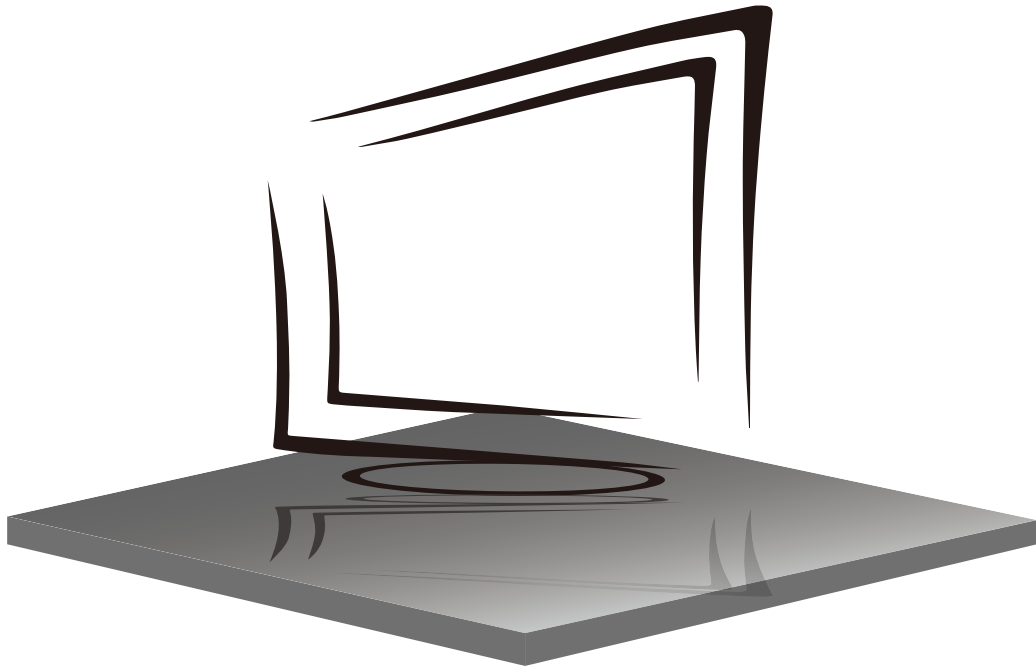




USER'S MANUAL
LED TV SET



RB24H2CU
RB22H2CU

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Introduction

Thank you very much for your purchase of our product of LED TV. It serves as a normal color TV and PC monitor. To enjoy your TV to the full from the very beginning, read this manual carefully and keep it handy for ready reference.

INSTALLATION

- ① Locate the TV in a room where direct light does not strike the screen. Total darkness or a reflection on the picture screen can cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing.
- ② Allow enough space between the receiver and the wall to permit ventilation.
- ③ Avoid excessively warm locations to prevent possible damage to the cabinet or premature component failure.
- ④ This TV can be connected to 100-240V~ 50/60HZ.
- ⑤ Do not install the TV in a location near heat sources such as radiator, air ducts, direct sunlight, or in a place somewhere like close compartment and close area. Do not cover the ventilation openings when using the TV.
- ⑥ The indicator light will last about 30 seconds to go out after cutting off the electricity, during this period, you cannot re-power it on until the indicator light goes out, thanks a lot for your attention!

EC Declaration of Conformity

We, the manufacturer, declare under sole responsibility, that this product conforms to the requirements of the following directives and regulations and was manufactured in accordance with the following harmonised standards:

Warning



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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



This symbol is intended to alert the user to avoid the risk of electric shock, do not disassemble this equipment by anyone except a qualified service personnel.

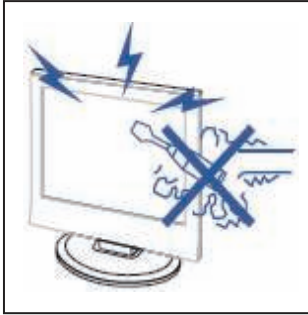


This symbol is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the equipment.

