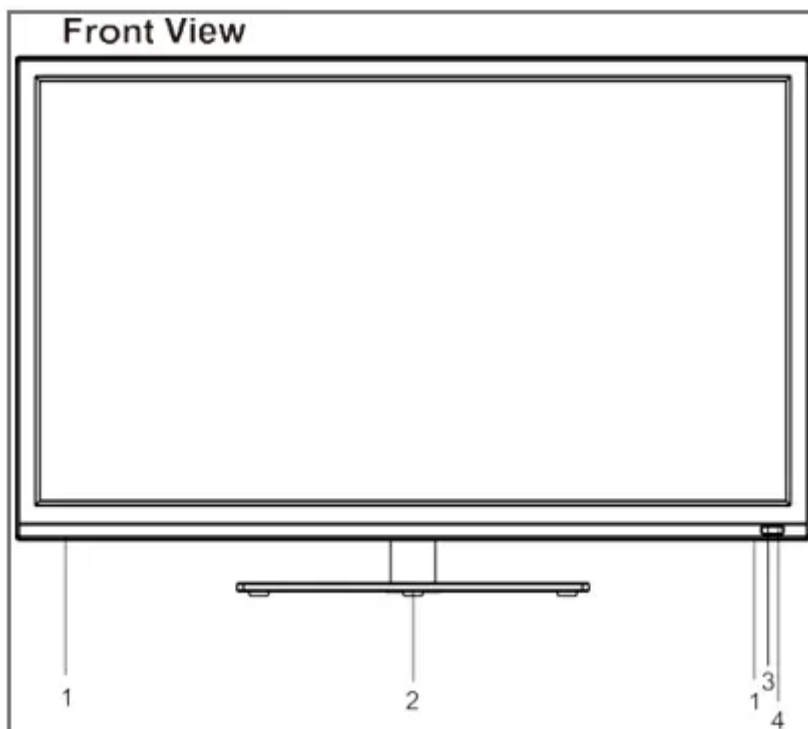
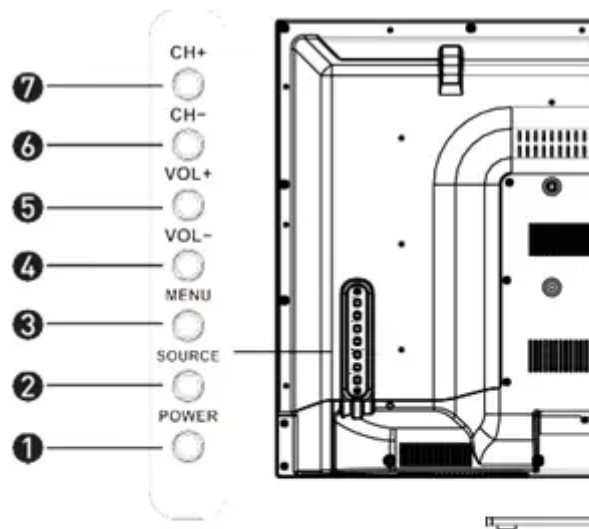


