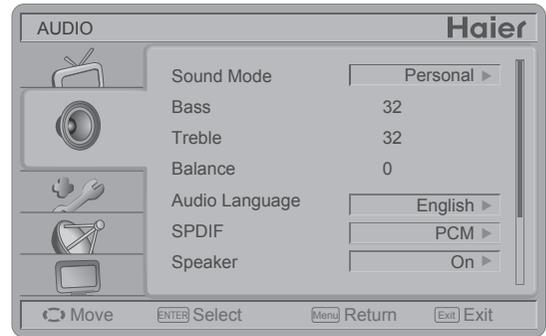


1. **Picture Mode:** Adjust the best picture appearance from selecting the preset value of Vivid, Standard, Eco, Movie, or Personal.
2. **Brightness:** Video brightness adjustment, the tuning range is 0 ~ 100.
3. **Contrast:** Video contrast adjustment, the tuning range is 0 ~ 100.

4. **Sharpness:** Video sharpness adjustment, the tuning range is 0 ~ 100.
5. **Color:** Video color chroma adjustment, the tuning range is 0 ~ 100.
6. **Tint:** Video tint adjustment, the tuning range is R50 ~ G50.
7. **Color Temp:** Three color temperature modes. (Cool / Normal / Warm)
8. **Noise Reduction:** Gives four NR effect degrees, such as: Low, Mid, High and Off.
9. **Adaptive Contrast:** Choose On or Off to adjust the gamma after analyzing the input signal automatically.
10. **DCR:** Choose On or Off to auto adjust the backlight of the screen.
11. **Backlight:** Backlight strength adjustment, the tuning range is 0 ~ 30.
12. **Aspect Ratio:** Choose the display aspect: Normal / Zoom1 / Wide / Zoom2 / HDMI PC mode (for HDMI 480i/480p/720p/1080i/1080p).
13. **Preset:** Restore the default video settings.

## AUDIO MENU

The Audio menu in TV mode shows as below. It provides audio adjustment for user to modify the audio setting. Audio language setting is only available with ATSC TV source, the option is disable under other source modes.

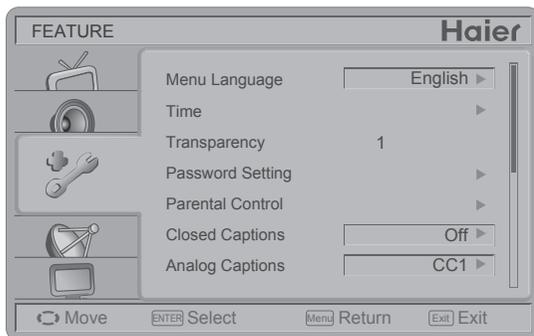


1. **Sound Mode:** Choose the audio mode: Personal, Music, or Speech.
2. **Bass:** Bass tone adjustment, the tuning range is 0 ~ 63.
3. **Treble:** Treble tone adjustment, the tuning range is 0 ~ 63.
4. **Balance:** Audio balance adjustment, the tuning range is L50 ~ R50.
5. **Audio Source:** Select the audio source from Stereo, SAP or Mono. (This function works in ATV only.)
6. **Audio Language:** Change the audio language setting on ATSC TV programs. The number of the supported audio languages depends on the ATSC TV programs. (English / Spanish / French)
7. **SPDIF:** Digital audio output format. Select from RAW and PCM. (This function works in DTV only.)

8. **Speaker:** Choose to turn on / off the TV internal speaker. The digital audio output signals and earphone output signals will not be turned off even though the TV speaker is off. The default setting is On.
9. **AVL:** Choose On or Off to adjust volume to be consistent across programs and channels automatically.
10. **Preset:** Restore the default audio settings.

## FEATURE MENU

The Feature menu is shown below. This menu contains options to set the language, time, and other settings. Depending on the current mode (TV, HDMI, etc.), some options may not be available.