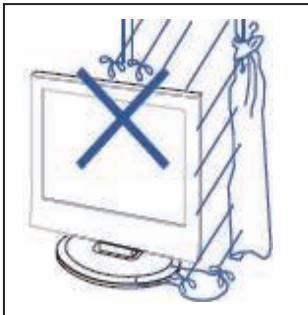


Class I structures of equipment should be connected to the grid power output with a protective earth connection on the socket. Power plug as a broken appliance, broken installations should be easy to operate.

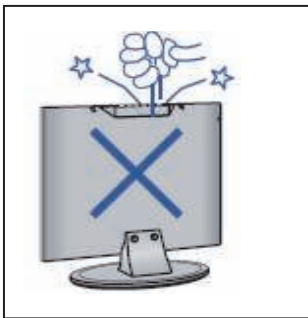
Caution



High voltages are used in the operation of this product. Do not open the product's casing. Refer servicing to qualified service personnel .



To prevent fire or electrical shock hazard, do not expose the main unit to rain or moisture, do not place objects filled with liquids, such as vases, on the apparatus.



Do not drop or push objects into the television cabinet slots or openings. Never spill any kind of liquid on the television receiver.



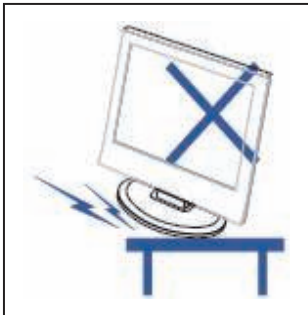
Avoid exposing the main unit to direct sunlight and other sources of heat. Do not stand the television receiver directly on other products which give off heat. E. g. video cassette players, Audio amplifiers. Do not block the ventilation holes in the back cover. Ventilation is essential to prevent failure of electrical component. Do not squash power supply cord under the main unit or other heavy objects.

Caution



Caution

Never stand on, lean on, push suddenly the product or its stand. You should Pay special attention to children.



Caution

Do not place the main unit on an unstable cart stand, shelf or table. Serious injury to an individual, and damage to the television, may result if it should fall.



Caution

When the product is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.

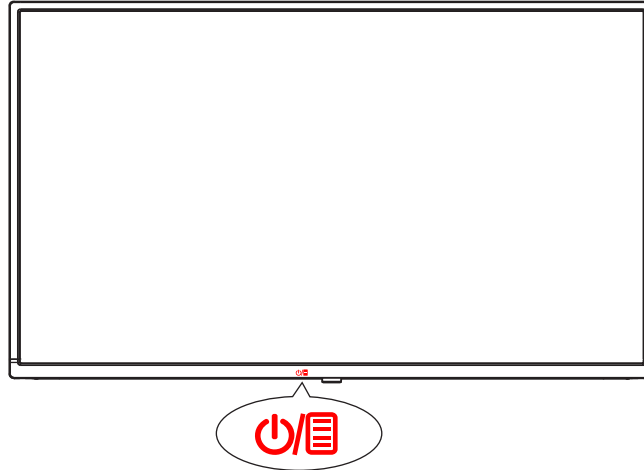


Caution

The LED panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the LED panel breaks.

Main unit description

Control Panel Button Function










Display\ hidden button menu: press the button in the pop-up menu, as shown below. The button menu will be closed automatically after the button is not operated for 5 seconds.



Button function selection: press the button shortly, move the focus to the right, and select the corresponding function, such as the short press on the button for 6 times the focus position as shown in the belowpicture. Press the button for a short time, and the focus is back to the position shown in the above picture.

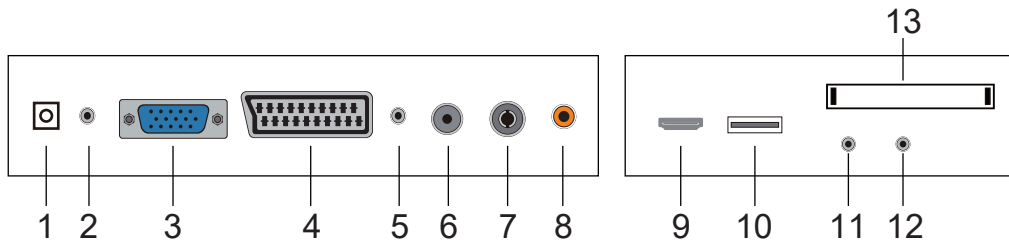


Key function operation: longly press key can perform focus function, such as focus in the position shown above, will perform channel reduction.