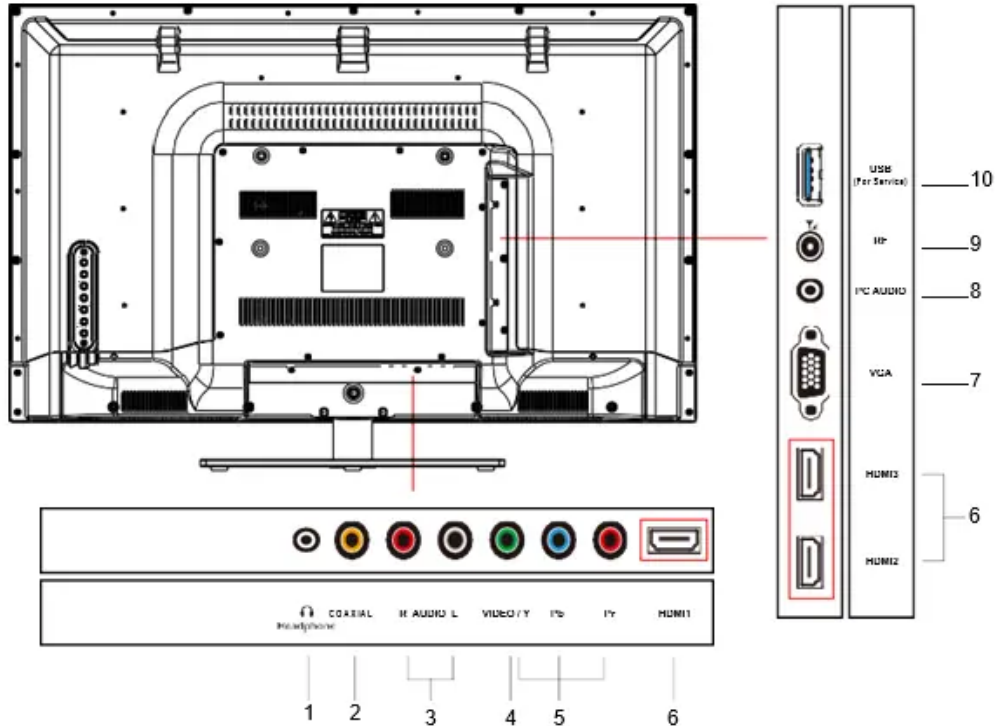
LOCATION OF CONTROLS





- | | |
|------------------|----------------|
| 1. POWER button | 5. VOL+ button |
| 2. SOURCE button | 6. CH- button |
| 3. MENU button | 7. CH+ button |
| 4. VOL- button | |

Rear View

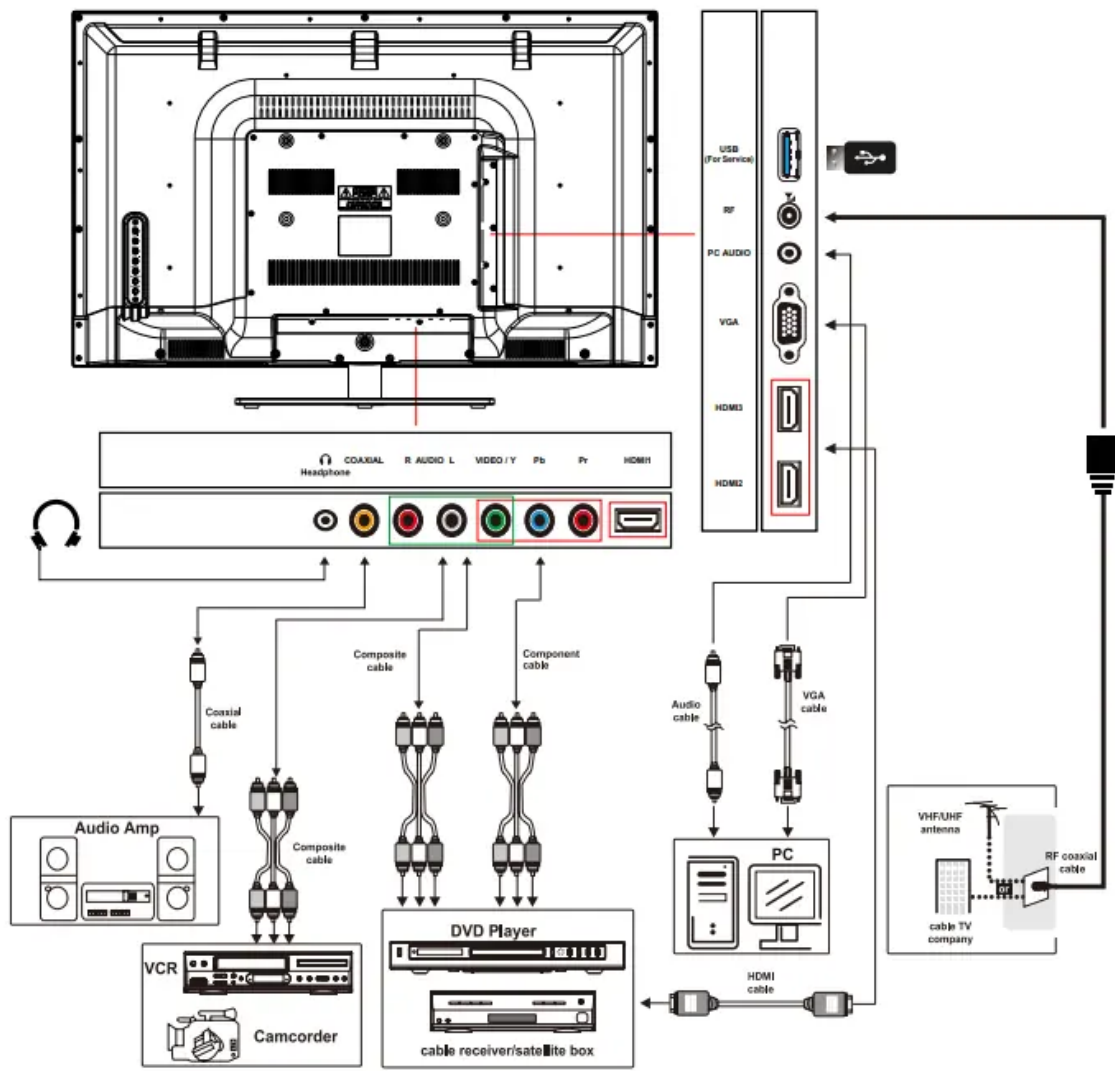


- | | | | |
|-------------------|--------------------|--------------------------|-----------------------|
| 1. Headphone Jack | 4. VIDEO Jack | 7. VGA Input | 10. USB (For Service) |
| 2. COAXIAL Output | 5. Component Input | 8. PC Input | |
| 3. Rear AV Input | 6. HDMI Input | 9. 75 ohm Antenna Socket | |

