

memorex™

Widescreen LED
CrystalVision
32" HDTV

The Entertainer



Owner's Manual

Please read these instructions completely,
before operating this product.



PLEASE RECYCLE
Facilities may not exist in your area

memorex-ce.com
Model MLT3252

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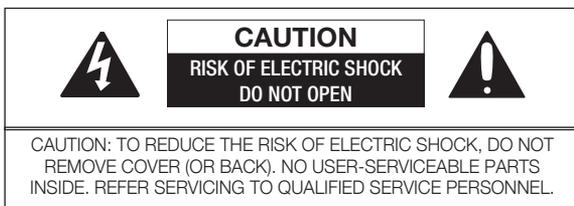
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Congratulations on your purchase of the Memorex MLT3252 LCD TV with LED Backlight! With this high quality television, enjoy the benefits of LED backlight with vivid brightness, dynamic contrast, wide viewing angle and super fast response time. Your television uses the most advanced technology to eliminate shadowing and deliver a sharp, detailed picture in all lighting conditions, high quality sound, and multiple connectivity ports in an ultra-thin, sleek design.

Please follow these operational instructions carefully. Save them for future reference.

IMPORTANT SAFETY PRECAUTIONS

PRODUCT SAFETY: When used in the directed manner, this unit has been designed and manufactured to ensure your personal safety. Improper use of this product can result in potential electrical shock or fire hazards. Please read all safety and operating instructions carefully before installation and use, and keep these instructions handy for future reference.



DANGEROUS VOLTAGE: 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.



ATTENTION: 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 this product.

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

FCC WARNING: This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

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.

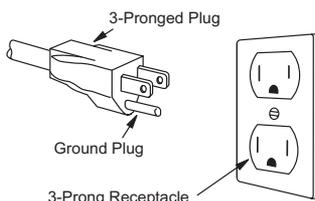
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate 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 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.
- The rating information is located at the rear of the unit.

CAUTION: Any changes or modifications to this equipment not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

DOT DEFECTS: The panel is a high technology product with resolution of two million to six million pixels. In a very few cases, you could see fine dots on the screen while you're viewing the TV. Those dots are deactivated pixels and do not affect the performance and reliability of the TV.

THIS APPLIANCE MUST BE GROUNDED: In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded. 1) Plug into properly installed and grounded three-prong outlet. 2) DO NOT remove ground prong. 3) DO NOT use an adapter.



IMPORTANT SAFETY PRECAUTIONS

Before using the unit, be sure to read all operating instructions carefully. Please note that these are general precautions and may not pertain to your unit. For example, this unit may not have the capability to be connected to an outdoor antenna.

1. READ INSTRUCTIONS

All the safety and operating instructions should be read before the product is operated.

2. RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

3. HEED WARNINGS

All warnings on the product and in the operating instructions should be adhered to.

4. FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

5. CLEANING

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.

6. ATTACHMENTS

Do not use attachments not recommended by the product's manufacturer as they may cause hazards.

7. WATER AND MOISTURE

Do not use this product near water—for example: Near a bathtub, washbowl, kitchen sink or laundry tub; in a wet basement; or near a swimming pool.

8. ACCESSORIES

Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious injury and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

8A. An appliance and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the appliance and cart combination to overturn.

PORTABLE CART WARNING
(Copyright provided by IRETAG)



9. VENTILATION

Slots and openings in the cabinet and in the back or bottom are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat source. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

10. POWER SOURCES

This product 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 products intended to operate from battery power, or other sources, refer to the operating instructions.

11. GROUNDING OR POLARIZATION

This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

12. 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.

13. LIGHTNING

To protect your product from 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 product due to lightning and power-line surges.

14. 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.

15. OVERLOADING

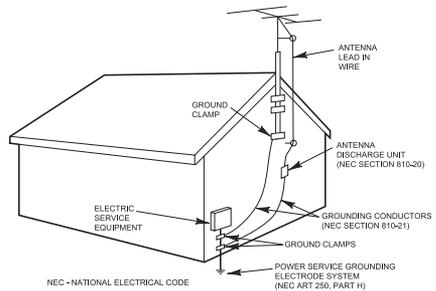
Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

16. OBJECT AND LIQUID ENTRY

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid on the product.

17. OUTDOOR ANTENNA GROUNDING

If an outside antenna is connected to the product, 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 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge product, size of grounding conductors, location of antenna discharge product, connection to grounding electrodes and requirements for grounding electrodes.



18. SERVICING

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

19. REPLACEMENT PARTS

When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

20. SAFETY CHECK

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

21. WALL OR CEILING MOUNTING

The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

22. DAMAGE REQUIRING SERVICE

Unplug the product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or the cabinet has been damaged.
- When the product exhibits a distinct change in performance—that indicates a need for service.

23. HEAT

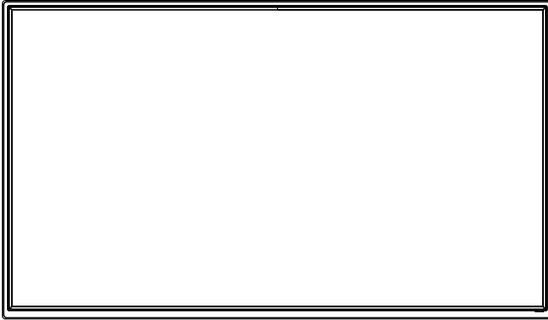
The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.

24. NOTE TO 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 grounding system of the building, as close to the point of cable entry as practical.

WHAT IS INCLUDED

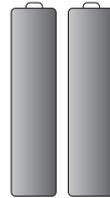
After unpacking, you will have the following items:



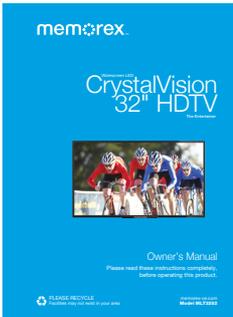
TV



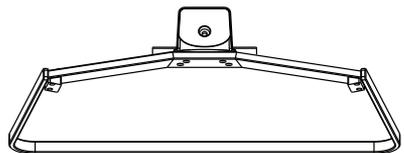
Remote Control



Remote Batteries



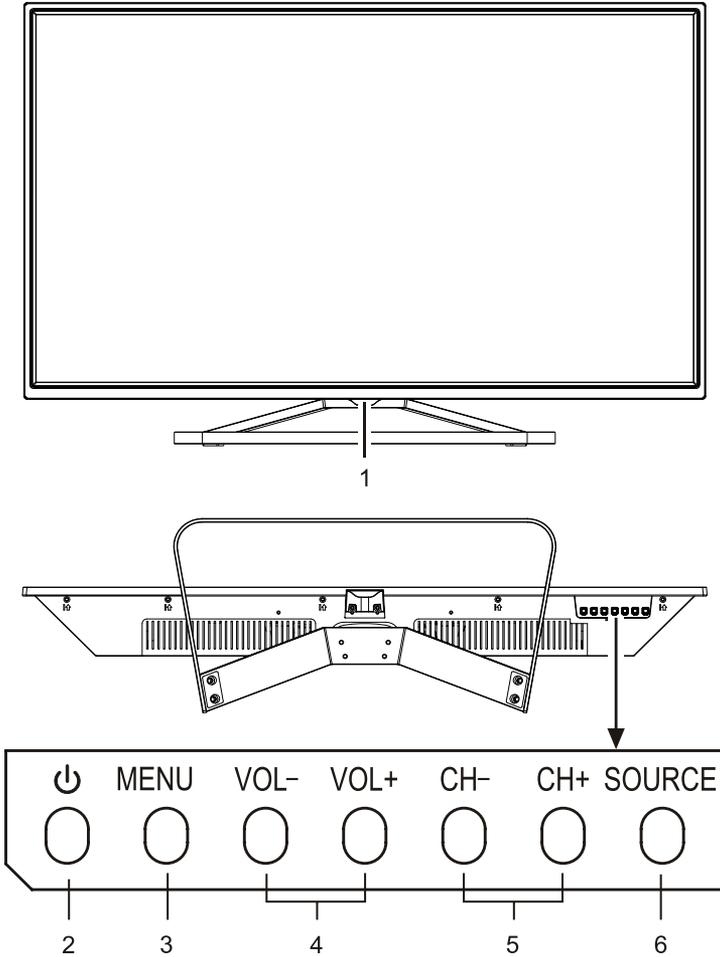
Owner's Manual



Stand Kit

LOCATION OF CONTROLS

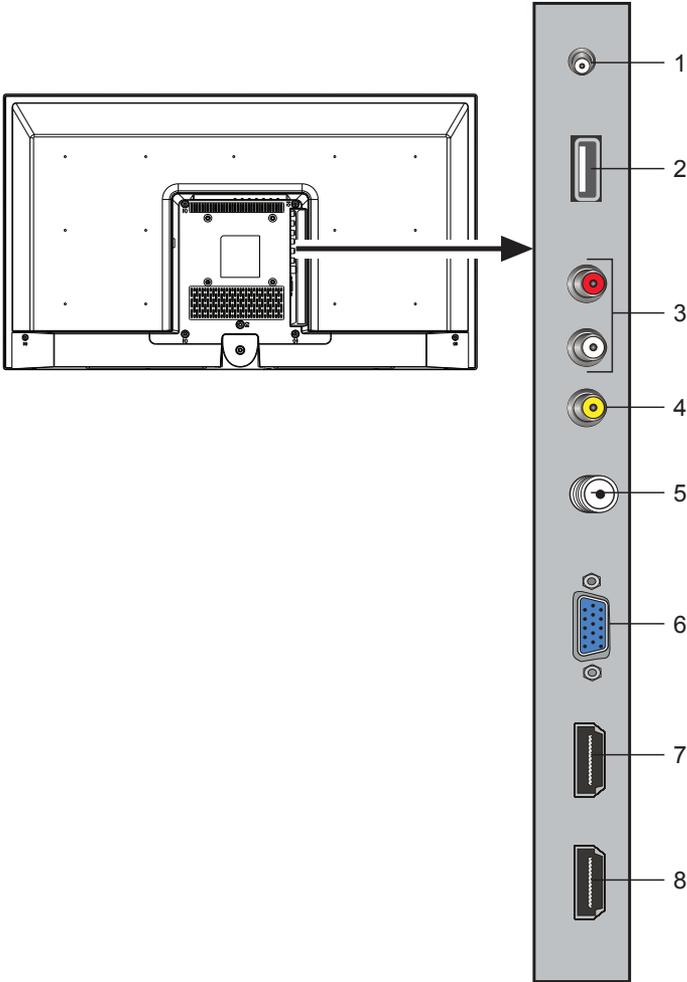
Front/Top



- | | |
|--|----------------------------|
| 1. Standby Indicator and Remote Sensor | 4. Volume Up/Down Buttons |
| 2. Power/Standby Button | 5. Channel Up/Down Buttons |
| 3. MENU Button | 6. SOURCE Button |

LOCATION OF CONTROLS

Rear

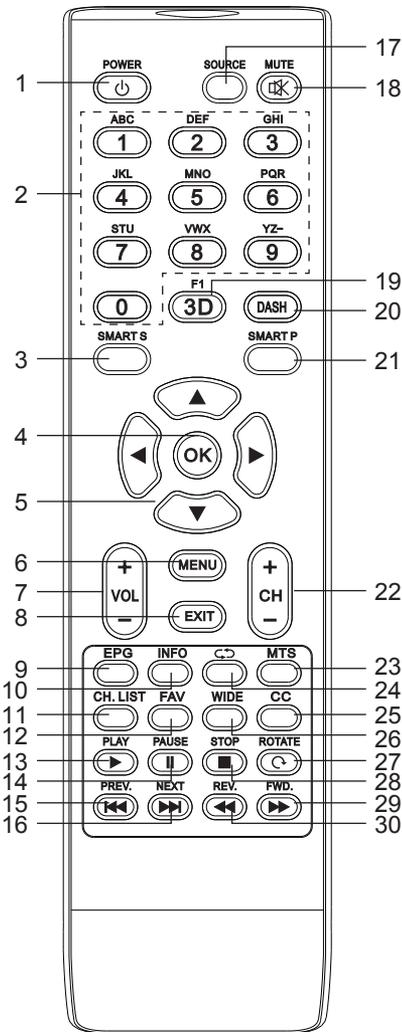


1. Audio Out Jack
2. USB Jack
3. Audio In Left/Right Jacks
4. Video In Jack
5. TV Coaxial Jack

6. VGA Jack
7. HDMI-1 Jack (MHL)
8. HDMI-2 Jack (ARC)

LOCATION OF CONTROLS

Remote

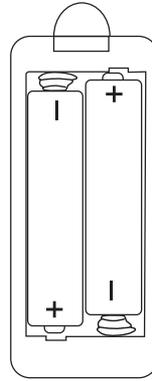


1. POWER/Standby Button
2. Number Buttons
3. SMART Sound Button
4. OK Button
5. Navigation ◀/▶/▼/▲ Buttons
6. MENU Button
7. Volume Up/Down Buttons
8. EXIT Button
9. EPG Button
10. INFO Button
11. CH. LIST Button
12. FAV (Favorite Button)
13. PLAY Button
14. PAUSE Button
15. Previous ◀◀ Button
16. Next ▶▶ Button
17. SOURCE Button
18. MUTE Button
19. Freeze (F1) Button (3D is not applicable to this set)
20. DASH Button
21. SMART Picture Button
22. Channel Up/Down Buttons
23. MTS Button
24. Return ↺ Button
25. CC (Closed Captions) Button
26. WIDE Button
27. ROTATE Button
28. STOP Button
29. Forward ▶▶ Button
30. Reverse ◀◀ Button

INSTALLATION

Inserting Batteries in the Remote

- 1** Remove the Battery Compartment cover by pushing in on the tab and then lifting the cover off.
- 2** Install two “AAA” batteries, paying attention to the polarity diagram in the battery compartment.
- 3** Replace the Battery Compartment cover.



BATTERY PRECAUTIONS:

Follow these precautions when using batteries in this device:

1. Warning – Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
2. Use only the size and type of batteries specified.
3. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. A reversed battery may cause damage to the device.
4. Do not mix different types of batteries together (e.g. Alkaline, Rechargeable and Carbon-zinc) or old batteries with fresh ones.
5. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
6. Do not try to recharge a battery not intended to be recharged; it can overheat and rupture. (Follow battery manufacturer's directions.)
7. Remove batteries promptly if consumed.
8. Clean the battery contacts prior to battery installation.

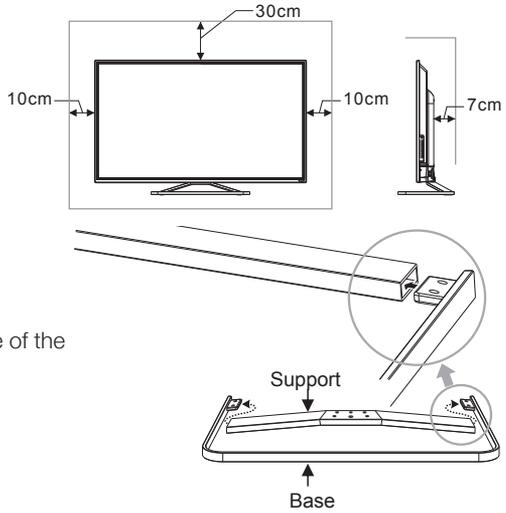
INSTALLATION

Installing with the Stand

It is highly recommended that two people take part in removing the TV from the packaging and installation. The TV can be installed in two ways:

- On a flat surface, using the included stand - see below.
- On a wall, using a VESA-standard wall mount (not included) - See the following page.

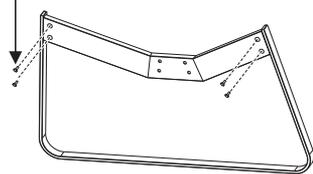
The included stand is designed to support the weight of the TV and keep it from falling over. However, the TV can still fall over if: a) placed on an uneven, unstable, or non-level surface, or b) pushed, pulled, or improperly moved. Also, make sure to give proper clearance as shown in the image at right.



- 1 Insert the support into each side of the base as shown.

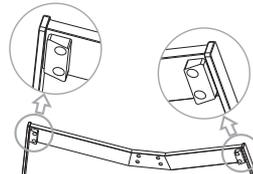
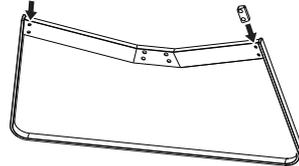
- 2 Secure with the four 5 x 7 mm base screws.

Φ5x7mm Base Screws



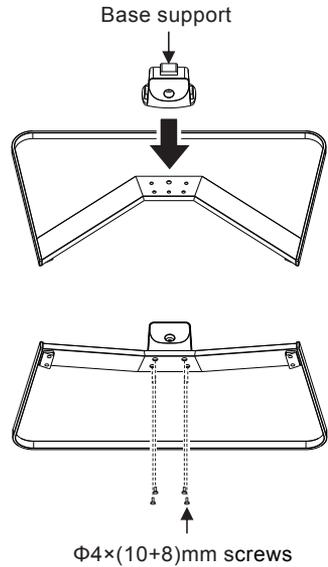
- 3 Remove the stickers on the pads and place them on the stand as shown.

Base Pads

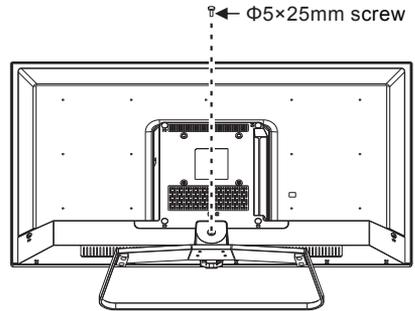


INSTALLATION

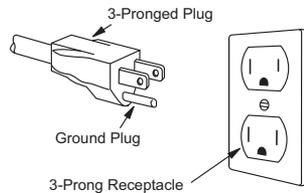
- 4** Attach the base support to the stand using the four screws as shown.



- 5** Align the base with the neck and secure with the included 5 x 25 mm screw.



- 6** Insert the AC plug (with the three blades) into a conveniently located AC outlet having 120V, 60Hz.