-  Power off function, which corresponds to the "power" button of the menu.
-  Display the menu, which corresponds to the "menu" button of the remote control.
-  Display the signal source menu, which corresponds to the "signal source" button of the remote control.
-  Increase the volume, which correspond to the "volume +" button of the remote control.
-  Decrease the volume, which correspond to the "volume -" button of the remote control.
-  Switch the channel forwards, which correspond to the "channel +" button for the remote control.
-  Switch the channel backwards, which correspond to the "channel -" button for the remote control.

Main unit description

TV Terminal Connections



1. DC 12V input terminal.
2. EARPHONE output terminal.
3. VGA input terminal.
4. SCART input terminal.
5. PC AUDIO input terminal.
6. LNB input terminal.
7. RF(C/T2) input terminal.
8. COAXIAL output terminal.
9. HDMI input terminal.
10. USB input terminal.
11. Mini-AV input terminal.
12. Mini-YPBPR input terminal.
13. COMMON INTERFACE(CI) slot.

Optional Configuration as below:

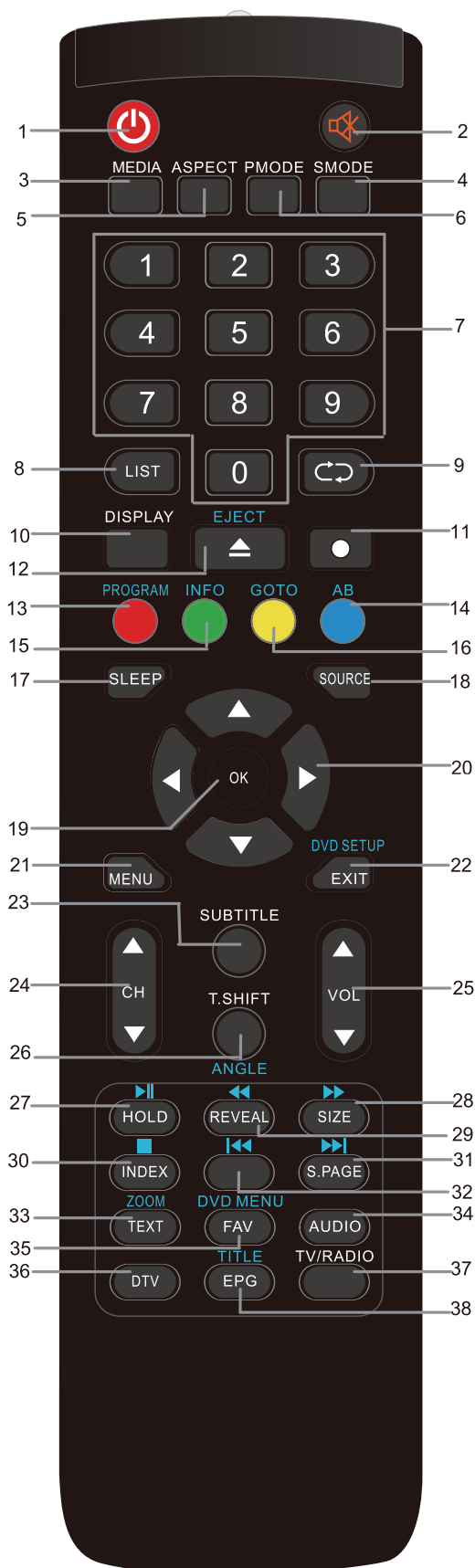
Connect the USB to the USB jack on the set.



