

# OWNER'S MANUAL

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LS42T3  
LS47T3

## **TFT-LCD TELEVISION**

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

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## Warning



### WARNING

RISK ELECTRIC SHOCK  
DO NOT OPEN



**WARNING:**

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.

- \*To avoid electric hazards, it is strongly suggested that the back cover not be opened, as there is no any accessory inside the casing.
- \*If necessary, please contact authorized after-sales services.
- \*A lightning flash mark in a triangle: A potentially hazardous situation, which, if not avoided, could result in serious injury by high voltage.
- \*An exclamation mark in a triangle: Major part or accessory of which technical specifications must be followed if it is to be replaced.

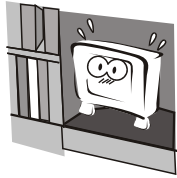
**WARNING:** To avoid fire or electric hazards, never place your television receiver in an area with heavy moisture. Attention should be paid to avoid accidental scratches or impacts onto the screen.

**CAUTION:** ▲ Please read this manual carefully before using your television and keep this manual in a good place for future reference.  
▲ To achieve the best performance of your television, read this User's Manual carefully and properly store it for future reference.  
▲ Information of screen displays and figures in the User's Manual may vary due to technical innovations.

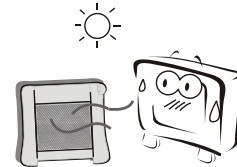
**CAUTION:** ▲ Unauthorized disassembly of this product is prohibited.

## Important Safety Instructions

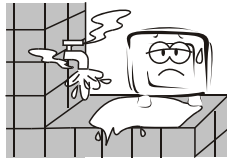
The product should be tightly fixed to avoid drop damages and even fire.



To avoid fire hazards, do not use this product under direct sunlight or closely to heat sources.



Do not locate the product close to water or oil, which may cause fire hazards.



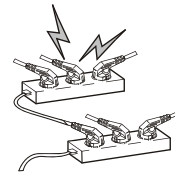
Unplug the power supply and antenna of the product when there is a rainstorm, especially Thunderstorm.



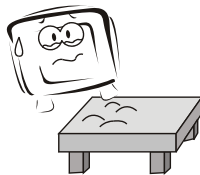
Do not use damaged or worn electric plugs, and keep electric cord away from heat sources to avoid electric shocks or fire hazards.



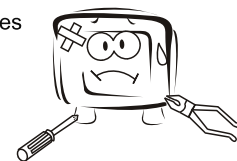
Do not connect excessive sockets in parallel or share the same socket by multiple plugs to avoid fire hazards.



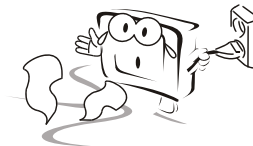
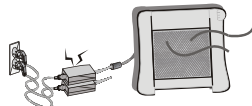
The product must be placed on a solid and stable surface to avoid collapse.



Unauthorized disassembly of the television is prohibited to avoid electric shocks or fire hazards. Contact authorized after-sales service if technical service is needed.

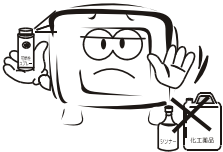


Keep the product away from a transformer or heat source to avoid fire hazards.



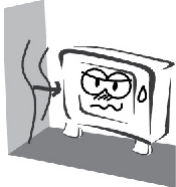
Disconnect the product from power supply and contact authorized after-sales service if abnormal sound is heard in the product.

Don't use or store flammable materials near the product to avoid explosion or fire hazards.



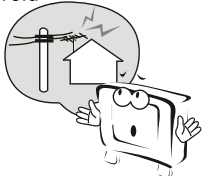
A cartoon television character with a sad expression is shown next to a bottle of flammable liquid. A large 'X' is drawn over the bottle, indicating that such materials should not be used or stored near the product.

Don't place the product in a humid area to avoid fire hazards.



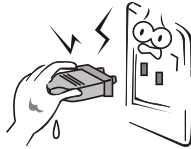
A cartoon television character is shown inside a room. Steam or humidity is depicted rising from the floor, suggesting a humid environment that should be avoided.

The antenna of the product should be away from electric cable to avoid electric shocks.



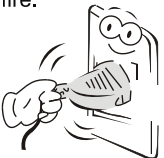
A cartoon television character is shown with a lightning bolt striking a cable that is connected to its antenna. This illustrates the danger of having the antenna too close to power lines.

Never touch the plug when your hand is wet as this might cause electric shocks.




A cartoon television character is shown with a wet hand reaching for an electrical plug. A lightning bolt symbol is next to the plug, indicating the risk of electric shock.

Always make sure that the television is well plugged as poor electric connection might cause fire.



A cartoon television character is shown being plugged into a wall outlet. The character has a happy expression, indicating a proper connection.

When antenna is used, measures should be taken to prevent water from flowing down along the cable into the television.



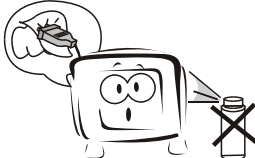
A cartoon television character is shown on a roof. A cable with an antenna is attached, and water is shown running down the cable towards the television, illustrating the need for protection.

Unplug the television, use soft fabric, never chemicals, if you are going to make cleaning of the product. Make sure that no water drops in the product.




A cartoon television character is shown being cleaned with a soft cloth. A bottle of cleaning chemical is crossed out with a large 'X', indicating that chemicals should not be used.

The plug and electric cable must be kept clean to avoid electric shocks or fire hazards.



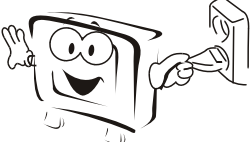
A cartoon television character is shown with a clean electrical plug and cable. A bottle of cleaning chemical is crossed out with a large 'X', indicating that the plug and cable should be kept clean.

Disconnect the television from power supply and antenna when there is a rainstorm or thunderstorm to avoid electric shocks or fire hazards.



A cartoon television character is shown on a roof during a rainstorm or thunderstorm. A lightning bolt is striking the antenna, illustrating the need to disconnect the television during such weather.

Disconnect the television from power supply to avoid electric shocks or fire hazards in a long vacation.

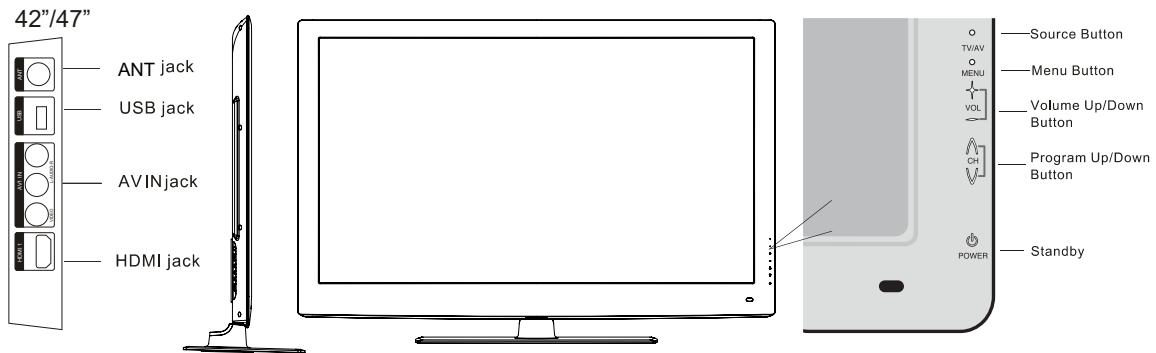


A cartoon television character is shown being unplugged from a wall outlet. The character has a happy expression, indicating that it is safe to disconnect the television for a long vacation.

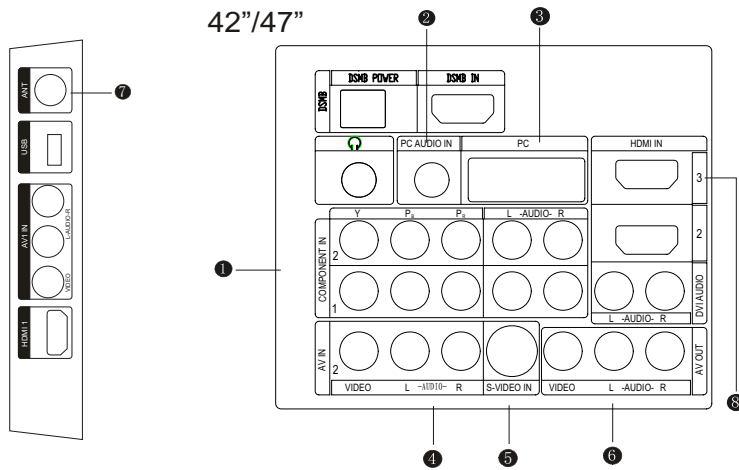
# Panel Control and Rear Terminals Control

- This is a simplified representation of front panel.
- Here shown may be somewhat different from your TV.