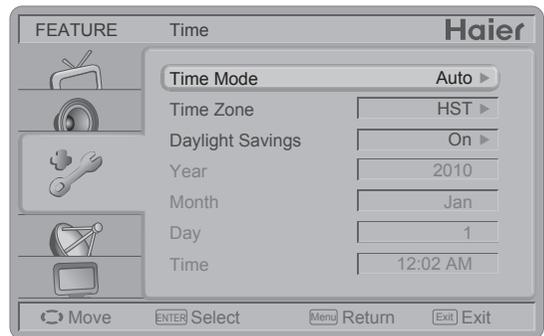


1. **Menu Language:** Select the menu display language. (English / Français / Español)
2. **Time:** Set current time. The sub-menu includes Time Mode, Time Zone, and Daylight Savings.

**[Time Mode]** – Choose from Auto or Manual. When choose the Time Mode at Manual, you can set the Year, Month, Date, and, Time manually.

**[Time Zone]** – Set current time zone.

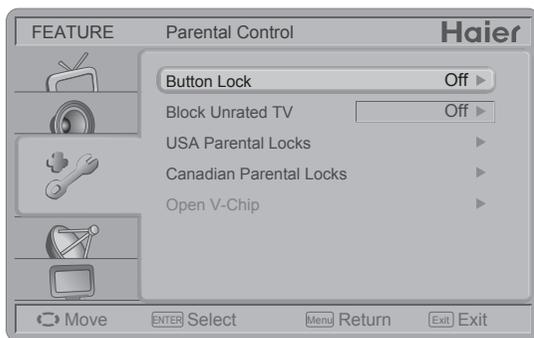
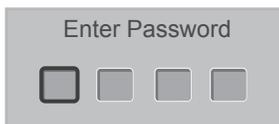
**[Daylight Savings]** – Set to On or Off.



3. **Transparency:** Adjust the transparency of the on-screen menu from range 0 to 10.
4. **Password Setting:** Change the 4-numeral parental control password. Three steps are required for changing the password: Enter Old Password → Enter New Password → Confirm New Password. Note: This item is only available in TV, Composite and S-Video source modes. The default password is 『0 0 0 0』 and the universal password is 『3 4 4 8』.



5. **Parental Control:** Provide the parental Control (V-chip) function setting. Before entering the Parental Control sub-menu, user has to key in the password first. Enter the Parental Lock item, then the user can modify the restricted table about MPAA or TV Rating respectively. After exiting the main menu, the parental control function is enabled. The blocked channels or source signals can be unlocked by entering the password.
- Note: This feature is only available in TV, Composite and S-Video source modes. (The default password is: 3 4 4 8.)



**[Button Lock]** – Select On or Off to lock or unlock the control buttons on the side panel of the TV. When this function is enabled, the control buttons on your TV will be locked and the TV can be controlled by the remote control only.

**[Block Unrated TV]** – When Block Unrated TV is set to on, your TV will block unrated programs.

**[USA Parental Locks]** – Set the parental control level by MPAA or TV Rating.

**[Canadian Parental Locks]** – Set the parental control level by English Rating or French Rating.

**[Open V-Chip]** – Open V-Chip is an advanced V-Chip rating system for digital channels that are received.

The rating table will be updated by program with RRT5 rating information.

6. **Closed Captions:** Select closed caption options. (Off / On / With Mute)
7. **Analog Captions:** Select analog caption options. (CC 1-4 / TEXT 1-4)
8. **Digital Captions:** Select digital caption options. (SERVICE 1-6)  
Note: This feature is only available in Digital TV (ATSC) mode.
9. **Digital Captions Setup:** Provides numerous options for setting the digital closed caption style in the sub-menu.

Note: This feature is only available in Digital TV (ATSC) mode.

**[Style]** – Set to Automatic or Custom mode. If Custom mode is selected, user can modify the detail styles described below. The setting result will be shown immediately on the bottom of the sub-menu OSD.

**[Size]** – Digital closed caption font size, which can be set to Automatic, Small, Normal, or Large.

**[Font]** – Digital closed caption font style, which can be chosen as Automatic, Default, or Font 1 ~ 7.

**[Text Color]** – Automatic / White / Red / Green / Blue / Yellow / Magenta / Cyan / Black.

**[Text Opacity]** – Automatic / Solid / Flashing / Transparent / Translucent.

**[Background Color]** – Automatic / Black / White / Red / Green / Blue / Yellow / Magenta / Cyan.

**[Background Opacity]** – Automatic / Solid / Flashing / Transparent / Translucent.

**[Edge Effect]** – Automatic / None / Raised / Depressed / Uniform / Left Shadow / Right Shadow.

**[Edge Color]** – Automatic / Red / Green / Blue / Yellow / Magenta / Cyan / Black / White.

10. **Input Labels:** This option is available only for non-TV source. User can edit the input labels.
11. **Component Setting:** This option only shows and is available for component input, which provides fine tuning component display.