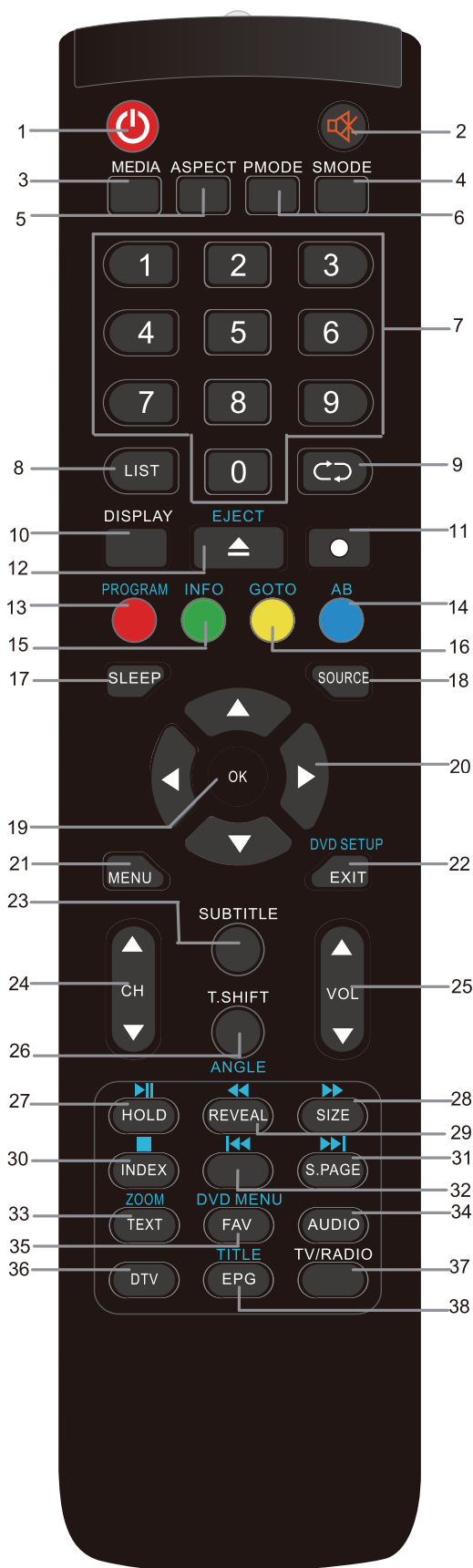
NOTE

- It is only 500 mA MAX of DC current output when you connect with USB jack
- To ensure the Mobile HD works well, you should use other power supply for the Mobile HD. And do not use the USB jack in the same time.
- It supports Mobile HD by connecting with USB jack (must more than 2 GB). The partitions of the Mobile HD can't be more than 4 partitions. The max partition is 2TB. It supports FAT/FAT32 document. The max FAT document is 4GB and the max FAT32 document is 2TB.

Remote control



1. **POWER:** to switch the set device to on or standby.
2. **MUTE:** To disable or enable the sound output.
3. **MEDIA:** Open Media Playback (USB)
4. **SMODE:** To change the sound setting
5. **ASPECT:** to switch the aspect ratio
6. **P.MODE:** Change image setting
7. **NUMBER KEYS:** used to select channel numbers or input numbers in menus.
8. **LIST:** Shows the channel list
9. **RECALL:** To show the last viewed channel
10. **Display:** Used to display information about the channel being viewed or further information about the program when in DTV mode.
11. **REC:** Start recording
12. **EJECT:** Eject DVD in DVD mode
13. **RED Colour key:**
In menu: Menu function as displayed
In TV mode: Teletext functions
In DVD mode: Playback programming
14. **BLUE Colour key**
In Menu: Menu function as displayed
In TV mode: Teletext functions
In DVD mode: A-B repeat
15. **GREEN Colour key**
In Menu: Menu function as displayed
In TV mode: Teletext functions
In DVD mode: DVD Informations
16. **YELLOW Colour key**
In Menu: Menu function as displayed
In TV mode: Teletext functions
In DVD mode: Goto DVD position
17. **SLEEP:** Set timer to turn off the TV.
18. **SOURCE:** Select input source
19. **OK:** Used to confirm a selection within a menu.
20. **ARROW KEYS:** Move within the menus.
21. **MENU:** open the menu of the current title.
22. **EXIT:**
In menu: Used to return to the previous screen or menu.
In DVD mode: Open DVD settings