External Device Connections

You can enjoy picture, sound and a PC monitor by connecting a DVD player, video game system or computer to the inputs located on the rear of the LED TV set.

- For the cable, use a commercially available audio/video cable.
- For more information about external device connections, see the operation manuals of your external devices.
- Make sure that the corresponding cables are connected to each input. Connecting other cables) may result in a malfunction.
- VIDEO and S-VIDEO inputs: If your external device has an S-VIDEO output, S:VIDEO connection is recommended. S-video provides a finer, more detailed picture. If inputs are connected, S-VIDEO input takes a priority.
- Component Input (YPBPr): Picture can be displayed only when a 480i or 480p or greater signal is received.



Remote Control



1. **POWER** Turns the LED TV on and off (standby mode).
2. **SOURCE** Press to display the source menu on the screen. Using the Navigator ▲ or ▼ buttons to select the source as desired then press (ENTER) button to confirm your selection.
3. **S.MODE** Sound Mode, press repeatedly to select the presetting sound effect modes.
4. **P.MODE** Picture Mode, press repeatedly to select the preset picture modes.
5. **SLEEP** Press repeatedly to activate and/or set the sleep timer.
6. **ASPECT** Press repeatedly to select the aspect ratio of screen as desired.
7. **MTS** In NTSC receiving mode, press to select the audio modes to Mono, Stereo or SAP. In ATSC Digital receiving mode, press to display the audio selection menu on the screen. Using the Navigator ▲, ▼ button to select the desired audio mode.
8. **CC** Press repeatedly to activate and/or set the CC (Closed Caption Display) modes.
9. **ADD/ERASE** In FAV display mode, press to increase or delete the highlighted channel
10. **FAV.** Show the list of favorite channels
11. **EPG** Press to display the Electronic Program Guide in digital TV channels (Operation in ATSC mode only functions on signals emitting from TV station)
12. **DISPLAY** Press to display the information; settings and the status of current mode/station on the screen
13. **▲ ▼ ▶ ◀ / ENTER** Press to move the cursor within the setting menu.
- ENTER** Press the ENTER button to confirm the selection. Press the "ENTER" button, the check mark will appear to the channel, and the channel is marked as channel list.
14. **MENU** Displays the setting menu on the screen.
15. **EXIT** Press to exit from the setting menu.
16. **MUTE** Turn off the sound temporary. Press again to turn the sound back.
17. **VOL+ / VOL-** Press to increase or decrease the volume level
18. **CH+ / CH-** Press to increase or decrease the channel number
19. **0-9** Numeric buttons.

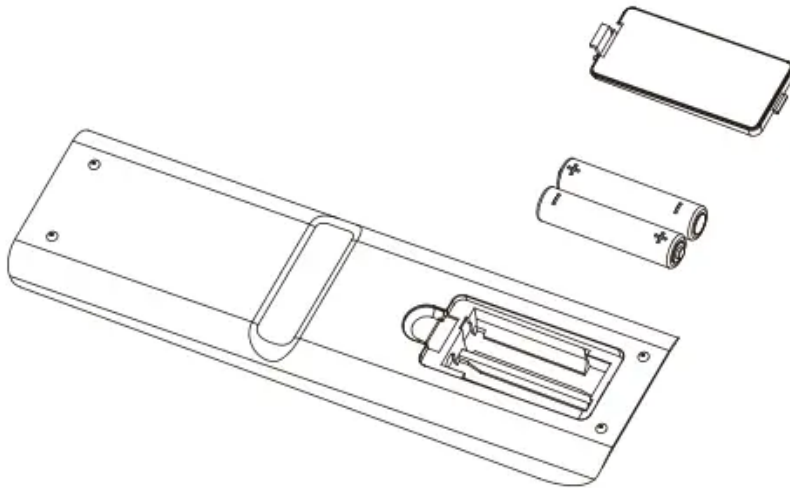


20. **•** For direct access a digital TV channel. (For an example, when access a digital TV channel number 5-1, press button "5" + "." + "1")
21. **SWAP** Return to previous channel.