## Panel Control



## Rear Terminals Control



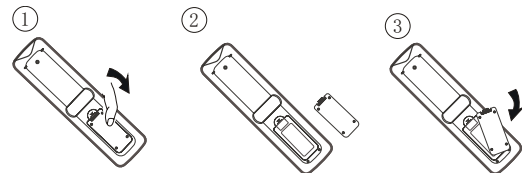
①	<b>COMPONENT In</b>	Connect a component Video/Audio device to these jacks
②	<b>PC/AUDIO IN</b>	Connect a PC/Audio IN device to these jacks
③	<b>PC</b>	Connect the monitor output connector from a PC to the jack
④	<b>AV In</b>	Connect Video/Audio out from an Video/Audio device to these jacks

⑤	<b>S-VIDEO</b>	Connect S-Video out from a S-Video device to these jacks
⑥	<b>AV OUT</b>	Video/Audio output terminal
⑦	<b>ANT In</b>	Connect cable antenna signal to the TV, either directly or through your cable box
⑧	<b>HDMI</b>	Connect a signal to HDMI

## Remote Control

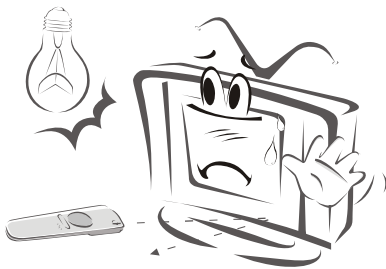
### Battery loading

1. Slide open the cover of the battery compartment on the back of the remote controller.
2. Load two 7# (AAA) alkaline batteries in the compartment, (plus and minus poles to respective mark)
3. Replace the cover of the battery compartment.

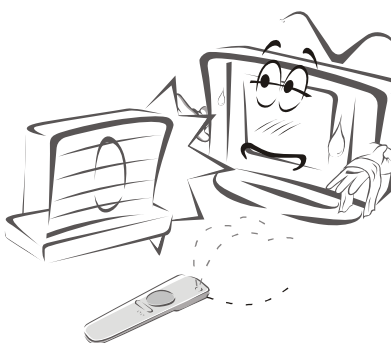


### Precautions

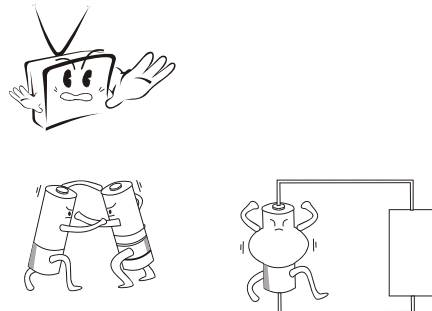
As strong light may interfere the signals, change your position to operate the remote controller if the television cannot be turned on or off as you expect.



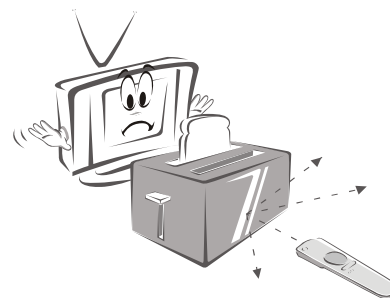
Keep the remote controller away from heat source or humid area to ensure effective performance of the remote controller.



Make sure that two AAA alkaline batteries are loaded. The batteries must be of the same type. The batteries must be located properly. The batteries are not rechargeable.



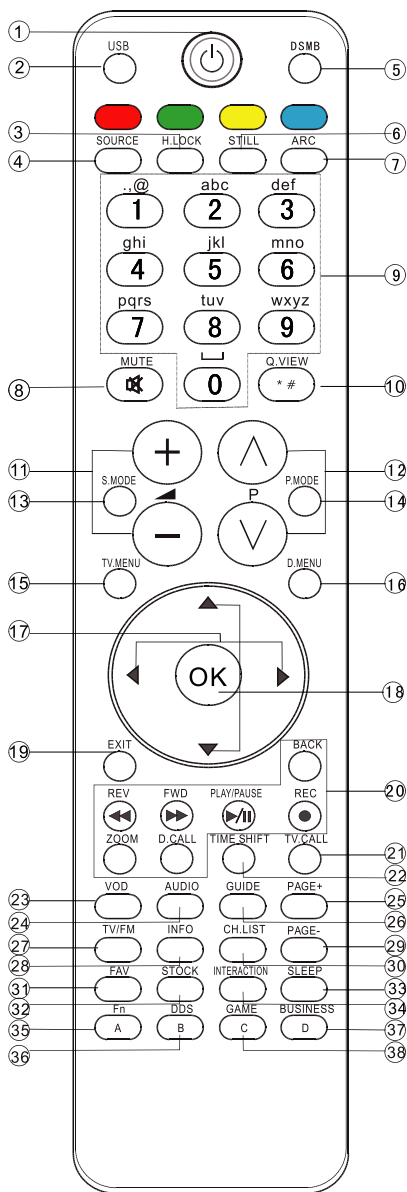
Make sure that there is no obstacle between the remote controller and television set.



# Remote Control Function

- The remote control cannot be operated unless the batteries are properly loaded.
- When using the remote control, aim it at the remote control sensor on the TV.

## Function introduction



1. POWER: Press this key to start TV from standby mode, press it again to return to standby mode.
2. USB: Press this key for quick switching of streaming media.
3. H. LOCK: Refer to the Functional Description on Page 20.
4. Press this key to open/close signal source options menu.
5. DSMB: Press this key for quick switching of MO-Card.
6. STILL: Press this key to freeze the image. Press it again to return to normal screen. (Note: Do not display a still picture for a long time to prevent the screen from burns.)
7. ARC: Press this key to select the screen display proportion.
8. MUTE: Press this key to mute the sound, press it again to activate the sound. The sound may be activated by turning the TV on again or increasing the volume.
9. 0-9: These keys are used to select a channel.
10. Q. VIEW: Press this key to return to the previous TV program (only work in the TV mode).
11. VOL+ / -: Used to adjust the volume when the screen menu is closed.
12. CH+/-: Used to select a TV channel when the screen options menu is closed, specifically, press P ^ to decrease the channel and press P V to increase the channel.
13. Sound Mode: Press this key continuously to select the sound mode.
14. Picture Mode: Press this key continuously to select the picture mode.
15. TV.MENU: Press this key to display or exit the main menu.
16. D.MENU: Press this key to display the Special Function Menu (it functions when special modules are inserted).
17. THUMBSTICK (Up/Down/Left/Right)
18. OK: Press this key to confirm the selection.
19. Clears all on-screen displays and returns to TV viewing from any menu.
20. USB Control the USB System.  
◀ Backward ▶ Forward ▶/|| Play/Pause BACK: Back REC: no available ZOOM: Press to magnify/minify an image D.CALL: Press to display program information.
21. TV.CALL: Display on/off
22. no available
23. no available
24. no available
25. no available
26. no available
27. no available
28. no available
29. no available
30. no available
31. Press this key to display the favorite program list menu.
32. no available
33. Displaying the sleeptime.
34. no available
35. no available
36. no available
37. no available
38. no available