23. SUBTITLE: Used to switch among different subtitles that are broadcasted in DTV and DVB-S mode.

24. CH+/-: Channel selection

25. VOL+/-: Adjust the volume level.

26. T.SHIFT: Start / Stop time shift recording

27. HOLD/ PLAY:

TV mode: picture freeze

USB/DVD mode: Play the media player

28. SIZE/ ►►

TV Teletext mode: To change the view

USB/DVD mode: Forward file playback

29. REVEAL/ ◀◀

TV Teletext mode: to show hidden information if existing.

USB/DVD mode: Fast rewind for USB/DVD file playback

30. INDEX/STOP:

TV Teletext mode: To open the Index page

TV mode: To open the record settings

USB/DVD mode: Stop for USB/DVD file playback

31. S.PAGE/ ►►►

TV Teletext mode: To open a subpage if existing.

USB/DVD mode: go to the next file

32. ◀◀◀

USB/DVD mode: go to the previous file

33. TEXT/ZOOM:

TV mode: to open teletext if teletext available in the broadcasted stream.

USB/DVD mode: Picture zoom

34. AUDIO: To change the audio track

35. FAV/DVD MENU:

TV mode: Used to access your favorite channels.

USB/DVD mode: To open the DVD main menu if existing

36. DTV: Switch to TV input directly

37. TV/RADIO: It is used to switch between digital TV channels and radio stations if existing.

38. EPG/TITLE:

TV mode: To display information about the program being viewed and what's on next.

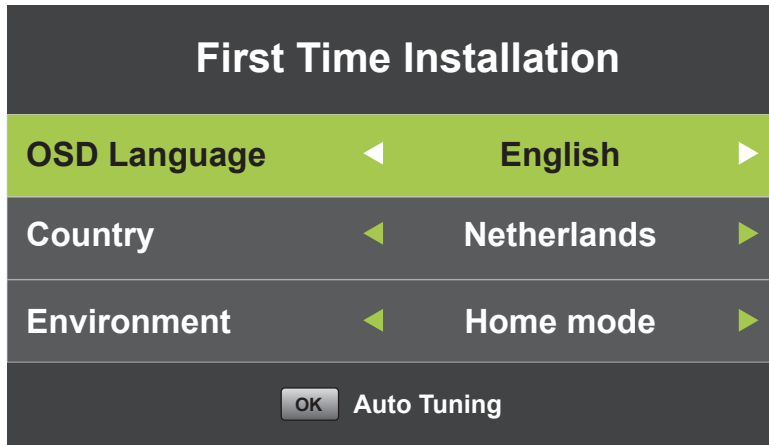
USB/DVD mode: To open the DVD Title menu if existing.

OSD basic adjustment

Installation Guide

If this is the first time you are turning on the TV and there are no programs in the TV memory, the installation Guide menu will appear on the screen.

1. Press the “▲/▼/◀/▶” button to select the language.
2. Press the “▲/▼/◀/▶” button to select the local country you want to
3. Press the “▲/▼/◀/▶” button to select energy mode.



Note: Searching for platform will take a long time, please be patient!

Channel

Press MENU button to display the main menu. Press ◀ / ▶ button to select CHANNEL in the main menu

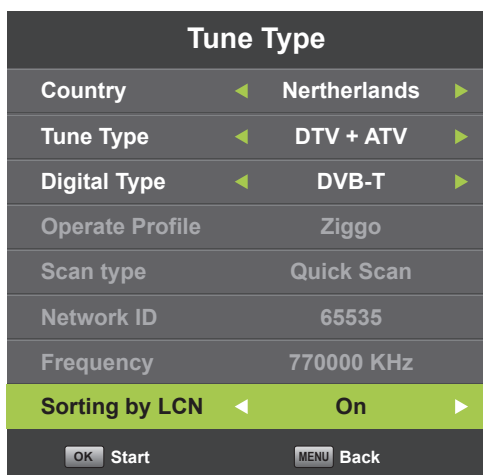


1. Auto Tuning

Press “▲/▼” button to select “Auto Scan”

Press “▲/▼” button to select country and press the “▲/▼” button to select Tune Type and Digital Type.