**[Phase]** – Adjust Picture Phase to reduce Horizontal-Line noise. The tuning range is from 0 to 31.

**[Preset]** – Restore the default component setting values.

12. **MultiMedia Menu:** This option shows the photos in JPEG formats, plays the music in MP3 formats or plays Time Shift feature in digital TV that stored in a USB storage device.

Note:

File number is limited to 1000 files. JPEG sizes are limited as followed:

For HL19LE2: 10928x6144

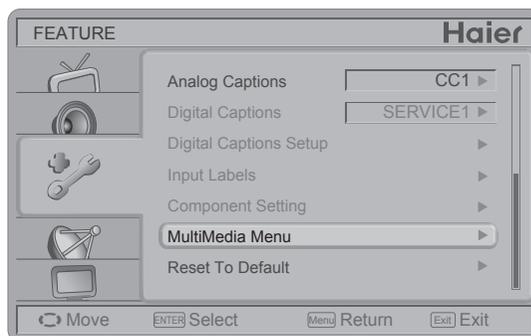
For HL22XLE2 / HL24XLE2:  
15360x8640

There are three ways to enter JPEG Viewer and MP3 MusicBox interface:

- After plugging USB storage device into USB hub, Multimedia List menu will display.



- Select MultiMedia Menu in Feature Menu to choose JPEG Viewer or MP3 MusicBox. These two items are activated only if the USB storage device is plugged into the USB hub.
- Once USB storage device is plugged: Press USB key to display Multimedia List menu for non JPEG/MP3 mode. Press USB key to switch to the other multimedia mode. (JPEG →MP3 / MP3 →JPEG)



**[JPEG Viewer]** – Press Menu to display control menu. Press Enter to enlarge the selected photo (orange frame) in browser.

- **Image Delay:** Set display time for each picture in slide show. There are three options: Fast, Slow, and Normal.
- **Music On Slide Show:** Enable background Music during slide show. It will play with the MP3 file sequence in current folder repeatedly. Music On Slide Show item will be grayed out if there is no MP3 file in current folder.
- **Start Slide Show:** Enter Slide Show mode.
- **Rotate Photo:** Rotate selected picture. (0/90/180/270)
- **Back to Upper Folder:** Return to the upper folder.
- **Back to Root Folder:** Return to root folder.
- **Back To Browser:** Return to Browser mode. (Photo page with control menu.)
- **Exit:** Exit JPEG Viewer and return to original source. (Browser with Control menu.)

### **[MP3 MusicBox]**

- **ListInfoBar (at the bottom):** This part contains play list information as: “Current Directory”, “Total File(s)”, “Total Folder(s)”, “Current Item” in current directory and Key Help Bar.
- **PlayList (on the right side):** This part contains MP3 music files.

- **ControlPanel (on the left side):**

#### **Bass, Treble, Balance, Volume:**

Adjust the audio tone.

**Mute Screen:** This provides an option for enabling (On) or disabling (Off) auto turn-off backlight feature while playing MP3 media. The setting status is valid in MP3 media player interface only. After setting to On, the backlight will be turned-off automatically after 10 seconds if no key is pressed. Press any key to turn on the TV.

**Preset:** Resetting MP3 relative parameters to the default values.

**Exit:** Exit MP3MusicBox interface.

**[Time Shift]** – The feature allows the viewer to pause and record the currently watched digital program (ATSC or QAM) and resume to the point where it was paused. Plug the USB storage device to activate the Time Shift selection in Feature menu.

Note:

- Formatting a USB 2.0 storage device will be needed. Save your original data before formatting. ***All the data stored in the USB device will be erased after formatting.***
- Sleep timer will be suspended if it had been set before Time Shift.
- **USB Drive Storage Format:** Select to format the USB disk and locate a fix area for Time Shift function.

**Note:**

- Format process will take at least 2 minutes. Please do not turn off power or remove USB disk during formatting.
- During formatting, a speed test will be done on the USB disk. If it fails, it means the USB disk may not support the Time Shift functions.
- **Start Time Shift Recording:**  
Select to start the Time Shift function.