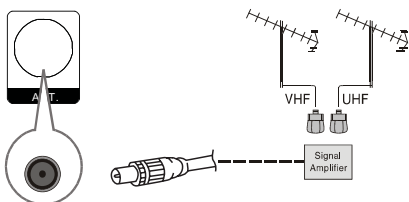
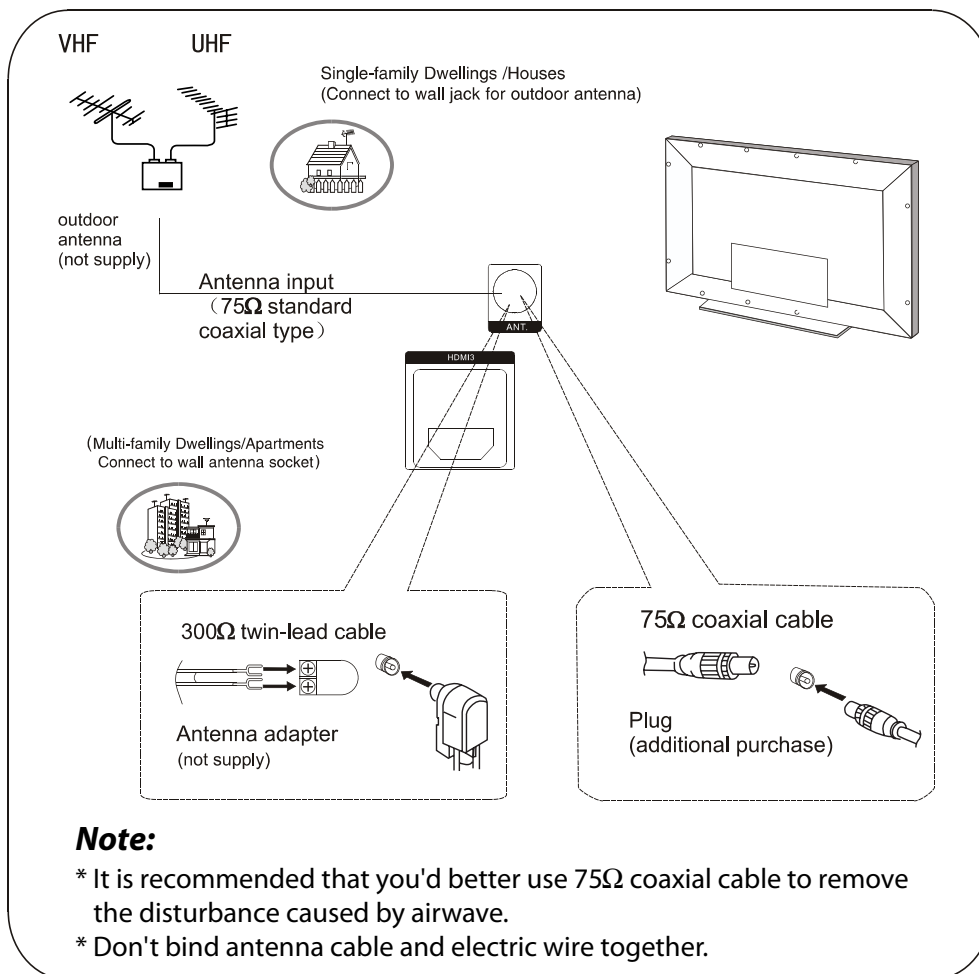
Note: From 21 to 38 (except 31 and 33), are belonged to DSMB function button. It will act when the module installed only. Pls refer to DSMB user's manual.



# External Equipment Connections

## Antenna Connection

- Antenna or Cable Service without a Cable Box Connections.
- For optimum picture quality, adjust antenna direction if needed.



- To improve picture quality in a poor signal area, purchase and install a signal amplifier.
- If the antenna needs to be split for two Tv's, install a "2-WaySignal Splitter" in the connections.
- If the antenna is not installed properly, contact your dealer for assistance.

**Note**

- All cables shown are not included with the TV.

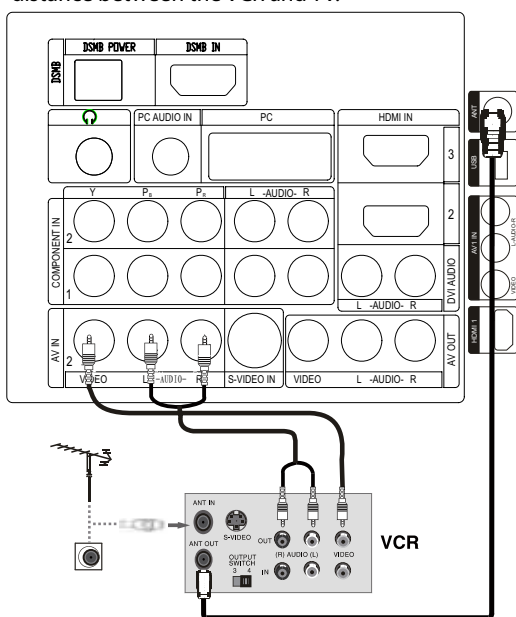
## Choose Your Connection

There are several ways to connect your television, depending on the components you want to connect and the quality of the signal you want to achieve.

The following are examples of some ways to connect your TV. Choose the connection which is best for you.

### VCR Connection

To avoid picture noise (interference), leave an adequate distance between the VCR and TV.



#### Connection Option 1

Set VCR output switch to channel 3 or 4 and then tune the TV to the same channel number.

#### Connection Option 2

1 Connect the audio and video cables from the VCR's output jacks to the TV input jacks, as shown in the figure. When connecting the TV to VCR, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red). If you connect a S-VIDEO output from VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.

2 Insert a video tape into the VCR and press **PLAY** on the VCR. (Refer to the VCR owner's manual.)

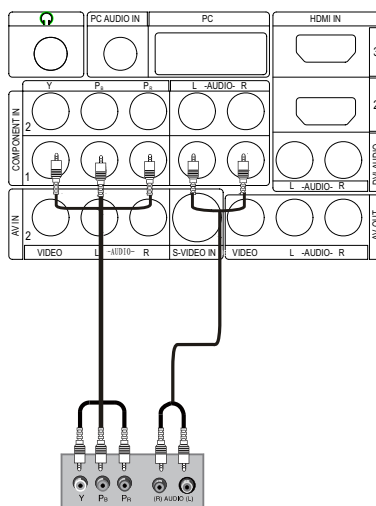
3 Select the input source with using the **SOURCE** button on the remote control, and then press **▲ / ▼** button to select the source, press the **▶** button to confirm.

### DVD Setup

#### How to connect

1 Connect the DVD video outputs (Y, P<sub>b</sub>/C<sub>b</sub>, P<sub>r</sub>/C<sub>r</sub>) to the COMPONENT (Y, P<sub>b</sub>/C<sub>b</sub>, P<sub>r</sub>/C<sub>r</sub>) input jacks on the TV and connect the DVD audio outputs to the AUDIO jacks on the TV as shown in the figure.

2 If your DVD only has an S-Video output jack, connect this to the S-VIDEO input on the TV and Connect the DVD audio outputs to the AV IN jacks on the TV, as shown in the figure.



#### Note

† If your DVD player does not have component video output, use S-Video.

#### How to use

- 1 Turn on the DVD player, insert a DVD.
- 2 Use the S-VIDEO button on the remote control to select S-VIDEO or YP<sub>b</sub>P<sub>r</sub>/YC<sub>b</sub>C<sub>r</sub> mode.
- 3 Press **Play** button on external equipment for program play.
- 4 Refer to the DVD player's manual for operating instructions.

## HDMI or DVI Setup

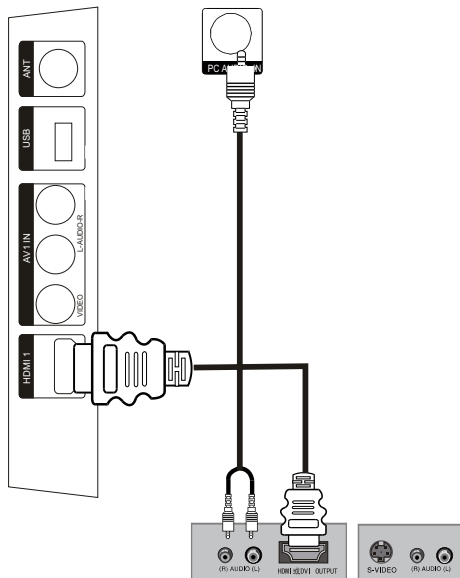
To watch digitally broadcast programs, purchase and connect a digital set-top box.

### How to connect

- Use the TV's COMPONENT (Y, P<sub>b</sub>/C<sub>b</sub>, P<sub>r</sub>/C<sub>r</sub>) INPUT jacks, VGA or HDMI port for video connections, depending on your set-top box connections available. Then, make the corresponding audio connections.