Inserting Remote Control Batteries

On the back of the remote control, push down the cath on the battery compartment cover and lift. Insert the two AAA batteries supplied, ensuring that you follow the polarity diagram inside the battery compartment

Refit the cover



Battery Disposal

Please ensure batteries are disposed safely. Never dispose batteries in a fire or with household waste. Check with your local authority for disposal regulations.

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

CAUTION

Do not attempt to recharge, short-circuit, disassemble, heat or throw the batteries into the fire.

Placing with wrong or mixed polarities batteries will result in damage to the batteries and/or may result in a malfunction of the unit

Do not mix old and new batteries

Dispose of batteries properly in accordance with local law.

Do not mix alkaline, standard (carbon-zinc), or chargeable (nickel-cadmium) batteries.

Using Remote Control

Changing Channels

- Press the "**CH + / -**" buttons to change higher or lower stored main channels and sub-channels.
- Press numeric button "**0-9**" and "**●**" button to select the main channels and sub-channels then press the "**ENTER**" button to confirm.

For example: to select CH90-2

- Press number "**9**" and number "**0**" button then press the "**●**" button and press number "**2**" button.

Then press the **"ENTER"** button to confirm

To review the stored Channel

- Press the **"ENTER"** button to review the stored channels.

To Select the Favorite Channel

- Press the **"FAV."** button to enter to favorite channel list, to select the desired channel press the **"▲ / ▼"** button then press the **"ENTER"** button.

To Change to Audio Channel

- Press the **"MTS"** button to choose the desired audio channel if the bilingual language is available by the broadcasting station.

To review the station information

- Press the **"DISPLAY"** button to review the station informations.

To review the program information

- Press the "EPG" button to enter to the guide menu, and press the **"◀ / ▶"** button to see next page if the contents of information is more than one page.

To change the screen aspect ratio

- Press the **"ASPECT"** button to change the aspect ratio of picture size

To return back to the previous channel viewed

- Press the **"SWAP"** button to review the previous channel.

To turn on or turn off the close captioning

- Press the **"CC"** button to turn ON or turn OFF close caption function.

To change the picture effect

- Press the **"P.MODE"** button to select the picture effect.
- There are four modes for picture with different effect.

User (The picture brightness/contrast/color/sharpness is preset by user)

Standard (Fixed mode for normal condition)

Dynamic (Fixed mode for day time with high brightness environment)

Mild (Fixed mode suitable for bedroom without light condition)

To set the sleep time

- Press the **"SLEEP"** button to select a predetermined time the TV will turn off. The sleep time can be set to count down from 15 to 240 minutes.

To mute the sound

- Press the **"MUTE"** button to mute the sound, press once again to resume the sound.

To select Input mode

- Press the **"INPUT"** button to select source model.



AUTO POWER OFF

If no signal is continuously detected from the antenna or broadcasting for more than 10 minutes, the TV will power-off automatically.

OPERATING YOUR TV

Once you have connected your TV to an antenna or cable system, plugged the TV in, and put batteries in the remote, you are ready to use the TV. The first thing you should do is program your TV to memorize all of the available channels in your area.

Turning Your TV On

To turn your TV ON, press the  button on the remote control or press the  button on the front panel. (The LED light is red when the TV is in the standby mode and blue when powered up.)




First time installation

When you power ON the unit for the first time, the screen will show the initial setup dialog.