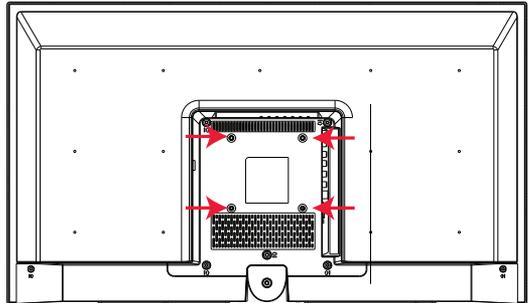


INSTALLATION

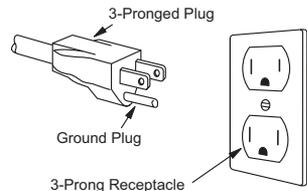
Wall Mounting the Unit

- 1** Purchase a mount, available separately. Make sure to use screws and wall mounts that meet the VESA standard. This unit uses 100mm x 200mm M6 screws. Length of screw should not exceed 8mm.
- 2** Select a wall to mount the TV, and check for obstructions below the mount, which is where your cables will run. You can also hire a professional installer to install the wires behind the wall, if it is an interior wall.
- 3** Determine the location on the wall and make sure it is close enough to an AC outlet. Also make sure that nothing obstructs the view.
- 4** Locate the studs as you want to make sure that, at the very least, one stud is used to attach the mount.

- 5** Attach the mounting rails of the purchased mount to the TV using the four screw holes as marked in the illustration to the right.
Do not over-tighten screws, but tighten them enough to firmly secure.



- 6** Follow the instructions included with the Mount to complete the wall mounting.
- 7** Connect the cables as shown on the following pages.
- 8** Insert the AC plug (with the three blades) into a conveniently located AC outlet having 120V, 60Hz.

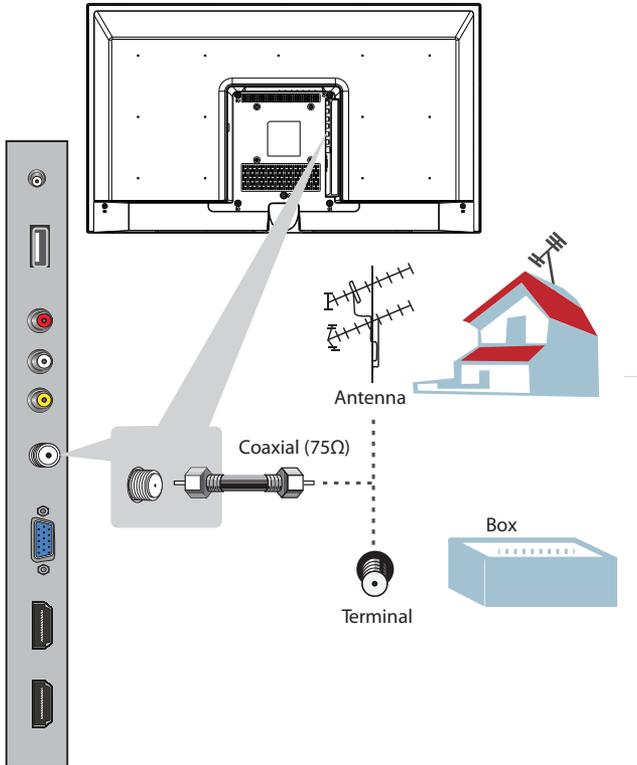


INSTALLATION

Antenna or Cable Coaxial Connection

Connect an antenna, cable, or cable box to watch TV as follows:

- 1 Make sure the power is off on the TV and cable/satellite box (if using).
- 2 Connect the coaxial cable into the Coaxial jack on the rear of the TV.
- 3 Turn on the TV (and box, if used).
- 4 Press the **SOURCE** button and then select **TV** using the Navigation ▼/▲ buttons. Confirm by pressing the **OK** button. Follow the on-screen instructions for the Setup Wizard (see page 33).



NOTES:

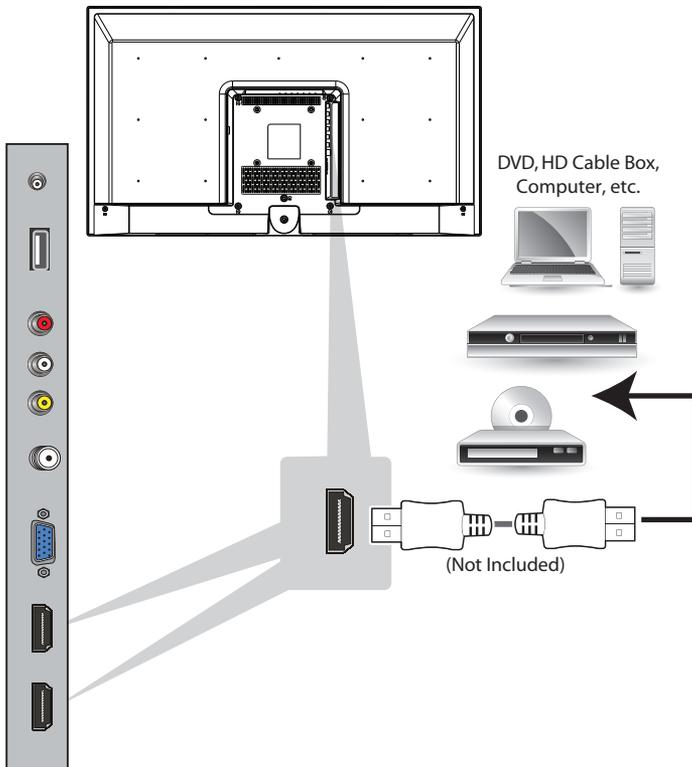
- Not all broadcasts are in High Definition (HD). Please refer to your local broadcasting stations for more information.
- The HDTV's tuner is designed for HDTV, therefore requires a stronger signal than normal TVs. If you cannot achieve that signal level with your antenna or cable, your HDTV might lose picture or sound.

INSTALLATION

HDMI Connection (Preferred Method)

This TV has two HDMI inputs, so connect up to two devices and select the desired one using the **SOURCE** button on the remote. Connect as follows:

- 1 Make sure the power is off on the TV and external unit.
- 2 Connect an HDMI cable (not included) from the HDMI out jack on the external unit to one of the HDMI jacks on the rear of the TV.
- 3 Turn on the TV and external unit.
- 4 Press the **SOURCE** button and then select the respective HDMI jack (1 or 2) using the **Navigation** ▼/▲ buttons. Confirm by pressing the **OK** button.



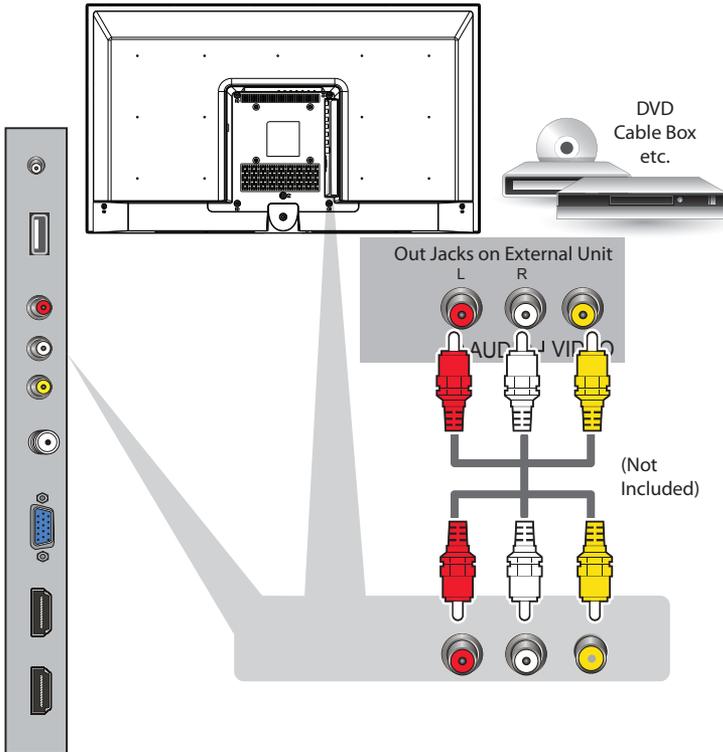
HDMI-2 ARC: With an HDMI-2 ARC setup, the audio connection between your TV and Home Audio Receiver can be removed. The HDMI cable will transmit the audio signal to and from your TV with an all-digital audio/video connection. Note that this is only used when going from a device through your Home Receiver and to your TV.

INSTALLATION

Composite Cable Connection

Connect an external device that utilizes Audio/Video jacks as follows:

- 1 Make sure the power is off on the TV and external unit.
- 2 Connect the red and white plugs of an audio cable (not included) from the Audio Out jacks on the external unit to the red and white Audio In jacks on the rear of the TV.
- 3 Connect the yellow (video) plug from the Video Out jack on the external unit to the yellow Video In jack on the rear of the TV.
- 4 Turn on the TV and external unit.
- 5 Press the **SOURCE** button and then select **AV** using the **Navigation** ▼/▲ buttons. Confirm by pressing the **OK** button.