### How to use

- Turn on the digital set-top box.  
(Refer to the owner's manual for the digital set-top box.)
- Use SOURCE on the remote control to select PC or HDMI (Y, P<sub>b</sub>/C<sub>b</sub>, P<sub>r</sub>/C<sub>r</sub>) mode.
- Press Play button on external equipment for program play.



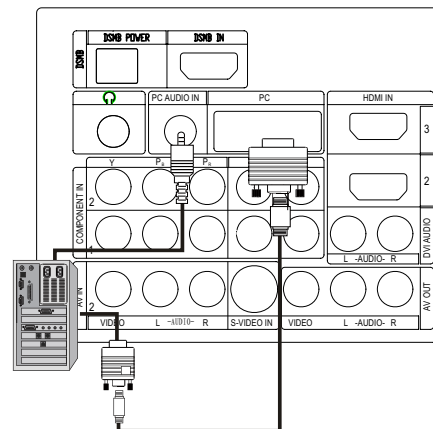
## PC Setup

### How to connect

- Use the TV's VGA IN port for video connections.
- Then, make the corresponding audio connection. If using a sound card, adjust the PC sound as required.

### How to use

- Turn on the PC and the TV.
- Turn on the display by pressing the **POWER** button on the TV's remote control.
- Use PC/DVI on the remote control to select PC source.
- Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC mode to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.



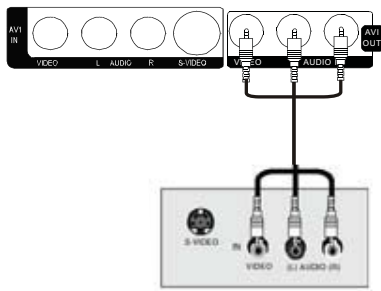
### Note

- † Avoid keeping a fixed image on the TV's screen for along period of Time. The fixed image may become permanently imprinted on the screen.
- † The synchronization input form for Horizontal and Vertical frequencies is separate.
- † To obtain the best picture, do not play the USB, Component, HDMI or PC source at the same time.

## Monitor Out Setup

The TV has a special signal output capability which allows you to hook up a second TV or monitor.

Connect the second TV or monitor to the TV's AV OUT. See the Operating Manual of the second TV or monitor for further details regarding that device's input settings.

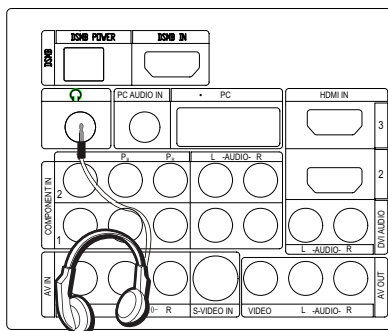


### Note

- † Component, PC, HDMI, input sources cannot be used for Monitor out.
- † When connecting with external audio equipments, such as amplifiers or speakers, please turn the TV speakers off.

## Connecting Headphones

You can connect a set of headphones to your set if you wish to watch a TV program without disturbing the other people in the room.



### Note

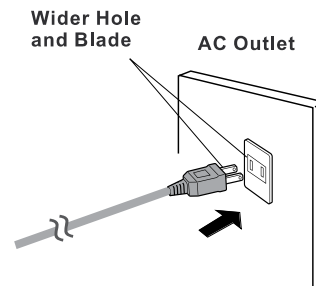
- † Prolonged use of headphones at a high volume may damage your hearing.

- † You will not receive sound from the speakers when you connect headphones to the system.

## Power source

### TO USE AC POWER SOURCE

Use the AC polarized line cord provided for operation on AC. Insert the AC cord plug into a standard polarized AC outlet.



Polarized AC Cord Plug

### Note

- † Never connect the AC line cord plug to other than the specified voltage. Use the attached power cord only.
- † If the polarized AC cord does not fit into a non polarized AC outlet, do not attempt to file or cut the blade. It is the user's responsibility to have an electrician replace the obsolete outlet.
- † If you cause a static discharge when touching the unit and the unit fails to function, simply unplug the unit from the AC outlet and plug it back in. The unit should return to normal operation. Polarized AC Cord Plug.

## Basic Receiving and Playing Operations

### Switching ON/OFF the TV set

In the manual, the OSD (on screen display) may be different from your TV's because it is just an example to help you with the TV operation.

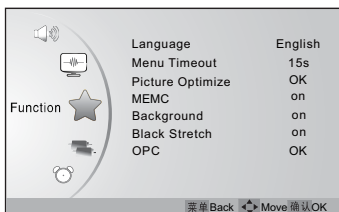
## Switching ON/OFF the TV set

- 1 First, connect power cord correctly and the power indicator will light.
- 2 Press **POWER** on the remote control again.
- 3 If you want to exchange to standing by status, please press down **POWER** on the remote control
- 4 Disconnect the power supply or unplug the television if it is intended to completely cease the television performance.

## Choose the Menu Language

When you satisfied with your set for the first time, you must select the language which will be used for displaying menus and indications.

- 1 Press **TV.MENU** and **▲ / ▼** to select **Function** menu.
- 2 Press **OK/▶** to enter, Press **▲ / ▼** button to select language
- 3 Select a particular language by pressing **◀ / ▶** repeatedly.
- 4 When you satisfied with your choice, press **TV.MENU** to return to normal viewing.

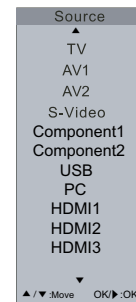


## Choose the Input source

If the TV is not in TV mode, press **SOURCE** on the remote control unit, and signal source menu will be displayed on the TV screen (as shown in the below figure). Press **▲ / ▼** to select the TV option, and press **OK** to confirm the switching to TV input terminal. After switching, the signal source menu disappears, and at the upper right corner of screen displays the information of current signal source.

Pressing this key repeatedly can exit from the signal source menu.

In case of no other operation, the signal source menu will automatically disappear upon reaching the OSD disappearance time preset in the main menu.

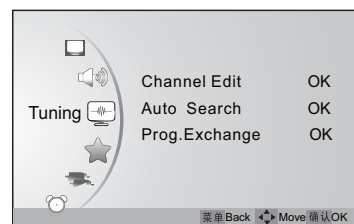


## Searching Channel

In this section, how to use the remote control to set channel is explained. You can also use buttons on the TV set to set channel.

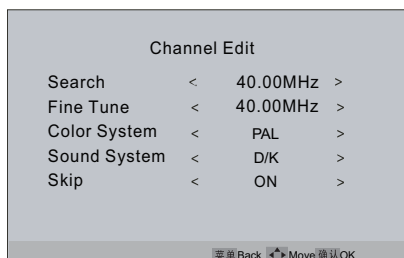
## Tuning Edit

- 1 Press **TV.MENU** on the remote control unit or **MENU** on the TV's front panel to display main menu, and then press **▲ / ▼** to select Tuning menu.
- 2 Press **OK/▶** to enter the Tuning menu, Press **▲ / ▼** to select the Channel Edit option, and then press **OK** to enter submenu.



### ❖ Search

Press **▲ / ▼** to select the Search option, and finally press **◀ / ▶** to start manual search. Upon finding a program, the search will automatically stop, and the program will be stored onto the current channel. You may stop the search by pressing **TV.MENU**.



### ❖ Fine Tune

Press ▲ / ▼ to select the Fine Tune option, and then press ◀ / ▶ to start UP or DOWN fine tuning until obtaining a relatively good picture effect. The fine tuning function is for the purpose of improving picture effect through fine tuning when that of a certain program is not good enough. Normally, the optimal picture effect can be obtained without fine tuning when watching TV programs, and fine tuning is to meet the need of adjusting a certain program.

### ❖ Color system

Press ▲ / ▼ to select the Color Systems option, and then press ◀ / ▶ to select correct color system.

The TV is designed with three systems for your choice, i.e. Auto, PAL, SECAM and NTSC. Generally, the system is set as Auto and it is not necessary to make an adjustment. The system is normally set as Auto during auto search.

### ❖ Sound system

The TV is designed with four systems for your choice, i.e. DK, M, BG and I. Generally, it is not necessary to adjust the system. The system is normally set as DK during auto search.

### ❖ Skip

When the skip is set ON, the channel will be skipped when pressing P ▲ or P ▼ and only can be selected by pressing 0-9 numerical keys.