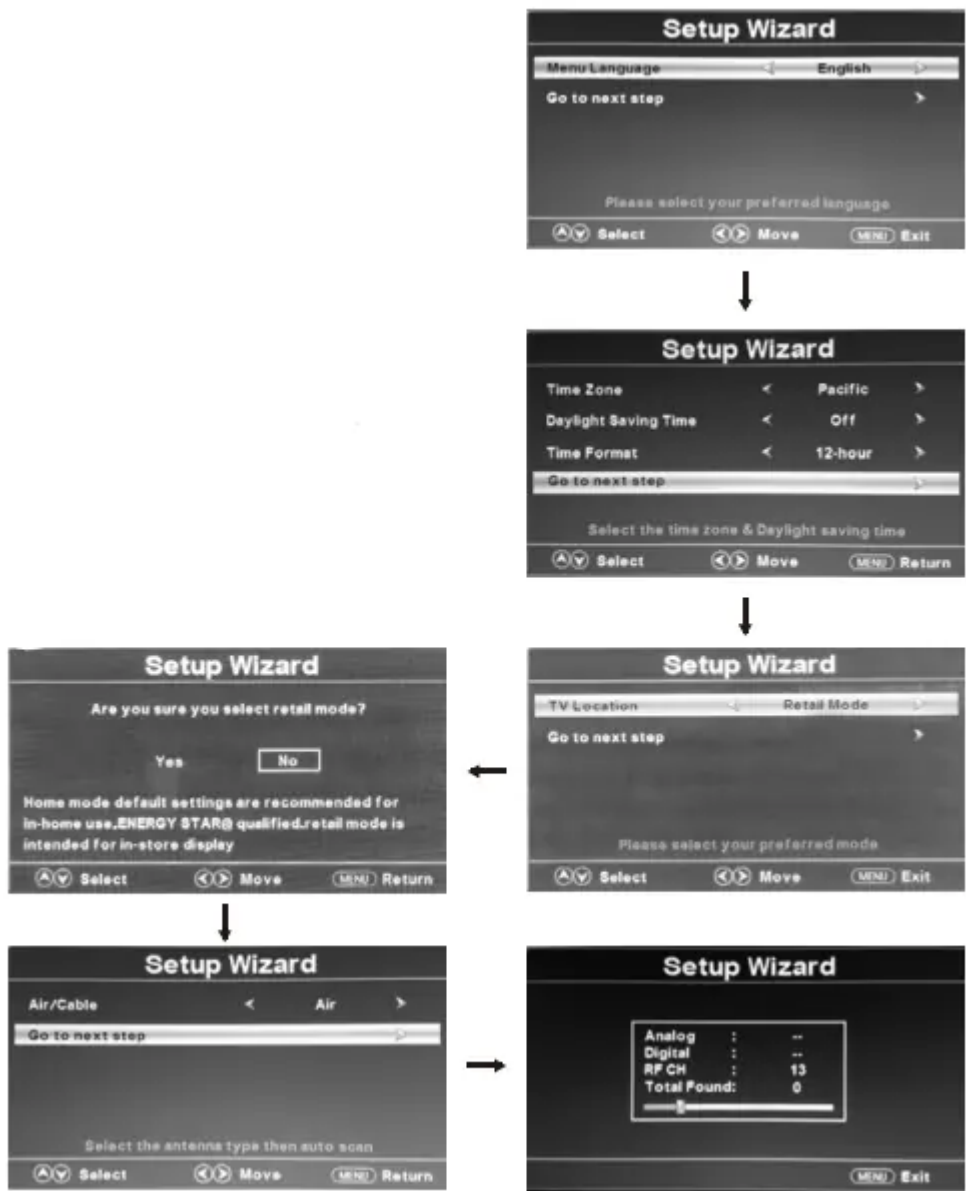
There are 6 options in the initial setup menu:

- **Menu Language:** English, Français, Español
- **Time Zone, Daylight Saving Time, Time Format:**

Press the  button to select.

- In **Retail Mode**, the television provides a more dynamic picture that will increase power consumption beyond Energy Star standards.
- In **Home Mode**, the television display meets Energy Star standards to reduce power consumption.
- **Signal type:** Air, Cable
- **Auto Channel Search:** Execute
- Press the  button to highlight the desired menu language or signal type and press the  button to select the desired menu language and signal type.
- Press the  button to highlight **Auto Channel Search** and press the **"ENTER"** button to perform the auto channel scan. The auto scan process will take about 30 minutes, while the auto scan process is finished then the first memorized channel will appear on the screen.

You can scan for channels at any time using the following instructions:



Chanel Programming

1. Press the "MENU" button on the remote control, then press the "▲/▼" button to highlight **CHANNEL**. and press the "ENTER" button to access to the sub-menu.

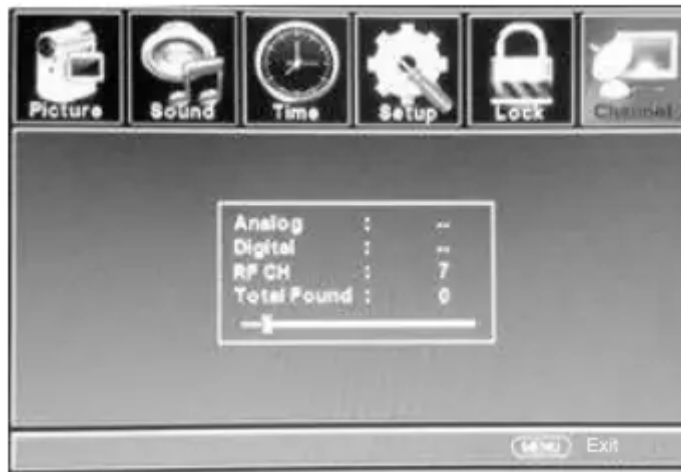
There are 6 items in **CHANNEL** Sub-menu:

- Air/Cable
- Auto Scan
- Favorite
- Channel List
- Show/Hide
- Channel Number
- Channel Label



2. Press the "▼" button to highlight **Signal Type**, then press the "▶" button to select desired **Air** or **Cable**.

- Press the "▼" button to highlight **Auto Channel Search**, and press the "ENTER" button to launch the Auto channels scanning. The scanning process will take about 30 minutes or more (depends on how many TV stations are in your area), when the auto scanning process is finished the first memorized station will appear on the screen.