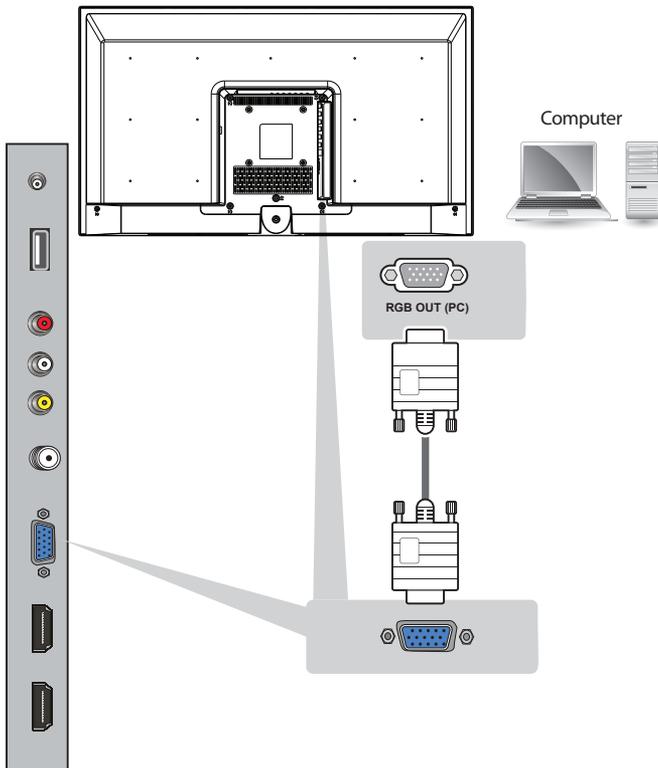
NOTE: It is very important to insert the correct color plug into the same color jack.

INSTALLATION

VGA Connection

Connect a computer to this TV as follows:

- 1** Make sure the power is off on the TV and computer.
- 2** Connect a VGA cable (not included) from the computer's VGA Out jack to the VGA jack on the rear of the TV.
- 3** Turn on the TV and computer.
- 4** Press the **SOURCE** button and then select **PC** using the Navigation **▼/▲** buttons. Confirm by pressing the **OK** button.



NOTES:

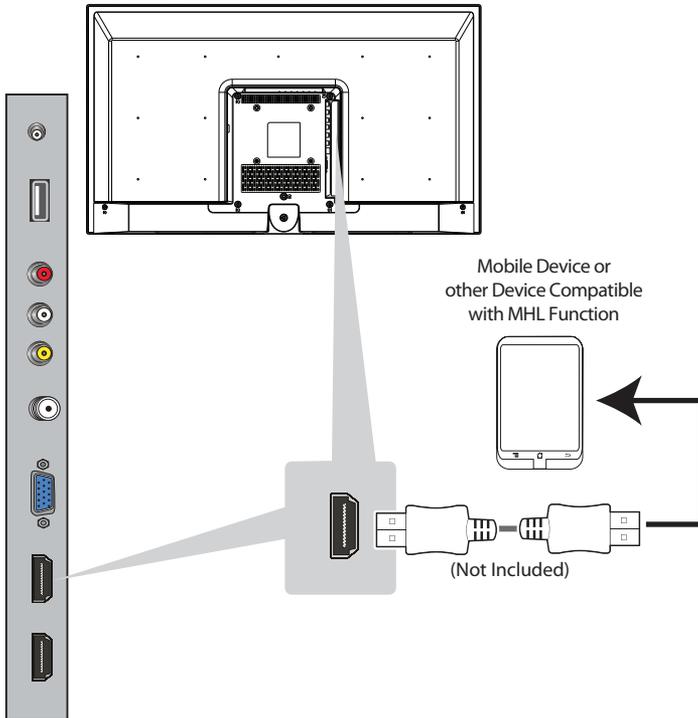
- For the best results, please set your PC resolution to 1360x768 at 60 Hz.
- Refer to the PC or graphic card's manual for further instructions on how to set your resolution and refresh rate.
- The VGA port of the TV features a power saving mode which will automatically turn off the TV if there's no signal provided for more than five minutes.

INSTALLATION

MHL HDMI Connection

This unit has an MHL HDMI jack which allows mobile devices with this option to connect to this TV.

- 1 Make sure the power is off on the TV and mobile device.
- 2 Connect using an MHL Cable, see your mobile device's owner's manual for the correct cable.
- 3 Turn on the TV.
- 4 Press the **SOURCE** button and then select **HDMI1** using the **Navigation** ▼/▲ buttons. Confirm by pressing the **OK** button.



NOTES:

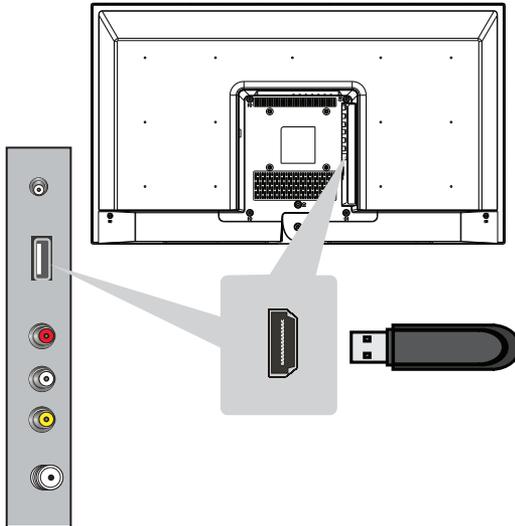
- If you do not get the signal, make sure a) you are using the correct cable according to your mobile device's owner's manual and b) HDMI1 source is selected.
- MHL is a technology that enables the TV to communicate with an MHL compatible device.

INSTALLATION

USB Connection

Connect a USB drive to view pictures or play music.

- 1 Make sure the power is off on the TV and external unit.
- 2 Insert the USB drive into the USB jack.
- 3 Turn on the TV.
- 4 Press the **SOURCE** button and then select **MEDIA** using the Navigation ▼/▲ buttons. Confirm by pressing the **OK** button.



Earphone Connection

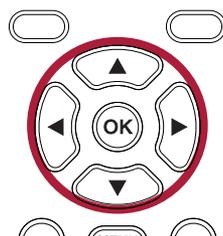
For private listening, connect headphones with a standard 3.5mm plug into the Audio Out jack. Adjust the volume on the set as desired.

Also use this jack if connecting to an external stereo.

Picture Menu



- 1 Press the **MENU** button to bring up the On-Screen menu.
- 2 Press the ◀/▶ buttons to select **Picture**.
- 3 Press the ▼ button to select a setting (i.e. Picture Mode, etc.).
- 4 Press the ◀/▶ buttons to adjust the setting, or press the **OK** button to enter certain settings.
- 5 When done, press the **EXIT** button to exit the menus or press the **MENU** button to return to the previous menu.



PICTURE MODE: Set the desired Picture Mode (**Standard, Dynamic, Soft, Personal**). Select Personal to adjust the individual picture sliders manually.

CONTRAST: Set the desired contrast (the difference between the bright and dark regions of the screen picture).

BRIGHTNESS: Set the desired brightness.

SATURATION: Set the desired saturation.

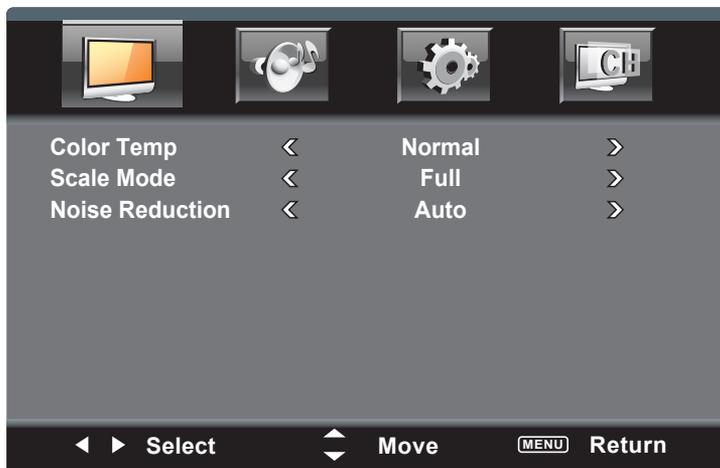
TINT*: Set the desired tint.

SHARPNESS: Set the desired sharpness.

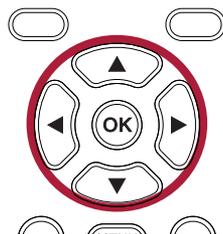
ADVANCED VIDEO: Press the ▶ button to enter the advanced setting, as described on the next page.

* The Tint option is only available when in NTSC mode.

Picture Menu - Advanced Video Submenu



- 1 Access the picture menu as described on the previous page.
- 2 Press the ▼ button to select **Advanced Video** and then press the **OK** button to enter.
- 3 Press the ▼ button to select a setting (i.e. Color Temp., etc.).
- 4 Press the ◀▶ buttons to adjust the setting.
- 5 When done, press the **EXIT** button to exit the menus or press the **MENU** button to return to the previous menu.

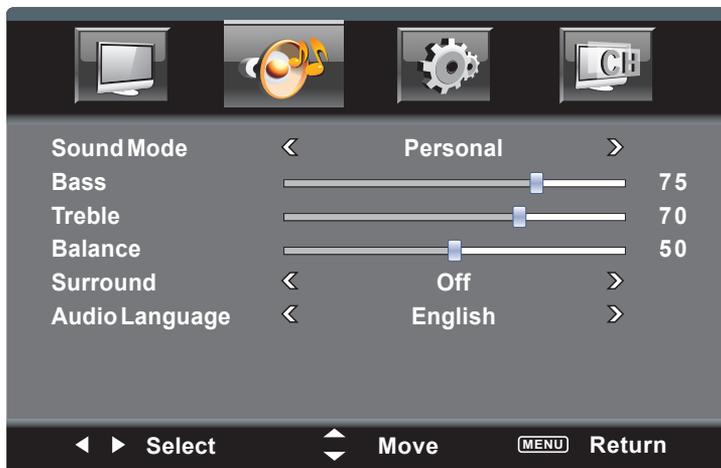


COLOR TEMPERATURE: Set the desired picture mode (**Normal, Warm** or **Cool**).