#### If you want to recover the skipped channel

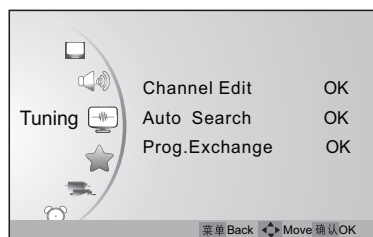
1. Use Direct-digit Choosing button to select the number of the channel to be recovered.
2. Do the above steps again.
3. Press ◀ / ▶ to set **Skip** as Off.

## Automatic search

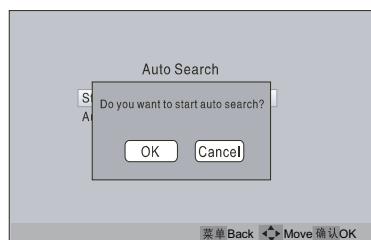
- 1 Press **TV.MENU** on the remote control to display main menu, and then press ▲ / ▼ to select **Tuning** menu.

Afterwards press **OK/▶** to enter the Tuning menu. (Note: Only when Tuning Lock in the H. Lock menu is Off can the Channel menu be selected.)

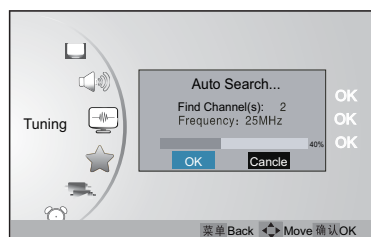
- 2 Press ▲ / ▼ to select the Auto Search option, and then press **OK** to enter submenu.



- 3 press ◀ / ▶ to select the **OK/Cancel** option, and finally press **OK** to confirm the starting of auto search.

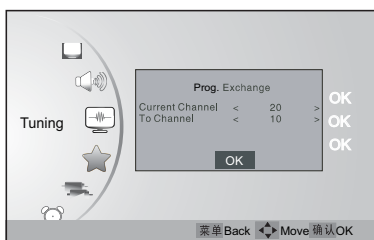


- 4 During auto search, the scale value on the progress bar is continually increasing, indicating the auto search is in progress. After finishing the auto search, the TV will play the channel starting the auto search. To stop the search in halfway, just press **Cancel**, and the TV will play the first searched channel.



## Exchange

- 1 Press **TV.MENU** on the remote control unit or **MENU** on the TV's front panel to display main menu, and then press **▲** / **▼** to select Tuning menu and press **OK** / **▶** to enter.
- 2 Press **▲** / **▼** to select the Exchange option, and then press **OK** to enter its submenu.
- 3 Press **▲** / **▼** to select the To Channel option, and then press **◀** / **▶** to set the found to be exchanged to.



- 4 After adjusting the current channel and the found to be exchanged to, press **OK** to start exchange and exchange the program on current channel to the channel you set for exchange.

## Watching TV Program

You can watch TV program in a presetting channel.

### How to select the desired program

- 1 Using Program number buttons  
Directly enter the channel number with the numeric keypad on the remote control. If to select channel numbers of double-digit or three-figure, press continuously the numeric buttons in three second.
- 2 Using **P ▲** / **P ▼** buttons

Press **P ▲** to select a channel number in number increasing direction. Press **P ▼** to select a channel number in number decreasing direction.

### How to select the desired sound

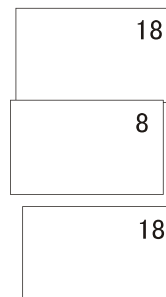
Press **VOL-/+** buttons on the remote or the front of the TV set to adjust the volume level. The range is 0~100. When the volume buttons are pressed the volume level is displayed automatically on the TV screen.

## Mute Setting

- 1 Press **TV.MUTE** button on the remote control and a icon will display on the screen. At this time, the sound of the TV set is turned off.
- 2 If you want to recover the sound, press **TV.MUTE** button again or directly press **VOL+** button.

## Quick program view

- 1 Suppose that you previously watched a TV program on Channel 8, but now you are watching a TV program on Channel 18 (as shown in the below figure).



- 2 If you want to return to Channel 8, just press "**Q.VIEW** (Flashback)" once.
- 3 If you want to return to Channel 18 again, just press "**Q.VIEW** (Flashback)" once again.

#### Note

\* This function is only available in TV mode.

## Picture Control Functions

This means the adjustment of specific contents in the picture, if already in normal condition, it is not necessary to make any adjustment.

Due to different TV signal inputs, some items may need to be adjusted. The following makes a description by only taking TV signal as an example.

## How to select the picture mode

**1** Press **TV.MENU** to display main menu on the screen, and then press **▲ / ▼** to select the Picture menu, afterwards press **▶ / OK** to enter the option to be adjusted.

**2** Press **▲ / ▼** to move the Picture mode option to be adjusted, and then press **◀ / ▶** to select Standard/Vivid/Soft/User/Eye Guard.

You can also press **P.MODE** on the remote control to select Standard/Soft/ User/Vivid/Eye Guard.

### ❖ Standard

The picture brightness and hue are moderate.

### ❖ Vivid

The picture is vivid, bright and dynamic.

### ❖ Soft

The picture is soft and in light color.

### ❖ User

The picture effect is set by yourself to your preference.

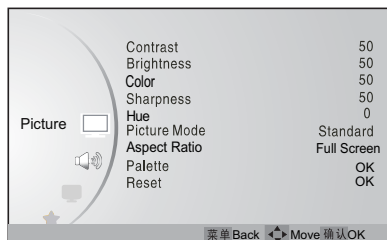
### ❖ Eye Guard

(The option does not exist when using a USB device.)  
In line with the change of using environment, the TV set will adjust automatically the image display mode to protect viewers' eyes from any negative impact.

## How to customize your own picture status

**1** Press **TV.MENU** to display main menu on the screen, and then press **▲ / ▼** to select the Picture menu, afterwards press **▶ / OK** to enter the option to be adjusted.

**2** Press **▲ / ▼** to move the cursor to the option to be adjusted, and then press **◀ / ▶** to adjust it to your desired effect.



### ❖ Contrast

This will adjust the intensity of bright parts in the picture but keep the dark parts unchanged.

### ❖ Brightness

This will adjust the light output of the complete picture, which will mainly affect the darker areas of the picture.

### ❖ Color:

This will adjust the saturation level of the colors to suit your personal preference.

### ❖ Sharpness

This will adjust the sharpness of fine details in the picture.

### ❖ Hue

Allows you to select the color Hue(Tint) of the picture.

### ❖ Picture Mode

Select the mode of picture(Standard/Soft/Vivid/User Eye Guard).

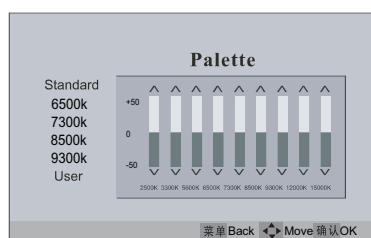
### ❖ Aspect Ratio

Select the mode of Aspect Ratio(Full screen/4:3/Zoom/ Cinema/Panorama).

### ❖ Palette:

Press **▲ / ▼** to select the Palette option, and then press **OK** to enter its submenu, and finally press **▲ / ▼** to select a toner pattern from six patterns (Standard,6500k, 7300k, 8500kand 9300k) to your color preference. Normally, the Standard mode is selected.

If the User mode is selected, press **◀ / ▶** to enter the palette menu, (as shown in the below figure), and then press **◀ / ▶** to select a benchmark in the range of 2500K15000K from 6500k to 9300k, afterwards press **▲ / ▼** to adjust; if a different benchmark is selected for adjustment, the original adjustment data will be automatically cleared.



### ❖ Reset

Return to factory default settings.



## Sound Control Functions

### How to choose Digital tone mode

- 1 Press **TV.MENU** to display main menu on the screen, and then press **▲ / ▼** to select the Sound menu, afterwards press **►/OK** to enter the option to be adjusted.
- 2 Press **▲ / ▼** to move the cursor to the Digital tone , and then press **▲ / ▼** to select User/Standard/Music/Theater mode.

#### ❖ User

A spare setting that can be adjusted to personal tastes.

#### ❖ Standard

Normal sound with moderate bass and treble setting.

#### ❖ Music

Designed the sound to best suit music programs.

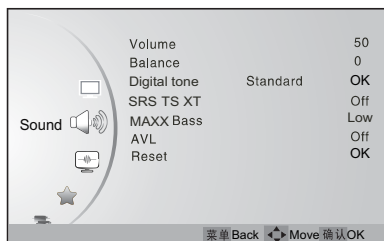
#### ❖ Theater

Enables extra bass and treble to enhance the movie experience.