Channel Label

- Press the "▼" button to highlight the **Channel Label** then press the "ENTER" button to access.
- Press the "◀/▶" button to move the position of cursor, then press the "▲/▼" button one or more times to select each desired character for the name of channel.



Picture

Press the **"MENU"** button then press the "@[IMAGE]" button to highlight the **PICTURE** and press **"ENTER"**

button to access to the sub-menu.

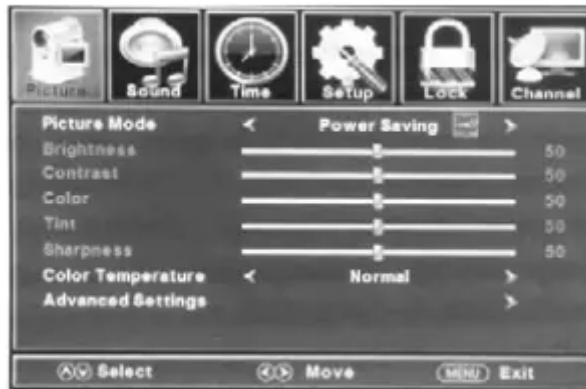
There are 7 items in the menu:

- Picture Mode
- Brightness
- Contrast
- Color
- Tint
- Sharpness
- Color Temperature
- Advanced Settings



Picture settings

- Press the “▲/▼” button to highlight **Picture Settings** and press the “ENTER” button to enter to the sub-menu.
- In sub-menu press the “▲/▼” button to high light desired item that you want to adjust, then press the “◀/▶” button to change the parameter of selected item.
- Picture Mode: Standard, Dynamic, Soft,
- Power Saving or User.
- Brightness
- Contrast
- Color
- Tint
- Sharpness
- Color Temperature
- Advanced Settings

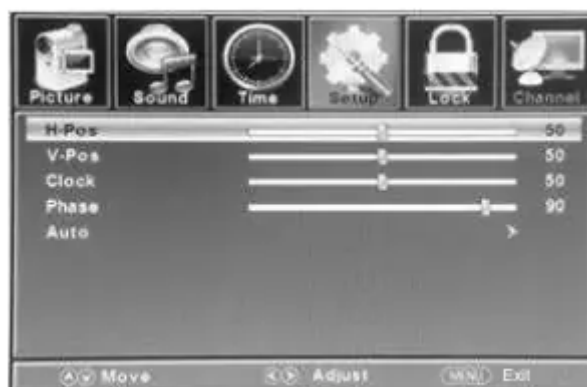


PC Settings

When **PC Settings** is highlighted, press the “**ENTER**” button to enter to the sub-menu, then press the “▲/▼” button to highlight desired item which you want to adjust, then press the “◀/▶” button to change the parameter of selected item.

- H-Pos
- V-Pos
- Clock
- Phase
- Auto

Press the “**MENU**” button to close the menu.



PC input signal chart

The following chart shows the suggested screen resolutions

Format	Resolution	Freq.(Hz)
VGA	640 x 480	60/72
SVGA	800 x 600	60/72
XGA	1024 x 768	60/75
WXGA	1366 x 768	60

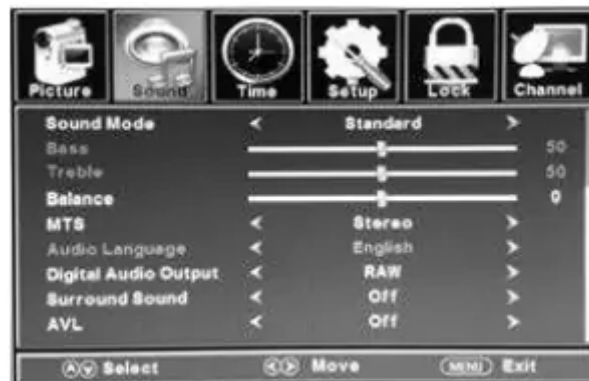
If “Unsupported” appears on the screen, adjust the PC display setting to correspond to one of the settings in the above table.

Sound

Press the “MENU” button then press the “▼” button to highlight the **SOUND** and press “ENTER” button to access to the sub-menu.