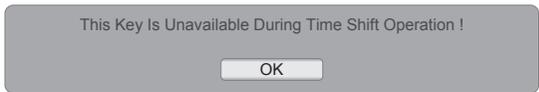
**Note:**

- Please do not unplug the USB storage device when the Time Shift is activated.
- Approximately 4GB memory buffers could offer 180 minutes for 480i contents or 30 minutes for 1080i contents.
- Once 4GB of data gets stored, the time shift function will delete the stored data and restart the buffering of content. This occurs even for USB devices larger than 4GB.

**Note:**

**Time Shift limitations:**

1. When the Time Shift feature is activated, only the PLAY/PAUSE/STOP/FWD/REV/VOL+/VOL-/MUTE keys and some basic operation keys (ENTER/EXIT/navigation keys) are available. When a key is pressed and that function is unavailable, the dialog box shown below will appear.



2. Video playback may not be smooth and skip if USB recording speed does not meet the minimum requirements (for certain 1080i/p signals).
3. Do Not remove USB disk or switch off the power during Time Shift operations. It will abort once the signal is lost.
4. Do Not remove the signal source during Time Shift operations.
5. Do Not quickly and repeatedly change operations between PLAY/PAUSE/FWD/REV.
6. Sleep timer will be terminated if it had been set before Time Shift.
7. The USB storage size needs to be the size of 4GB, 8GB or 16GB.
8. Video may become pixelated when Video bit rate is too low.
9. Close Caption setting is not available during Time Shift mode.
10. Not all USB devices are compatible. Below is a list of recommended USB drives. Models that are not listed may be compatible, but it is not guaranteed to work.
  - SanDisk Extreme®  
Contour™ USB Flash Drive  
- 8GB SDCZ8-8192-E75

- SanDisk Extreme® Contour™ USB Flash Drive - 16GB SDCZ8-016G-A75
- Kingston DataTraveler 410 USB 2.0 Flash Drive - 8GB DT410/8GB
- Kingston DataTraveler 410 USB 2.0 Flash Drive - 16GB DT410/16GB
- OCZ Technology Rally2 USB 2.0 Flash Drive - 4GB OCZUSB2DC-4GB
- OCZ Technology ATV USB 2.0 Flash Drive - 8GB OCZUSBATV-8GB
- OCZ Technology Rally2 USB 2.0 Flash Drive - 8GB OCZUSB2DC-8GB

11. This feature is not available for all digital TV, such as scrambled or audio only channels.

**13. Reset to Default:** Restore all settings to the factory default.

## VGA MENU

This option is only shown and available while in VGA mode, which provides several options to fine tune the VGA display.

1. **H-Position:** Adjust the horizontal position of the picture. (0-40)
2. **V-Position:** Adjust the vertical position of the picture. (0-16)
3. **Clock:** Adjust picture clock to reduce Vertical-Line noise. (0-16)
4. **Phase:** Adjust picture phase to reduce Horizontal-Line noise. (0-31)

5. **Auto Adjust:** Adjust the settings automatically.
6. **Preset:** Restore the default VGA setting values.

## TIPS

### Care of the screen

Do not rub or strike the screen with anything hard as this may scratch, mar, or damage the screen permanently.

Unplug the power cord before cleaning the screen. Dust the TV by wiping the screen and the cabinet with a soft, clean cloth. If the screen requires additional cleaning, use a clean, damp cloth. Do not use liquid cleaners or aerosol cleaners.

### Mobile telephone warning

To avoid disturbances in picture and sound, malfunctioning of your TV or even damage to the TV, keep your mobile telephone away from the TV.

### End of life directives

Your new TV contains materials, which can be recycled and reused.

At the end of its life, specialized companies can dismantle the discarded receiver to concentrate the reusable materials and to minimize the amount of materials to be disposed of.

Please ensure you dispose of your old receiver according to local regulations. Go to [www.EIAE.org](http://www.EIAE.org) for more information.

## **Dolby License Notice and Trademark Acknowledgement**



Manufactured under license from Dolby Laboratories.

Dolby and the double-D symbol are trademarks of Dolby Laboratories.