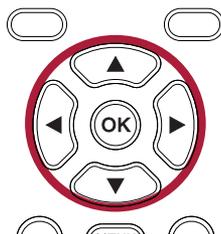
SCALE MODE: Set the desired Aspect Ratio (**Full, Subtitle, Cinema, 4:3**).

NOISE REDUCTION: Set the desired noise reduction for the video (**Off, Weak, Middle, Strong, Auto**).

Sound Menu



- 1 Press the **MENU** button to bring up the On-Screen menu.
- 2 Press the ◀/▶ buttons to select **Sound**.
- 3 Press the ▼ button to select a setting (i.e. Sound Mode, etc.).
- 4 Press the ◀/▶ buttons to adjust the setting.
- 6 When done, press the **EXIT** button to exit the menus or press the **MENU** button to return to the previous menu.



SOUND MODE: Set the desired sound mode (**Personal, Standard, Music, Movie, Sports**). Select **Personal** to adjust the individual sound sliders manually.

BASS: Set the desired bass.

TREBLE: Set the desired treble.

BALANCE: Set the desired balance between the left and right speakers.

SURROUND: Turn Surround Sound On or Off.

AUDIO LANGUAGE*: Set the desired Audio Language, if supported.

* This option is only available when receiving a Digital signal.

Setup Menu



- 1 Press the **MENU** button to bring up the On-Screen menu.
- 2 Press the ◀▶ buttons to select **Setup**.
- 3 Press the ▼ button to select a setting (i.e. Time, etc.).
- 4 Press the ◀▶ buttons to adjust the setting, or press the **OK** button to enter certain settings.
- 5 Press the ◀▶ buttons to adjust the setting.
- 6 When done, press the **EXIT** button to exit the menus or press the **MENU** button to return to the previous menu.



MENU LANGUAGE: Set the desired Language for the menus.

PARENTAL CONTROLS: Press the ▶ button to enter the setting, described on page 23.

TIME: Press the ▶ button to enter the setting, described on page 28.

CLOSED CAPTION: Press the ▶ button to enter the setting, described on page 29 (only available with TV and AV devices).

MENU SETTINGS: Press the ▶ button to enter the setting, described on page 30.

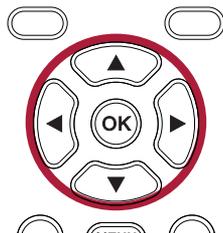
VGA SETTINGS (PC Mode only): Press the ▶ button to enter the setting, described on page 31.

RESTORE DEFAULT: Press the ▶ button to enter the setting. Press ◀▶ buttons to select yes and then press the **OK** button again to restore all the options to their default settings.

Setup Menu - Parental Controls Submenu



- 1 Press the **MENU** button to bring up the On-Screen menu.
- 2 Press the ◀/▶ buttons to select **Setup**.
- 3 Press the ▼ button to select **Parental Controls**.
- 4 Press the **OK** button to enter.
- 5 Press the child-lock code you previously set using the Number buttons followed by the **OK** button. If you have never entered a password, use the default password of "0000".
- 6 Change the settings as below and the following pages.



CHANGE PASSWORD: Set the desired Lock password. If you forget, you can always use 1470 to access.

SYSTEM LOCK: Turn On to lock the system and have the TV adhere to the Lock options you set in the following settings.

INPUT LOCK: Press the ▶ button to enter the setting, described on page 24.

US RATING*: Press the ▶ button to enter the setting, described on page 25.

CANADA RATING*: Press the ▶ button to enter the setting, described on page 26.

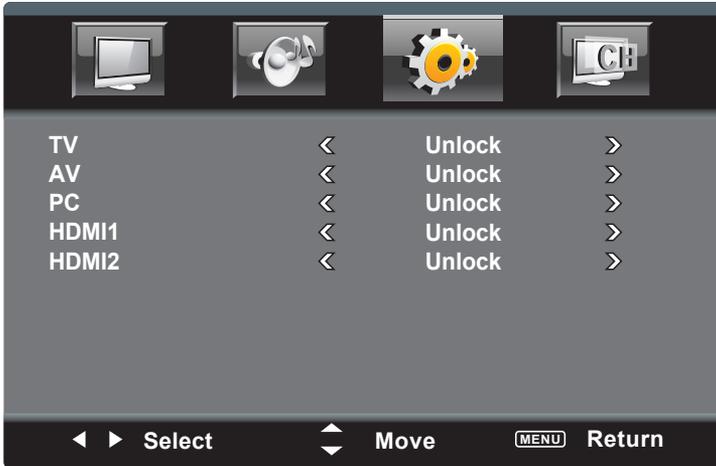
RRT SETTING:** Press the ▶ button to enter the setting, described on page 27.

RESET RRT:** Press the ▶ button to reset the RRT Settings.

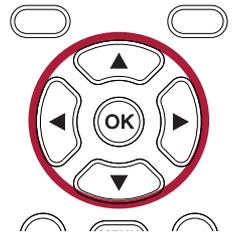
* These options are only available when in TV mode.

** These options are only available when current stream has downloadable rating data.

Setup Menu - Parental Control - Input Lock Submenu



- 1 Access the Parental Control menu as described on page 23.
- 2 Press the ▼ button to select **Input Lock**.
- 3 Press the **OK** button to enter.
- 4 Press the ▼ button to select a setting (i.e. TV, etc.).
- 5 Press the ◀/▶ buttons to adjust the setting.
- 6 When done, press the **EXIT** button to exit the menus or press the **MENU** button to return to the previous menu.



For the following options, Select **Lock** to block viewing without the password. Select **Unlock** to allow viewing at all times.

TV: This is the input connected to the Coaxial Video In Jack.

AV: This is the input connected to the AV Jacks.

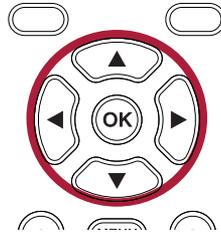
PC: This is the input connected to the VGA Jack

HDMI1-2: This is the input connected to the respective HDMI Jacks.

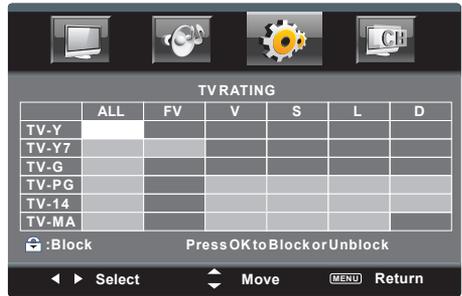
ON SCREEN DISPLAY

Setup Menu - Parental Control - US Rating Submenu

- 1 Access the Parental Control menu as described on page 23.
- 2 Press the **▼** button to select US and then press the **OK** button to enter.
- 3 Press the **▼** button to select TV and then press the **OK** button to enter.
- 4 Press the **◀/▶** buttons to select a rating and then the **OK** button to **BLOCK** (ratings at or above cannot be viewed) or **UNBLOCK** (ratings at or under can be viewed).



- TV-Y:** All ages
TV-Y7: Ages 7 and up
TV-G: General Audience
TV-PG: Parental Guidance
TV-14: Parental Guidance less than 14 years old
TV-MA: Mature Audiences Only



- 5 Press the **MENU** button to return to the previous screen. Press the **▼** button to select **MPAA** and then press the **OK** button to enter.
- 6 Press the **▲** button to Lock a desired MPAA (movie) rating (**G/PG/PG-13/R/NC-17/X/NA**). Press the **▼** button to Unlock.

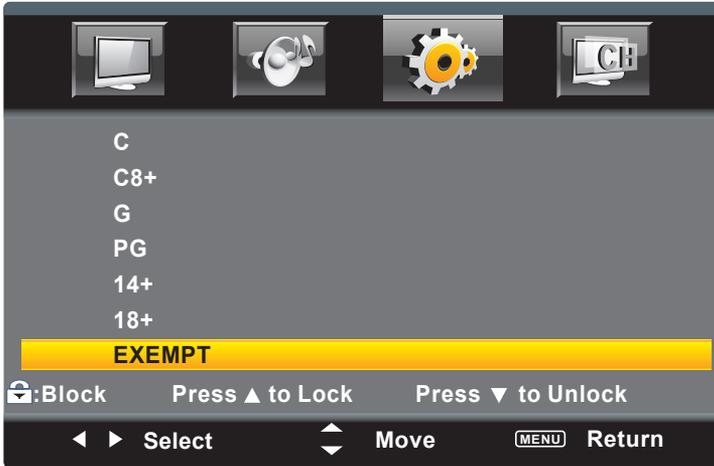


- G:** All ages
PG: Parental Guidance
PG13: Parental Guidance less than 13 years old
R: Under 17 years old, Parental Guidance suggested
NC17: 17 years old and above
X: Adult only
N/A: Permits all programs

- 7 When done, press the **EXIT** button to exit the menus, or press the **MENU** button to return to the previous menu.

This option is only available in TV mode.