You can also press **S.MODE** button on the remote control to select User / Standard / Music / Theater mode.

### How to customize your own Sound status

- 1 Press **TV.MENU** to display main menu on the screen, and then press **▲ / ▼** to select the Sound menu, afterwards press **►/OK** to enter the option to be adjusted.
- 2 Press **▲ / ▼** to select the option to be adjust. and then press **◀ / ▶** to adjust it.



#### ❖ Volume

Press **◀ / ▶** to adjust the volume of a TV program.

#### ❖ Balance

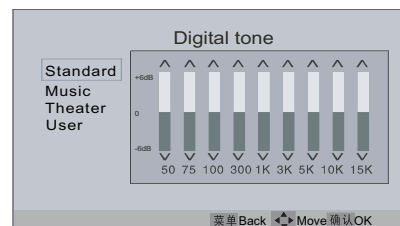
This will adjust the output of the right and left speakers to obtain the best stereo reproduction for your listening position.

The intermediate value is 0. When indication value of Balance increases toward 50, sound of the right and left speakers becomes stronger and weaker, respectively. When indication value of Balance decreases toward -50, sound of the right and left speakers becomes weaker and stronger.

#### ❖ Digital tone

This select the modes for sound reproduction dependent on the broadcast signals or signals from external inputs received.

Select the mode of sound (User/Standard/Music/Theater). If the User mode is selected, press **OK** to enter the sound mode menu,(as shown in the below figure), and then press **◀ / ▶** to select a benchmark in the range of 50-15K from bass to treble, afterwards press **▲ / ▼** to adjust, if a different benchmark is selected for adjustment, the original adjustment data will be automatically cleared.



#### ❖ SRS TS XT

The surround sound feature expands the audio listening field wider and deeper to create exceptional sound quality from the TV's speakers. Press **◀ / ▶** to select On or Off.

#### ❖ MAXX Bass

To adjust the super bass. Press **◀ / ▶** to select super bass Off,Low or High .

#### ❖ AVL (Automatic Volume Limit)

This will reduces the differences in volume level among broadcasters.

#### ❖ Reset

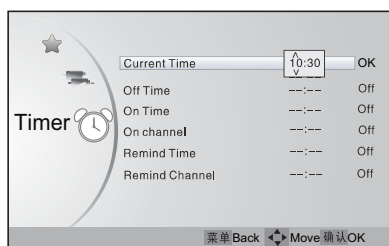
Press **◀ / ▶** to select OK or Cancele.

## Timer Functions

### Setting of Current Time

The current time is calculated from the moment upon turning the TV on. At first, check whether the time indicated on the TV's clock is consistent with the standard time of your time zone; if not, adjust the clock as follows:

- 1 Press **TV.MENU** on the remote control unit or **MENU** on the TV's front panel to display the main menu, and then press **▲ / ▼** to select the Time menu, afterwards press **▶ / OK** to enter the option to be adjusted.

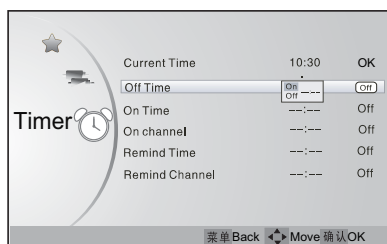


- 2 Press **▲ / ▼** to select the Current Time, and press **◀ / ▶** to set hour and minute.
- 3 Press **▲ / ▼** to adjust the time.
- 4 After finishing time setting, press **OK** to confirm.

### Setting of ON/OFF Time

This function allows the TV to automatically turn on or enter standby mode upon reaching the preset time.

- 1 Press **TV.MENU** on the remote control unit or **MENU** on the TV's front panel to display the main menu, and then press **▲ / ▼** to select the Time menu, Press **OK** to enter and press **▲ / ▼** to select the On Time or Off Time option.
- 2 Press **OK** to enter the setting screen, and then press **▲ / ▼** to select ON or OFF, if you select ON, press **◀ / ▶** to set hour and minute. ON indicates the On/Off Time function is enabled while OFF indicates the function is disabled.



- 3 After finishing time setting, press **OK** or **TV.MENU** to confirm.

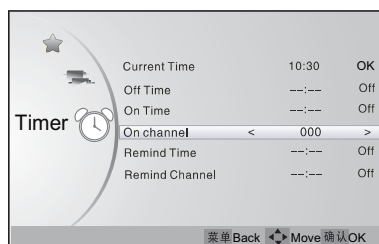
#### Note

- \* After setting the On/Off Time function, if the TV is AC off or forcible DC off, the function will be automatically cleared.

### Setting of On Channel

This function is used in combination with the On/Off Time function. When the TV turns on upon reaching the On time, it automatically enters the preset channel.

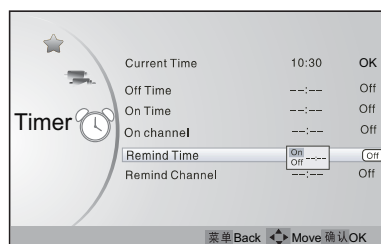
- 1 Press **TV.MENU** on the remote control unit or **MENU** on the TV's front panel to display the main menu, and then press **▲ / ▼** to select the Time menu and press **OK** to enter, afterwards press **▲ / ▼** to select the On Channel option.
- 2 Press **▲ / ▼** to set the On Channel or OFF.



### Setting of Remind Time and Remind Channel

The remind time and remind channel functions allow the TV to automatically enter the preset channel at preset time. If the TV is AC off or forcible DC off, the preset time will be cleared.

- 1 Press **TV.MENU** on the remote control unit or **MENU** on the TV's front panel to display the main menu, and then press **▲ / ▼** to select the Time menu and press **OK** to enter, afterwards press **▲ / ▼** to select the Remind Time option.



- 2 Press **OK** to enter the setting screen, and then press **▲ / ▼** to select ON or OFF, if you select ON, press **◀ / ▶** to set hour and minute, and then press **▲ / ▼** to adjust time.
- 3 After finishing time setting, press **OK** or **TV.MENU** to confirm.
- 4 Press **▲ / ▼** to select the Remind Channel option, and press **◀ / ▶** to set the found.

## Function Menu

### Function Menu Set

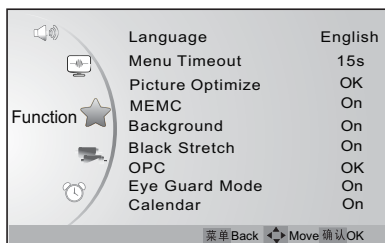
- 1 Press **TV.MENU** on the remote control unit or **MENU** on the TV's front panel to display the main menu, press **▲ / ▼** to select the Function menu and press **OK / ▼** to enter.
- 2 Press **▲ / ▼** to select the option to be adjusted, and then press **◀ / ▶** to adjust it.

#### ❖ Language

Press **◀ / ▶** to select the language.

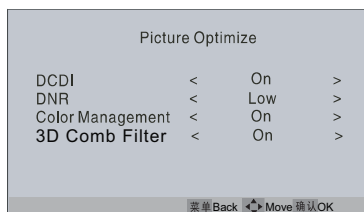
#### ❖ Menu timeout

The option is for adjusting the menu display time. Press **◀ / ▶** to set the desired time (5-15s).



#### ❖ Picture Optimize

- Press **▲ / ▼** to select the Picture Optimize option.
- Press **OK** to enter the submenu.
- Press **▲ / ▼** to select the option to be adjusted, and then press **◀ / ▶** to adjust it.



#### ❖ MEMC

Select "On" or "Off".

#### ❖ Background

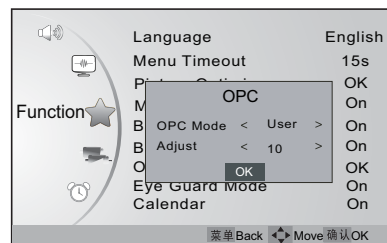
Select "On" or "Off".

#### ❖ Black Stretch

Select "On" or "Off".