### **Regulatory Notices – Federal Communications Commission Notice**

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 TV.
- Connect the equipment into wall power outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio or television technician for help.

### **Modifications**

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by our company may void the user's authority to operate the equipment.

### **Cables**

Connections to this device must be made with shielded cables with metallic RF/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

### **Canadian notice**

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

### **Avis Canadian**

Cet appareil numérique de la classe B respecte toutes les exigences du règlement sur le matériel brouilleur du Canada.

# PRODUCT SPECIFICATIONS

## NOTE

- This model complies with the specifications listed below.
- Designs and specifications are subject to change without notice.
- This model may not be compatible with features and/or specifications that may be added in the future.

Model No.	HL19LE2	HL22XLE2	HL24XLE2
<b>DISPLAY</b>			
Viewable	18.5"	21.5"	23.6"
Television System	NTSC standard, ATSC standard (8-VSB, Clear-QAM)		
Channel Coverage	VHF: 2 through 13 UHF: 14 through 69 Cable TV: Mild band (A - 8 through A - 1, A through I), Super band (J through W), Hyper band (AA through ZZ, AAA, BBB), Ultra band (65 through 94, 100 through 125)		
<b>CONNECTIONS</b>			
Rear Connectors	<b>Tuner input (75Ω)</b> <b>AV IN:</b> AV/S-Video and L/R audio input <b>PC IN:</b> D-SUB and PC Audio (Headphone mini-jack) Supported scan rate: 640x480@60/72/75Hz, 720x400@70Hz, 800x600@56/60/72/75Hz, 1024x768@60/70/75Hz, 1280x720@60Hz, 1280x768@60Hz. Note: 1360x768@60Hz: For HL19LE2 only. 1280x1024@60Hz, 1440x900@60Hz, 1680x1050@60Hz, 1920x1080@60Hz: For HL22XLE2 / HL24XLE2 only. Recommended: For HL19LE2: 1360x768@60Hz For HL22XLE2 / HL24XLE2: 1920x1080@60Hz		
	<b>Component Video and L/R Audio input</b> Supported resolution: 480i, 480p, 720p, 1080i, 1080p <b>HDMI input</b> Supported scan rates: 480i, 480p, 720p, 1080i, 1080p		
Side Connectors	HDMI 2	HDMI 2	HDMI 2
	Earphone Output USB PORT	Earphone Output USB PORT	Earphone Output USB PORT

Model No.	HL19LE2	HL22XLE2	HL24XLE2
<b>WEIGHT &amp; DIMENSION</b>			
Dimensions with Stand (W x H x D)(inch)	18.48x13.92x5.91	21.11x15.4x6.3	22.88x16.41x6.3
Dimensions without Stand (W x H x D)(inch)	18.48x12.35x1.62	21.11x13.84x1.51	22.88x14.84x1.51
Weight with Stand	6.88(lbs)	8.82(lbs)	9.48(lbs)
Weight without Stand and Base	6.37(lbs)	8.27(lbs)	8.93(lbs)
<b>WALL MOUNTING</b>			
VESA-compatible wall bracket (W x H)	100 x 100 mm	100 x 100 mm	100 x 100 mm
Screw type	Metric 4 x 10 mm	Metric 4 x 10 mm	Metric 6 x 10 mm
<b>POWER</b>			
Power Consumption	33W	50W	50W
Standby	<1W		
Mains Power	120V~ 60Hz		
Audio Power	3W + 3W	3W + 3W	3W + 3W
Ambient Temperature	41°F ~ 95°F		
<b>PACKAGE CONTENTS</b>			
Supplied Accessories	TV unit x 1 Base x 1 Remote control x 1 (with two size AAA alkaline batteries) User manual x 1 Registration Card x 1		

## BEFORE CALLING FOR SERVICE

Please make these simple checks before calling service. These tips may save you time and money since charges for receiver installation and adjustments of customer controls are not covered under your warranty.