Setup Menu - Parental Control - Canadian Rating Submenu



- 1 Access the Parental Control menu as described on page 23.
- 2 Press the ▼ button to select **Canadian Rating** and then press the **OK** button to enter.
- 3 Press the ▼ button to select **Canadian English** and then press the **OK** button to enter.
- 4 Press the ▲ button to Lock a desired Canadian English rating (**C/C8+/G/PG/14+/18+/EXEMPT**). Press the ▼ button to Unlock.
- 5 Press the **MENU** button to return to the previous screen.
- 6 Press the ▼ button to select **Canadian French** and then press the **OK** button to enter.
- 7 Press the ▲ buttons to Lock a desired Canadian French rating (**G/8ans+/13ans+/16ans+/18ans+/EXEMPT**). Press the ▼ button to Unlock.
- 8 When done, press the **EXIT** button to exit the menus or press the **MENU** button to return to the previous menu.

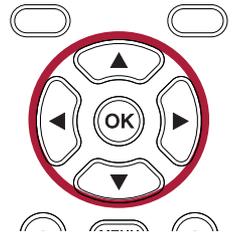


This option is only available in TV mode.

Setup Menu - Parental Control - RRT Setting

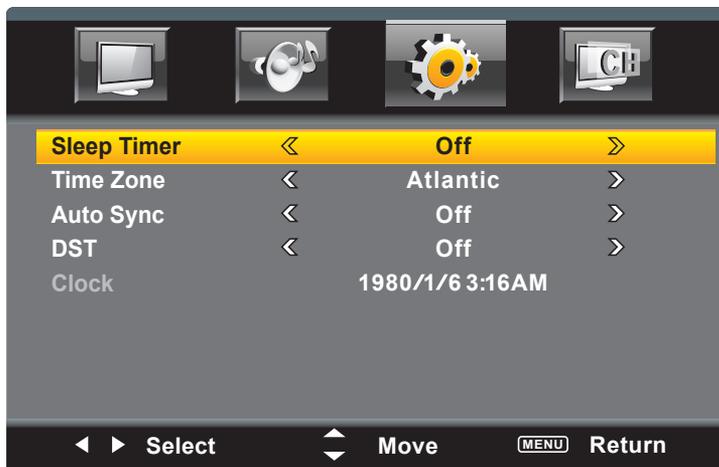


- 1 Access the Parental Control menu as described on page 23.
- 2 Press the ▼ button to select **RRT Setting*** and then press the **OK** button to enter.
- 3 Press the ▼ button to select a setting (i.e. Humor Level, etc.).
- 4 Press the **OK** button to enter the setting.
- 5 Press the ◀▶ buttons to adjust the setting.
- 6 When done, press the **EXIT** button to exit the menus or press the **MENU** button to return to the previous menu.

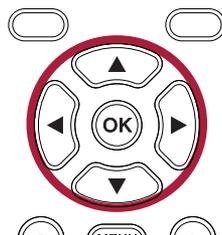


* This setting is only available when current stream has downloadable rating data, which is used with providers like DirecTV.

Setup Menu - Time Submenu



- 1 Access the Setup menu as described on page 22.
- 2 Press the ▼ button to select **Time**.
- 3 Press the **OK** button to enter.
- 4 Press the ▼ button to select a setting (i.e. Sleep Timer, etc.).
- 5 Press the ◀/▶ buttons to adjust the setting.
- 6 When done, press the **EXIT** button to exit the menus or press the **MENU** button to return to the previous menu.



SLEEP TIMER: Allows you to choose how long the TV will stay on before turning off. Set a desired sleep time from 5 minutes to 240 minutes, or select Off to turn the option off.

TIME ZONE: Set the Time Zone in which you reside in.

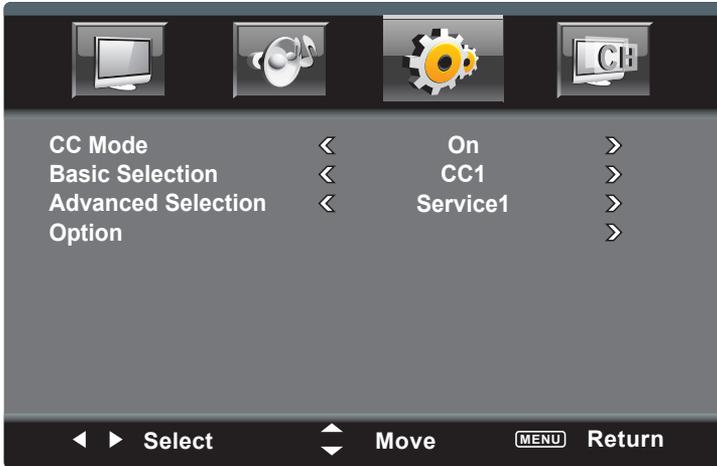
AUTO SYNC: The Auto Sync function will automatically set the built-in clock (Month, Day, Year and Time) when the unit is connected to an Antenna or Cable system and it is turned off. Set to On to activate this feature.

DST: Set On or Off depending on whether your area observes Daylight Saving Time.

CLOCK*: When Auto Clock is Off, follow the on-screen instructions to manually set the clock.

* This option is only available when the clock is not automatically set.

Setup Menu - Closed Caption Submenu



- 1 Access the Setup menu as described on page 22.
- 2 Press the ▼ button to select **Closed Caption**.
- 3 Press the **OK** button to enter.
- 4 Press the ▼ button to select a setting (i.e. CC Mode, etc.).
- 5 Press the ◀/▶ buttons to adjust the setting.
- 6 When done, press the **EXIT** button to exit the menus or press the **MENU** button to return to the previous menu.



CC MODE: Set the desired Closed Caption mode (**Off, On, CC On Mute**). Select **CC on Mute** and the TV will display Closed Captions when muted.

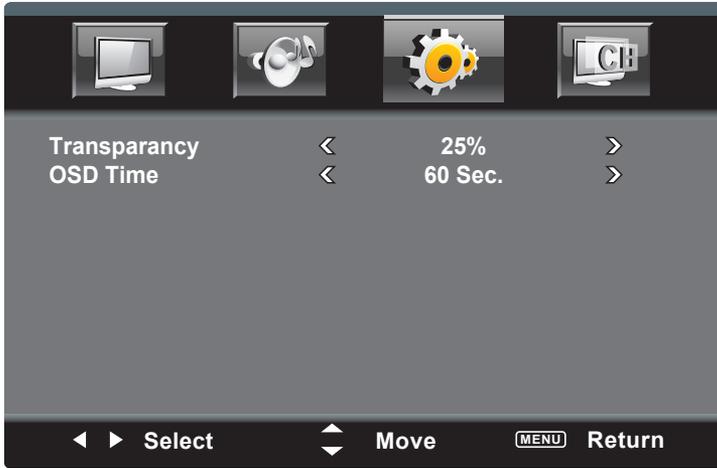
BASIC SELECTION: Set the desired Analog Closed Caption mode. Used during Analog broadcasting, CC1 will show the primary caption data, with captions representing the language as it is spoken on-screen. Different languages are shown using CC2, if broadcast.

ADVANCED SELECTION: Set the desired Digital Closed Caption mode (**Service1, Service2**, etc.). Used in digital broadcasting, Service1 will show the primary caption data, with captions representing the language as it is spoken on-screen. Different languages are shown using Service2, if broadcast.

OPTION*: Select to set the Closed Captioning appearance options such as fonts, colors, opacity, etc.

* This option is only available when the set is broadcasting Digital signals.

Setup Menu - Menu Settings Submenu



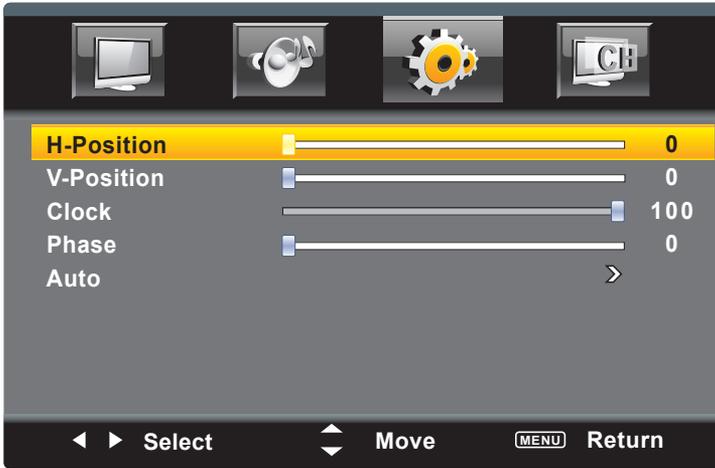
- 1 Access the Setup menu as described on page 22.
- 2 Press the ▼ button to select **Menu Settings**.
- 3 Press the **OK** button to enter.
- 4 Press the ▼ button to select a setting (i.e. Transparency, etc.).
- 5 Press the ◀/▶ buttons to adjust the setting.
- 6 When done, press the **EXIT** button to exit the menu or press the **MENU** button to return to the previous menu.



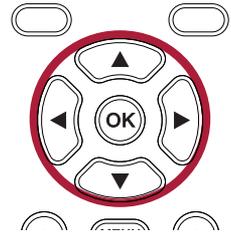
TRANSPARENCY: Set the desired transparency of the menus.

OSD TIME: Set the desired time the menu will appear on the screen without a button being pressed.

Setup Menu - VGA Settings Submenu



- 1 Access the Parental Control menu as described on page 23.
- 2 Press the ▼ button to select **VGA Settings**.
- 3 Press the **OK** button to enter.
- 4 Press the ▼ button to select a setting (i.e. H-Position, etc.).
- 5 Press the ◀/▶ buttons to adjust the setting.
- 6 When done, press the **EXIT** button to exit the menus or press the **MENU** button to return to the previous menu.