There are 6 items in the menu:

- **Sound Mode**
- **Bass**
- **Treble**
- **Balance**
- **MTS**
- **Audio Language**
- **Digital Audio Output**
- **Surround Sound**
- **AVL**



Sound Mode

- Press the “▲ / ▼” button to highlight **Sound Mode** and press the “ENTER” button to enter to the sub-menu.
- In sub-menu press the “▲ / ▼” button to high light desired item that you want to adjust, then press the “◀ / ▶” button to change the parameter of selected item.
- **Sound Mode: Standard, Music, Movie**
 - **Sports or User.**
 - **Bass**
 - **Treble**
 - **Balance**



Parental Control

The parental control menu provide the ability to set rating that block programming that may be inappropriate for the viewing audience such as programs and movies that contain violence, adult language or nudity.

- Press the “MENU” button then press the “▼” button to highlight the **PARENTAL CONTROL** and press “ENTER” button to access to the sub-menu.

To make setting, need to input 4 digit password (the default password is 0000)

There are 3 items in the menu:

- **Change Password**
- **System Lock**
- **Input Block**
- **US Rating**
- **Canada Rating**
- **RRT Setting**

- Reset RRT



USA TV Ratings as determined by FCC



Rating	Description
TV-Y	All children
TV-Y7	Children over seven years of age
TV-G	General audiences
TV-PG	Parental guidance suggested
TV-14	Parents strongly cautioned
TV-MA	Mature audiences only

Rating	Description
FV	Fantasy violence
V	Violence
S	Sexual situations
L	Adult language
D	Sexually suggestive dialog



USA Movie Ratings as determined by the MPAA (Motion Picture Association of America)

Rating	Description
G	General audiences
PG	Parental guidance suggested. Some material may not be suitable for children.
PG-13	Parental guidance strongly suggested. Some material may not be suitable for children under 13 years of age.
R	Restricted. Not suitable for children under 17 years of age unless accompanied by a parent or guardian.
NC-17	Not suitable for children under 17 years of age.
X	Adults only



Canada English(Movies parental control level)

Rating	Description
C	Children
C8+	Children 8 years and above
G	General audience
PG	Parental guidance suggested
14+	8 years old and above
18+	Adult programming



Canada French(Movies parental control level)

Rating	Description
G	Children
8ans+	Children 8 years and above
13ans+	Children 13 years and above
16ans+	Children 16 years and above
18ans+	Children 18 years and above



Setup

Press the “**MENU**” button then press the “**▼**” button to highlight the **SETUP** and press “**ENTER**” button to access to the sub-menu.

There are 5 items in the menu:

- **Menu Language**
- **Transparent**
- **OSD Timeout**
- **Closed Caption**
- **Over Scan**
- **Input Label**
- **Other Settings**
- **Restore Default**
- **Setup Wizard**



Date & Time

Press the **"MENU"** button then press the **"▼"** button to highlight the **TIME** and press **"ENTER"** button to access to the sub-menu.

There are 5 items in the menu:

- **Sleep Timer**
- **Time Zone**
- **Daylight Saving Time**
- **Time Format**
- **Auto Clock**
- **Clock**



Changing Channels

- Press the “CH+” or “CH-” button on the unit or on the remote control to change to higher or lower channels or press the numeric button to key in the channel number directly.

Use the numeric button to select the main channel and sub-channel(Digital channels):

In digital TV mode, a main channel can have one or more sub-channels, to select the main and sub channel by following below procedures:

- Press the numeric buttons(0-9) on the remote control, and input the desired main channel, and press the “●” button to input to the sub-channel number.

For example:

If you want to watch channel 5.2, press “5” then “●” then the “2” buttons.

Add or delete channels to the favorite list:

- Press the “ENTER *” button to enter to the **Channel List** menu.
- Press the “▲ / ▼” button to select a channel which you want to add or delete to the favorite channel list.
- Press the “ENTER” button, the check mark will appear to the channel, and the channel is marked as channel list.
- Repeat the same procedure for other channels.
- Press the “MENU” button to exit.



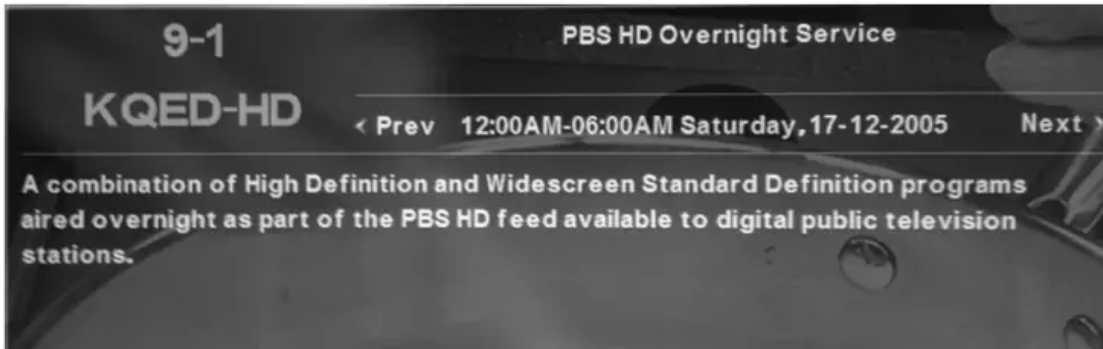
Use the favorite channel list

1. Press the “FAV.” button on the remote control and the favorite list will appear on the screen.
2. Press the “▲ / ▼” button to highlight the desired channel that you want to watch, then press the “ENTER” button to call out this channel.