Symptoms	Items to Check and Actions to follow
“Ghost” or double image	<ul style="list-style-type: none"> <li>This may be caused by obstruction to the antenna due to high rise buildings or hills. Using a highly directional antenna may improve the picture.</li> </ul>
No power	<ul style="list-style-type: none"> <li>Check if the TV’s AC power cord is plugged into the mains socket.</li> <li>Unplug the TV, wait for 60 seconds. Then reinsert plug into the mains socket and turn on the TV again.</li> </ul>
No picture	<ul style="list-style-type: none"> <li>Check antenna connections at the rear of the TV to see if it is properly connected to the TV.</li> <li>Possible broadcast station trouble. Try another channel.</li> <li>Adjust the contrast and brightness settings.</li> <li>Check the Closed Captions control. Some TEXT modes could block the screen.</li> </ul>
Good picture but no sound	<ul style="list-style-type: none"> <li>Increase the VOLUME.</li> <li>Check if the TV is muted; press the MUTE button on the remote control.</li> </ul>
Good sound but poor color	<ul style="list-style-type: none"> <li>Adjust the contrast, color and brightness settings.</li> </ul>
Poor picture	<ul style="list-style-type: none"> <li>Poor picture quality may occur when an activated S-VHS camera or camcorder is connected to your TV and the other peripheral at the same time. Switch off one of the peripherals.</li> </ul>
Snowy picture and noise	<ul style="list-style-type: none"> <li>Check the antenna connection.</li> </ul>
Horizontal dotted line	<ul style="list-style-type: none"> <li>This may be caused by electrical interference (e.g. hair dryer, nearby neon lights, etc.)</li> <li>Turn off the equipment.</li> </ul>
Television not responding to remote control	<ul style="list-style-type: none"> <li>Check whether the batteries are working. Replace if necessary.</li> <li>Clean the remote control sensor lens on the TV.</li> <li>You can still use the buttons at the front of your TV.</li> <li>Select the TV mode to ensure your remote control is set in the TV mode.</li> </ul>

## **GLOSSARY**

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### **HDTV**

HDTV displays are technically defined as being capable of displaying a minimum of 720p or 1080i active scan lines.

### **HDMI Inputs**

High-Definition Multimedia Interface

### **Audio / Video Inputs**

Located on the rear of the receiver, these connectors (RCA phono type plug) are used for the input of audio and video signals. Designed for use with VCRs (or other accessories) in order to receive higher picture resolution and offer sound connection options.

### **Menu**

An on-screen listing of features shown on the TV screen is made available for user adjustments.

### **MPAA**

Motion Picture Association of America

### **Multichannel Television Sound (MTS)**

The broadcasting standard, which allows stereo sounds to be transmitted with the TV picture.

### **RF**

Radio Frequency or modulated signal design used as the carrier for television broadcasts.

### **Second Audio Program (SAP)**

Another or additional audio channel provided for in the Multichannel Television Sound (MTS) broadcast standard. A monaural sound track included within the recorded or video signal (usually containing a second language translation for the displayed program).

### **Sleep Timer**

You can set a time period for which the TV will be turn off automatically.

### **S-Video Input**

You can connect your TV set to a high-resolution video source (such as Super VHS video-cassette recorder, Laser Disc player, and DVD Home Theater Set) in order to provide maximum consumer viewing satisfaction.

## WARRANTY

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This Haier brand product, when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective product with a new or re-manufactured equivalent, for parts or labor for the periods set forth below:

This warranty does not apply to the appearance of the product or the exterior of the product, which has been damaged or defaced, altered or modified in design or construction. It does not apply to the additional excluded items set forth below:

The warranty commences on the date the item was purchased and the original purchase receipt must be presented to the authorized service center before warranty repairs are rendered.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. **ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW.**

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Haier.

The warranties described herein shall be the sole and exclusive warranties granted by Haier and shall be the sole and exclusive remedy available to the purchaser.

Correction of defects in the manner and for the period of time described herein, shall constitute complete fulfillment of all abilities and Responsibility of Haier to the purchaser with respect to the product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict duality or otherwise. In no event shall Haier be liable, or in any way responsible for any damages or defects in the product which were caused by repairs or attempted repairs performed by anyone other than an authorized service center or dealer; nor shall Haier be liable, or in any way responsible for incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so that above exclusion may not apply to you.

**THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.**

Warranty period for HL19LE2, HL22XLE2, and HL24XLE2 1 year parts, 90 days labor. Additional items excluded from warranty coverage: non-rechargeable batteries.

What to do to obtain service or to obtain product literature, accessories, supplies or customer assistance: Simply call 1-877-337-3639. Be sure to have proof of purchase.



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