H-POSITION: Set the desired horizontal positioning.

V-POSITION: Set the desired vertical positioning.

CLOCK (Clock Phase): Set the desired Clock Phase which will minimize any vertical bars or stripes visible on the screen background as well as the horizontal size.

PHASE: Set the desired Phase, which will allow you to remove any horizontal noise and clear/sharpen the image.

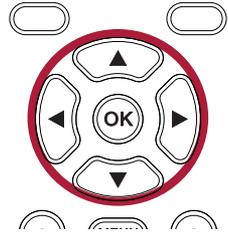
AUTO: Select to have the TV automatically adjust these settings.

This option is only available in the PC mode.

Channel Menu (must be in TV Mode)



- 1 Press the **MENU** button to bring up the On-Screen menu.
- 2 Press the ◀/▶ buttons to select **Channel**.
- 3 Press the ▼ button to select a setting (i.e. Antenna, etc.).
- 4 Press the ◀/▶ buttons to adjust the setting, or press the **OK** button to enter certain settings.
- 5 Press the ◀/▶ buttons to adjust the setting.
- 6 When done, press the **EXIT** button to exit the menus or press the **MENU** button to return to the previous menu.



ANTENNA: Select **Air** (if using an antenna) or **Cable** (if using cable).

AUTO SCAN: This will start Auto Scanning the channels and will save any strong broadcasting channels for easy selection using the Channel Up/Down buttons.

FAVORITE: Enter your favorite channels on this screen.

SHOW/HIDE: Select which channels will be shown or hidden. Select **Show** for a channel that was not recognized in Auto Scan. Select **Hide** to skip a channel previously recognized in Auto Scan.

CHANNEL NO.: Select a Channel Number to show or hide directly from the menu.

CHANNEL LABEL: Allows you to change the channel labeling and name them as desired.

DTV SIGNAL: Displays the signal intensity of Digital TV programming.

Setup Wizard

Setup Wizard: Many of the options can be set up using the Setup Wizard as follows:

1 When the TV is turned on for the first time, the setup menu will appear. Set the options as follows.

2 Press the ▼ button to select **Menu Language**.

3 Press the ◀/▶ buttons to select the desired menu language.

4 Press the ▼ button to select **Time Zone**.

5 Press the ◀/▶ buttons to select the desired Time Zone.

6 Press the ▼ button to select **Daylight Saving Time (DST)**.

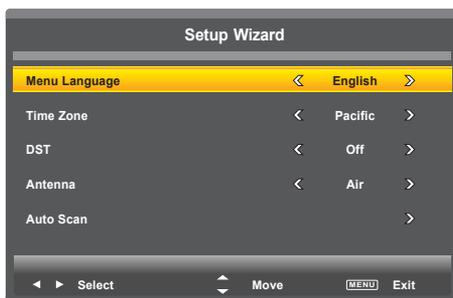
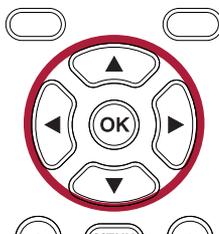
7 Press the ◀/▶ buttons to turn Daylight Saving Time On or Off.

8 Press the ▼ button to select **Antenna**.

9 Press the ◀/▶ buttons to select **Air** (if using an antenna) or **Cable** (if using cable).

10 Press the ▼ button to select **Auto Scan** and then press the **OK** button to enter. The TV will then go through the available channels and save the ones that have strong broadcast signals. Please be aware that this step may take some time.

11 When done, press the **EXIT** button to exit the menus.



Main Operation

- 1 Make sure the TV is plugged into a 120V/60Hz three-pronged outlet as explained on pages 11 and 12.
- 2 Press the **Power** button 1 to turn on the unit; the blue Standby indicator will turn off.
- 3 Press the **SOURCE** button 17 followed by the Navigation ▼▲ buttons 5 to select the desired mode. Press the **OK** button 4 to confirm.

INPUT SOURCE	
TV	
AV	
PC	
HDMI1	
HDMI2	
- 4 Adjust the volume level by pressing the **VOLUME Up** or **Down** button 7.
- 5 For proper operation, before selecting channels, they must be set into the unit's program memory (see page 32).
- 6 Press and release the **CHANNEL Up** or **Down** button 22. The TV automatically stops at the next channel set into memory.

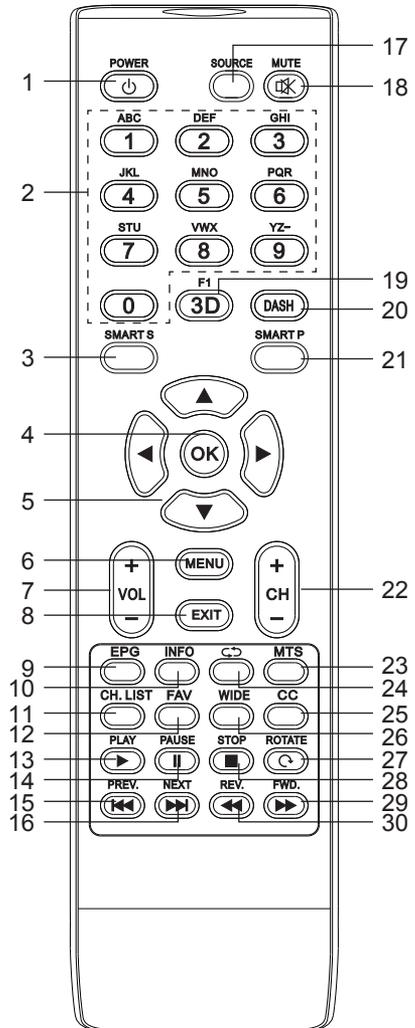
You can also select a channel directly using the **DASH** 20/0-9 2 buttons followed by the **OK** button 4.

FUNCTION BUTTON OPERATION:

MUTE Button 18: Press to mute the sound. Press again to restore.

F1/3D Button 19: Press to freeze the picture on the screen. Press again to resume the video.

This set is not 3D, so the 3D portion of the button does not perform any function.



Main Operation

SMART Sound Button **3**: Press to select the desired Sound mode.

SMART Picture Button **21**: Press to select the desired Picture mode.

EPG Button **9**: When viewing a digital source, press to display the Electronic Program Guide.

INFO Button **10**: Display some information of current program in TV mode. Will show info about the selected device when in other modes.

Return  Button **24**: Press to return to the previously selected channel.

MTS Button **23**: When a stereo signal is being broadcast, press this button to select mono or stereo sound.

When an SAP program is received, press this button to select mono or SAP

When stereo and SAP broadcast is received, press this button to select mono, stereo or SAP.

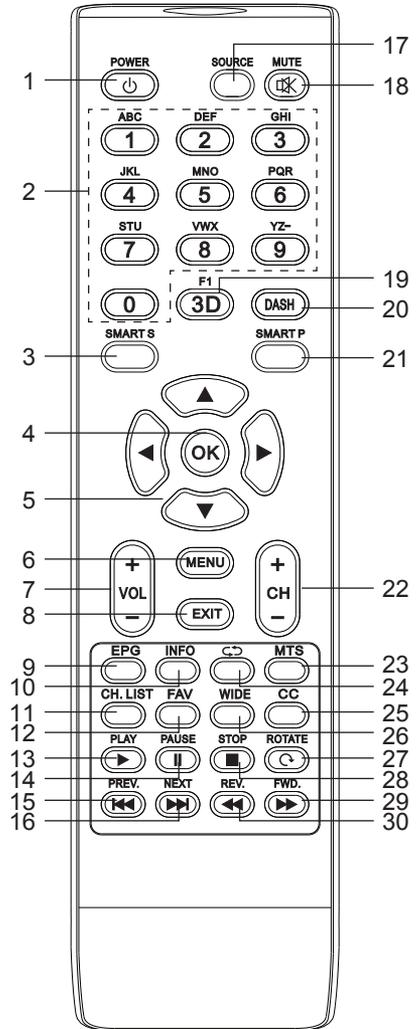
Press this button to show the list of audio languages available for the current channel in ATSC broadcasts.

CH. (Channel) LIST Button **11**: Press to display the channel list mode.

FAV (Favorite) Button **12**: Press to select access your Favorite Channel List.

WIDE Button **26**: Press to adjust the picture aspect ratio.

CC Button **25**: Press to turn Closed Captions On or Off.



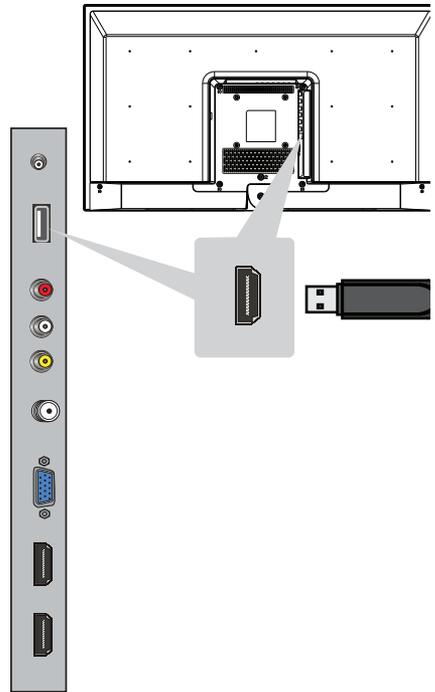
The lower eight buttons are used when a USB drive is inserted, described in detail on page 37.