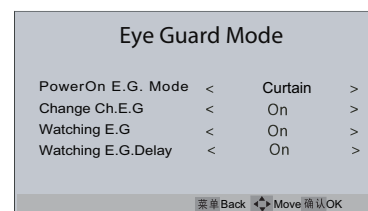
#### ❖ OPC

- Press **▲ / ▼** to select the OPC option.
- Press **OK** to enter the submenu.
- Press **▲ / ▼** to select the OPC Mode, and then press **◀ / ▶** to choose the User/Normal/Dynamic/Daylight/Night.
- Press **▲ / ▼** to select the Adjust, and then press **◀ / ▶** to select (0-10) to adjust it.



#### ❖ Eye Guard Mode

- Press **▲ / ▼** to select the Eye Guard Mode option.
- Press **OK** to enter the submenu.
- Press **▲ / ▼** to select the Eye Guard Mode, and Press **◀ / ▶** to choose Standard/Eye Guard/Curtain.
- Press **▲ / ▼** to select the Change Ch.E.G./Watching E.G./Watching E.G.Delay. and then press **◀ / ▶** to Select "On" or "Off".



#### ❖ Calendar

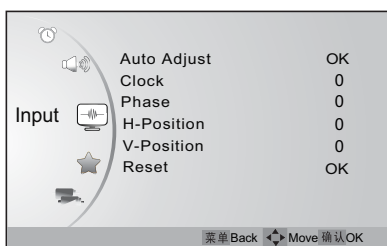
- Press **▲ / ▼** to select the Calendar option.
- Press **OK** to enter the submenu.
- Press **◀ / ▶** to select year/ month /day.
- Press **▲ / ▼** to adjust .

After finishing time setting, press **OK** or **TV.MENU** to confirm.

## Input Menu

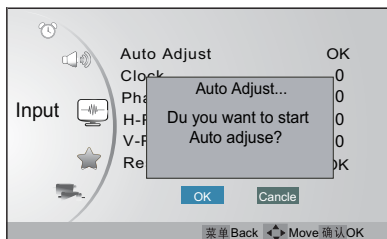
The TV can be used as a display, and you may adjust relevant settings. Press **SOURCE** to switch the signal input to you selected mode.

- 1 Press **TV.MENU** to display the screen main menu, press **▲ / ▼** to select the Input menu as shown in the below figure, and then press **OK/▶** to enter.
- 2 Press **▲ / ▼** to select the option to be adjusted.
- 3 Press **◀ / ▶** to adjust it.



### ❖ Auto Adjust

This is used to select **OK** or **Cancel** to start Auto Adjust.



### ❖ Clock

This is used for adjusting the phase of pixel clock in PC mode.

### ❖ Phase

This is used for adjusting H Position and V Position as well as relative parameters in PC modes.

### ❖ H-Size

This is used for adjusting Horizontal-size in PC modes.

### ❖ V-Size

This is used for adjusting Vertical-size in PC modes.

### ❖ Reset

This is used to select **OK** or **Cancel** to reset Current config.

## Lock Setup

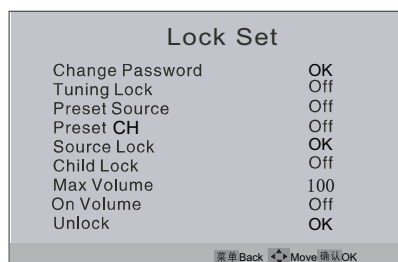
The television has the function of security default lock. Password needs to be entered when the program lock mode is to be set.

### How to use the password function

Press **H. LOCK**, the TV screen will display Enter Password to prompt the user to enter a correct password by pressing corresponding numerical keys; if the password is correct, the user enters the Lock Set menu; if incorrect, the user is required to enter a password again.

If there is no operation for a few seconds, the display will automatically disappear.

The Lock Set menu is as follows:



### ❖ To set new password

After entering the Lock Set menu, press **▲ / ▼** to select the Change Password option, and then press **◀ / ▶** to display the Change Password menu, afterwards enter a new 4-digit password by pressing numerical keys and repeat entering this password once, and finally select the option to be confirmed and press **MENU** to confirm, indicating the successful change of password.

If the user does not want to change the password in halfway, he may press **MENU** to exit from this menu.

### 📌 Note

The initial password is 0000, and the password setting will not be changed after executing the Unlock option.

### ❖ Tuning Lock

Press **▲ / ▼** to select the Tuning Lock option, and then press **◀ / ▶** to set ON or OFF. (If set ON, the Tuning Menu is not available in TV mode. To make any operation related to the Tuning Menu, it is necessary to enter the Lock Set menu to set Tuning Lock OFF or execute the Unlock option.)

### ❖ Preset Source Setting

Preset Source may be set as Off, TV, AV1, AV2, S-Video, YPbPr/YCbCr, HDMI, PC and . When the Preset Source is set as TV, after entering the Preset Channel menu, press ◀ / ▶ to select the preset channel, and the channel will be forcibly switched to the preset one upon turning the TV on; when the Preset Source is set as other signal sources, the TV will be forcibly switched to the preset source upon turning on. For example, when the Preset Source is set as YPbPr/YCbCr, the TV will be switched to YPbPr/YCbCr upon turning on; when set as OFF, the preset function will be closed.

### ❖ Preset Channel Setting

Only when the Preset Source is set as TV can the Preset Channel option be available. Press ◀ / ▶ to select preset channels from 0-255.

### ❖ Source Lock

This function is used to prohibit watching a program from various external inputs, e.g. AV, S-Video and PC, etc. Press ▲ / ▼ to select a certain option, and then press ◀ / ▶ to set an external input lock ON or OFF. If an external input lock is set ON, after entering this mode, the screen will display blue background with muting and a prompt Source Lock; during Source Lock prompt, Source Lock will remain if there is no other display on the screen. To watch a program from a locked external input, just enter Source Lock submenu to set corresponding status as OFF or execute the Unlock option in the Lock Set menu.

### ❖ Child Lock Setting

Press ▲ / ▼ to select the Child Lock option, and then press ◀ / ▶ to set ON or OFF. If set ON, this control key will not respond, and the screen will display Child Lock when the key is pressed; if no other operation is made, the display will automatically disappear later. To resume Child Lock function, just enter the Lock Set menu to set Child Lock OFF or execute the Unlock option.

### ❖ Max Volume Setting

Press ▲ / ▼ to select the Max Volume option, and then press ◀ / ▶ to freely adjust the max volume within the range of 0~100. After finishing the setting, the max volume in the Volume menu will not exceed the preset max volume; for example, if the preset max volume is 30, the volume in the Volume menu can not be increased any longer upon reaching 30; if the preset max volume is less than the value in the Volume menu, the latter will decrease along with the decrease of preset max volume.

### ❖ Power on Volume Setting

Press ▲ / ▼ to select the Power on Volume option, and then press ◀ / ▶ to freely adjust the volume within the range of 0~100. After setting a certain value (except OFF), the TV plays a program with the preset volume upon turning on, when set as OFF, upon turning on, the TV plays a program with the volume before turning off last time.

### ❖ Unlock Setting

Press ▲ / ▼ to select the Unlock option, and then press ▶ to clear all the lock settings, namely set all the lock setting options as OFF; the Preset Channel is set as OFF and max volume returns to 100 (except password).

## Streaming Media Playing System

### Note

\* The diagrams in the following section are schematic and only for your reference. Please see the actual product if necessary.

### 1 Supported file formats:

- Picture: \*. JPEG \*
- Music: \*. Mp3 (8-320kbps)\*

### Note

\* Due to the particularity of file coding, some files may be unable to be read.

### 2 Supported equipment:

Support the equipment that supports Mass Storage Protocol and whose file system is FAT/FAT16/FAT32, such as some USB disks, mobile hard disks, card readers, MP3 players and digital cameras. If USB equipment could not be identified due to unsupported file system, please format the equipment to the above-mentioned file system;

### 3 The external card reader supports most of the digital cards in the current market; the types of digital cards

that can be read are relevant to the performance of select card reader; you may attach standard mobile hard disks (working voltage 5.0V, working current not higher than 500mA); during media playing, do not pull out storage media, otherwise it may cause system halt, damage the files in storage media or damage USB equipment; sometimes, the TV may halt due to overhigh information error rate, in which case you should restart the system; there are a lot of nonstandard USB mobile equipment in the market, they may not be identified when connected to the streaming media playing system; the above phenomena may also occur on computers and are not the TV's fault.