Use The Electronic Program Guide(EPG)

Your TV has an Electronic Program Guide (EPG) that supplies information, such as program lists and start and end times for programs. In addition, detailed information about the program is often, available in the EPG. (The availability and the amount of program details will vary depending on the broadcaster.)



To use the EPG

- In digital TV mode, select a channel you want to watch.
- Press the “**EPG**” button on the remote control and the EPG menu will appear with the currently active channel.
- By repeatedly pressing the “▲/▼” button, the information for additional future programs will be displayed.
- Press the “◀/▶” button to select the previous or next program.
- Press the “**EPG**” button one or more times to close the menu.

TROUBLE SHOOTING

Your television is designed to give you trouble-free performance for many years. If you have a problem with your TV, try the solutions listed below.

There is no picture or sound, or the TV doesn't turn on.

- Make sure the TV is plugged in.
- Make sure MUTE is not set on.
- Make sure the POWER is on.
- Make sure a headphone is not inserted.
- If there is neither picture nor sound, unplug the TV for 30 seconds, then plug it in and try again.

There is no picture or sound on some UHF channels.

- Try another station. If the other stations are OK, it may be a station problem.
- Check that the antenna is connected and adjusted correctly, in good working order and has no broken wires.
- See if anything is interfering with the antenna signal.

The sound is OK, but the picture is poor.

- Try another station. If the other stations are OK, it may be a station problem.
- Check that the antenna is connected and adjusted correctly, in good working order and has no broken wires.

There is poor reception on some channels.

- Try another station. If the other stations are OK, it may be a station problem.
- Check that the antenna is connected and adjusted correctly, in good working order and has no broken wires. Antenna not included.

The picture rolls, slants, shows lines, is grainy, has poor color, or has ghosts.

- Try another station. If the other stations are OK, it may be a station problem.
- Check that the antenna is connected and adjusted correctly, in good working order and has no broken wires.
- See if anything is interfering with the antenna signal.

The remote control does not work.

- Make sure the TV is plugged in.
- Make sure there are fresh batteries in the remote control.
- Make sure there is nothing blocking the remote control signal.

Lost the parental control password

- In the password screen, enter the universal password "5963". After using the universal password, you must create a new password.

CARE & MAINTENANCE

This television receiver represents a fine example of electronic engineering and construction. As such it should be treated with care. We offer the following suggestions so you will enjoy this product for many years to come.

Keep it dry. If water should get on it, wipe off immediately. Water contains minerals that can corrode electronic circuits.



Do not store in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and can even distort or melt certain plastics.



Do not drop your product. This will likely result in failure to operate.



Do not use or store in areas with high level of dirt or dust. The electronic parts may be contaminated or wear prematurely.



Do not use harsh chemical or strong cleaning solvents to clean your unit, wipe with a slightly moist cloth.



Make sure any batteries used are fresh and are of the correct type. Old or almost-dead batteries are dangerous.

A worn out battery can leak chemicals which will damage the electronic circuits.



TECHNICAL SPECIFICATION

TV Section

Television system

- *NTSC*
 - *'American TV Standard*
- *ATSC(BVSB terrestrial)*
 - *ATSC compliant 8VSB*

- QAM on cable
 - ATSC compliant 64 QAM/256 QAM

Channel coverage

- Terrestrial(analog)
 - 269
- Cable TV(analog)
 - 1-125
- Terrestrial(digital)
 - 269
- Cable TV (digital)
 - 1-135

Antenna

- 75-ohm external antenna terminal for VHF/UHF

Audio

- Audio Output
 - 80W+8.0W

HDMI

- Support format
 - HOMI 1.1, HDMI 1.2, HDMI 1.3
- Support definition
 - 480i, 480p, 720p, 1080i, 1080p

General

- AC Power Supply
 - AC 100-240V~ S0/60Hz
- Power Consumption
 - 65 W
- Remote Control Batteries
 - AAA x 2
- Dimensions(mm)
 - 182.5 x W745 x H506 (mm)

- Net Weight

- 8.03 kg

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

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