USB Media Operation

- 1 With the power off, connect a USB device to the USB jack.

USB Notes:

- This unit can play audio or picture files.
- Media formats have limitations so some files will not play properly or will give an error.
- Do not unplug the USB device while playing, or else it will cause system or device error.
- The system supports USB flash drive and removable hard disks with standard USB1.1 or USB2.0 interface transmission protocol. The file format of USB device must be FAT or FAT32, and cannot be NTFS.
- The USB jack supplies a voltage of 5V and the maximum current is 500mA; accurate identification of the multimedia player will be affected when a storage device above 500mA is used, which is normal.



- 2 Press the **Power** button **1** to turn on the unit; the blue Standby indicator will turn off.

- 3 Press the **SOURCE** button **17** followed by the Navigation **▼▲** buttons **5** to select **MEDIA**. Press the **OK** button **4** to confirm.

See the following page for Function buttons.



USB Media Operation

FUNCTION BUTTON OPERATION:

Many of the same TV buttons (Volume, Mute, etc.) work with the USB, but the eight bottom buttons (and **INFO** button) provide functions as shown below. Note that many of these functions can also be accessed from the screen by selecting the respective icon using the **Navigation** buttons **5** and pressing the **OK** button **4**.

PLAY Button **13**: Press to start a slideshow in the Photo mode or start playback in the Music mode.

PAUSE Button **14**: Press to pause the slideshow or music.

STOP Button **28**: Press to stop the slideshow or music.

ROTATE Button **27**: Press to rotate the image on the screen, if file can be rotated. The on-screen rotate allows the picture to rotate clockwise or counter-clockwise.

Previous **15** Button **15**: Press to skip to the previous photo/file.

Next **16** Button **16**: Press to skip to the next photo/file.

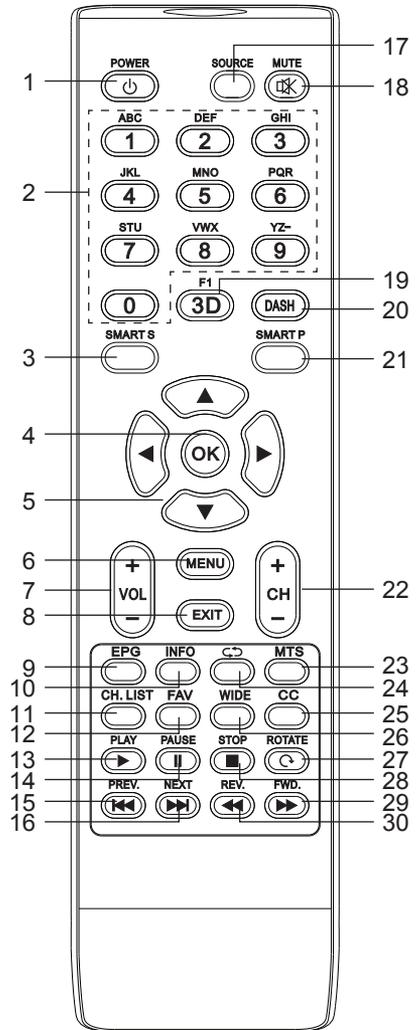
Reverse **15** Button **30**: Press to search backwards.

Forward **16** Button **29**: Press to search forwards. Press the Play button **13** to resume normal playback.

INFO Button **10**: Press to view the information on the selected/playing photo/file.

EXIT Button **8**: Not Used.

MENU Button **6**: Not Used.



USB Media Operation

TOOLBAR:

The Toolbar has the similar functions of the buttons described on the previous page. There are also some extra functions that can be performed by selecting them using the **Navigation** buttons **5** and pressing the **OK** button **4**.

PLAYLIST (Photo Mode only): Press to view the playlist.

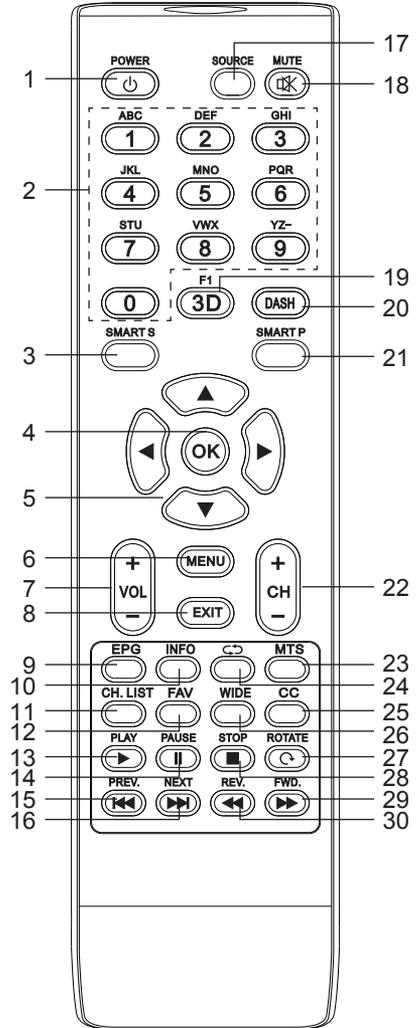
INFO (Photo Mode only): Press to view the information on the selected/playing photo/file.

ROTATE (Photo Mode only): Press to rotate the photo Clockwise or Counter-Clockwise 90°.

ZOOM IN (Photo Mode only): Press to zoom in on a photo.

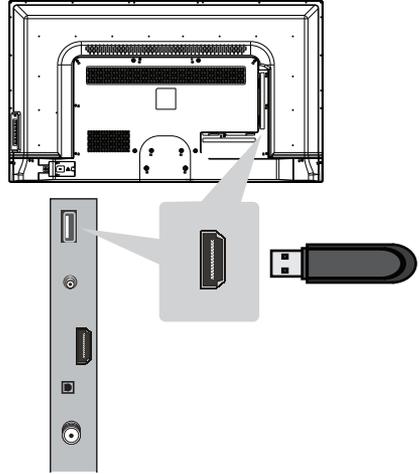
ZOOM OUT (Photo Mode only): Press to zoom out of a photo.

Note: The Toolbar will always be on screen during Audio Mode.



UPGRADING THE FIRMWARE

1 On your computer, download the updated firmware from WWW.MEMOREX-CE.COM. Change the name of the file to merge.bin and put this firmware file onto a USB drive or similar device. Make sure to put the file onto the root drive.



2 With the power off (Standby mode), connect the USB device to the USB jack. Then press and hold the CHANNEL Up and the VOLUME + buttons (**ON THE TV, not the remote**) simultaneously until the Standby indicator blinks, which indicates the unit is updating the firmware.

3 When done updating, the Power indicator will blink rapidly. Press the **Power** button to turn the unit off, remove the USB device and then turn the power back on.

Your TV is now updated with the latest firmware.

TROUBLESHOOTING

If you have any trouble with your system, try these simple steps which should handle most common issues.

Problem	Possible Solution
No picture.	<p>Connect power cord securely.</p> <p>Turn on power.</p> <p>Equipment is not connected properly.</p> <p>The Input source is not selected; press the SOURCE button to select the desired input.</p>
No sound.	<p>Equipment is not connected properly.</p> <p>The Input source is not selected; press the SOURCE button to select the desired input.</p> <p>The connected receiver's power is off.</p> <p>Earphones are connected to Earphone jack.</p> <p>Adjust the Volume, or press the Mute button to un-mute.</p>
Closed Captioning not working.	<p>TV Signal is weak.</p> <p>Closed Captioning is not turned on (see page 29).</p>
Remote Control does not operate.	<p>Remote is not aimed at sensor (bottom right of TV).</p> <p>Distance is too far or too much light in the room.</p> <p>There is an obstacle in the path of the beam.</p> <p>The batteries are dead or not inserted correctly.</p>
Parental Control not working properly.	<p>Lock is turned off.</p> <p>News or Sports event being broadcast.</p> <p>Ratings not set (see page 23).</p>
No Sound with PC connected.	<p>There is no Audio input on this set, so no audio is normal.</p>
Picture does not cover the entire screen.	<p>If using HDMI or viewing a TV digital broadcast, make sure you use the WIDE button to switch to 16:9 format.</p> <p>If using regular analog TV, AV, or component with 480i resolution, use the WIDE button to switch to Wide format in order to fill up the screen. This feature will distort the picture.</p>

TROUBLESHOOTING

Problem	Possible Solution
Poor picture.	For best image quality, view HD widescreen programs where possible. If HD content is not available view in Standard Definition from a digital source. Standard, analog TV will always be noticeably inferior to HD because your TV has video that is many times better than old TV's, so now you can see interference and deficiencies you did not know you had.
Black box is in the middle of the screen.	Closed Captioning is turned on and set to TEXT1-TEXT4. Set to one of the CC options or turn off.
TV automatically turns off.	Sleep Timer is set (see page 28). If no signal is received for ten minutes, this TV will automatically turn off.

SPECIFICATIONS

Power Source.....	AC 120 V, 60 Hz
Power Consumption.....	Less Than 55 W
Max Resolution.....	1920 x 1080
Speakers.....	6 W + 6 W
Weight (including base).....	Approx. 13 lbs
Operating Temperature	+5°C to +40° C
Supported Systems.....	ATV, NTSC, DTV, ATSC
HDMI Video Input	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
Refresh Rate	60
Brightness	240
Contrast Ratio	1200 to 1
Response Time	8 ms