- 4** To achieve smooth playing, ensure the following:
- The file code rate should be lower than 300KB/S;
  - Due to the limitation of USB signal transmission distance, it is recommended not to use USB patch cord, in case of using the cord, make sure that its length is not over 1m;
  - Use high-speed USB equipment in conformity with USB2.0 Interface Standard; if USB equipment in conformity with USB1.1 Interface Standard is used, the playing may be unsmooth.

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## Start/Exit Streaming Media Playing System

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- 1** Press **USB** on the remote control unit to select the streaming media function.
- 2** Insert USB equipment into corresponding USB interface 2s after starting the system.
- 3** After entering the system menu, press **▲ / ▼** on the remote control unit to select the required file.
- 4** Press **OK** to enter the selected file.
- 5** To exit the streaming media playing system and watch a TV program, you must return to the streaming media main menu at first (to protect equipment), and then press **SOURCE** to select TV or directly press **USB** to return to the TV mode.



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## Operating Method of Streaming Media Menu

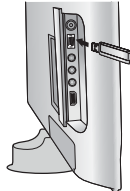
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- 1** Press **▲ / ▼** to scroll through main menu or submenu and select your desired option.
- 2** Press **OK** to confirm your selection.
- 3** Press **REV/FWD** to achieve the FF (fast forward) and FB (fast back) of the music being played.
- 4** Press **PLAY/PAUSE** to pause playing, and press it again or press **OK** to continue playing.
- 5** Press **ZOOM** to magnify pictures; in zoom mode, press **◀ / ▶** and **▲ / ▼** to move the picture.
- 6** Press **BACK** to stop playing, or return to the previous menu, and press **BACK** repeatedly to return to the main menu.
- 7** After the on-screen display disappear, press **ZOOM** to magnify the image; then press **▲ / ▼ / ▶ / ◀** to move the image under the magnified mode.

## Playing a Picture

**1** Press USB on the remote control unit to select the streaming media function.

**2** Insert USB equipment into corresponding USB interface after starting the system.



**3** Press ▲ / ▼ on the remote to select the option of picture between picture and music.

**4** Press ◀ / ▶ to select the drive you want, and press OK to open it.



**5** Press ◀ / ▶ to select the picture you want, and press OK to play it.

**6** In the preview screen, if you want to play some but not all, you can press "D.CALL" to select the picture you want, and then press "Play/Pause" to play.



**7** Press the ZOOM on the remote, you can enlarge the picture by 4 times, and you can move the picture by pressing ▲ / ▼ / ◀ / ▶

**8** When play the picture, you can go to the list of storage file by press the "D.CALL" on the remote. Press ◀ / ▶ to select the MP3 file and press OK, you can play the music and picture at the same time.

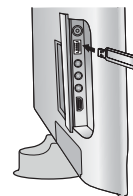


**9** Press the "BACK" to go to the previous page. If you want to exit the USB and to play the TV program, you must go back to the main menu of the USB (to protect the equipment), and then press "SOURCE" or "USB" to go to the TV mode.

## Playing Music

**1** Press USB on the remote control unit to select the streaming media function.

**2** Insert USB equipment into corresponding USB interface after starting the system.



**3** Press ▲ / ▼ on the remote to select the option of music between picture and music.

**4** Press ◀ / ▶ to select the drive you want, and press OK to open it.



- 5 Press ◀ / ▶ to select the music you want, and press OK to play it.
- 6 In the preview screen, if you want to play some but not all, you can press "D.CALL" to select the songs you want, and then press "Play/Pause" to play.
- 7 Press the "REV","FWD","PLAY/PAUSE" to control the music.



- 8 When playing the music, press "D.CALL" to switch the mode of play. Music play mode: play one,repeat one,random play, play all, repeat all.
- 9 Press the "BACK" to go to the previous page. If you want to exit the USB and to play the TV program, you must go back to the main menu of the USB(to protect the equipment), and then press "SOURCE" or "USB" to go to the TV mode.

**Note**

Supported file formats:  
Picture: \*.jpg; Music: \*.Mp3 files;  
When you using the USB, please not remove the USB equipment in case the data will be destroyed. Haier is not responsible for the quality of the USB equipment or data corruption.

## Maintenance

### Maintenance

Early malfunctions can be prevented. Careful and regular cleaning can extend the amount of time you will have your new TV. Be sure to turn the power off and unplug the power cord before you begin any cleaning.

### Cleaning the Screen

- 1 Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.
- 2 Make sure the excess water is off the screen, and then let it air-dry before you turn on your TV.

### Cleaning the Cabinet

To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth. Please be sure not to use a wet cloth.

### Extended Absence

If you expect to leave your TV dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.

## Troubleshooting

For the sake of time and cost, it is strongly recommended that you checkout the problem by yourself according to the instructions listed hereunder before contacting the after-sales service for technical assistance.



Problem	Possible remedies
<b>No picture, no sound</b>	Turn on the power supply; Properly plug the TV set to the power socket; Check to see if the power cable of other appliance is plugged in the TV set. Make sure that the power cable of the TV set is properly connected.
Problem	Possible remedies
<b>Good picture, no sound</b>	Depress the volume button; Check out the audio frequency input signals.
<b>Failure of remote controller</b>	Check to see if the remote controller display receiving window are blocked by other objects and if batteries are properly loaded.
<b>No color, weak color or poor picture</b>	Designate the item of color from the Picture menu and depress the volume button; Keep the display and VCR separate a reasonable space; Activate some functions to store picture brightness; Make sure that the display and signal source are available and turned on.
<b>Excessive brightness or darkness</b>	Adjust brightness or contrast.
<b>Picture too big or small</b>	Adjust the setup of sizes.
<b>One speaker failure</b>	Balance the sound in the menu.
<b>Slight sound from display</b>	It is a normal phenomenon.

 **Note**

- \* Do not leave the television with static picture in an extended period as it may result in residual image on your television screen.

 **Note**

- \* Production of the screen requires high and precision technologies. However, there might be some dark or bright (red, blue or green) spots, or some anomalous stripes or spots. This is not a defect. If the TV set is used in an area 2,400 meters above the sea level where the air pressure is below 750hpa, the picture on the screen may be affected and a muffled sound might be produced. These phenomena might happen in the area 1,500 meters above the sea level. This is resulted from difference between air pressures inside and outside the display. This is not a defect covered by the limited warranty.

## Specification

### Basic specification and parameter

<b>Power</b>	~ 220V 50Hz
<b>Color System</b>	PAL, NTSC, SECAM
<b>Stand-by Consumption</b>	DK, BG, I, M
<b>Video Input</b>	USB, AV(CVBS) , S-VIDEO, YPbPr/ YCbCr, HDMI or DVI, VGA
<b>Environmental condition</b>	Operating temperature range: +5°C - +35°C Operating humidity range: 20%-80% Storage Temperature: -15°C~+45°C Storage Humidity: 5%-90%, non-condensing If the storage temperature is lower than 0 °C, please first lay the machine aside after in the operating temperature environment carries on restores 2 hours, then electrifies the use again, protects your television not to receive the damage.
<b>Accessories</b>	Owner's manual x1 Remote Control x1 Alkaline battery x2

## Product main size (contain stand)

MODEL	Power Consumption	Net Size(LxWxH)	Net Weight
42"	120W	1030x280x710mm	19.15Kg
47"	160W	1146x280x775mm	25.00Kg

### Note

- \* Design and specifications are subject to change without notice. The dimension in this manual is a approximation.

## Format

### Recommendatory HDTV/ SDTV(YPbPr/YCbCr) format

Sequence Number	Format	Refresh Frequency (Hz)
1	480i/480p	60
2	576i/576p	50
3	720p	50/60
4	1080i/1080p	50/60

### Recommendation PC connection input format

sequence number	Format	H-Frequency (KHz)	V-Frequency (Hz)
1	640*480@60Hz	31.5	60
2	800*600@60Hz	37.88	60
3	1024*768@60Hz (Recommendatory)	48.36	60
4	1280*1024@60Hz	63.90	60
5	1600*1200@60Hz	75	60

### Recommendation DVI connection input format

Sequence Number	Resolution	Refresh Frequency (Hz)
1	640*480	60
2	800*600	60
3	1024*768	60

### Recommendation HDMI connection input format

Sequence Number	Format	Refresh Frequency (Hz)
1	480i/480p	60
2	576i/576p	50
3	720p	50/60
4	1080i	50/60

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