Press “OK” button to start scanning. Press “MENU” button to skip or “EXIT” button to stop.

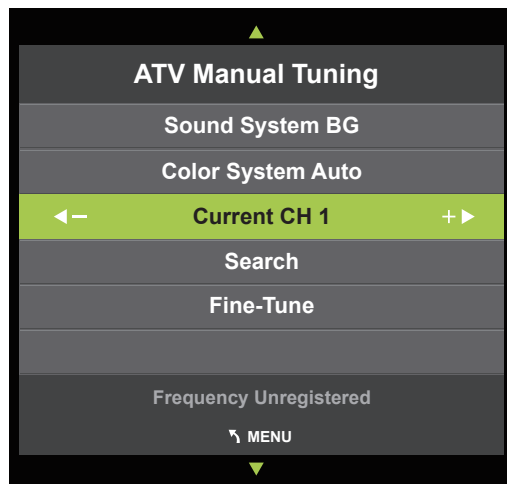


Note: Searching for platform will take a long time. Please be patient!



2. Analog Manual Scan

Press “▲/▼” button to select “Manual scan” and press the “▶” button to ATV Manual Tuning. Press “MENU” button to return the previous menu. Press “EXIT” button to exit the menu.



3. Digital Manual Tuning

Press “▲/▼” button to select “Diigital Manual Scan” and press the “▼” button to start.

Press “MENU” button to return the previous menu.

Press “EXIT ” button to exit the menu.



4. Channel Edit

Press “▲/▼” button to select “Channel Edit” and press the “ENTER” button to enter.



a. DELETE

Press “▲/▼” button to select the program and press “RED” button once to delete the program.

b. SKIP

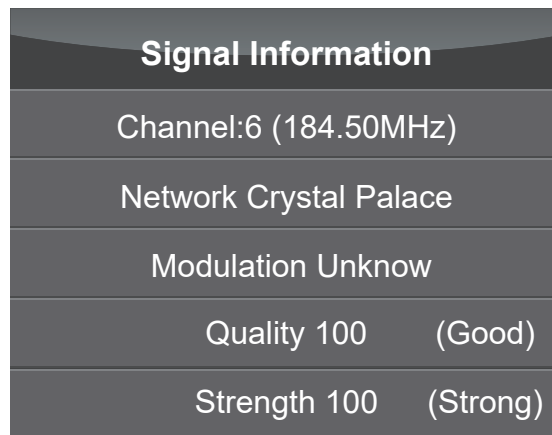
Press “▲/▼” button to select the channel which you want to skip and press the “BLUE” button to skip. Press “BLUE” button again to cancel the setting.

c. MOVE

Press “▲/▼” button to select the channel and press the “YELLOW” button to move . Then press the “▲/▼” button to select the channel with which you want to move. Press “YELLOW” button again to confirm.

5. Signal information (only use in DTV)

Press “▲/▼” button to select “Signal information” and Press “MENU” button to return the previous menu. Press “EXIT” button to exit the menu.



Signal Information	
Channel:6 (184.50MHz)	
Network Crystal Palace	
Modulation Unknow	
Quality 100	(Good)
Strength 100	(Strong)

6. CI Information

Press “▲/▼” button to select “CI Info” and press the “OK” button to check CI card information..

PICTURE

You can select the type of picture, which best corresponds to your viewing.

Press the “MENU” button to enter the OSD menu. Then press “◀/▶” button to select the “PICTURE” menu. Press “▲/▼” button to select “Picture Mode” and press the “OK” button to select.



1. Press “▲/▼” button to select “Contrast” and press the “◀/▶” button to enter contrast adjustment menu to adjust contrast.
2. Press “▲/▼” button to select “Brightness” and press the “◀/▶” button to enter brightness adjustment menu to adjust brightness.
3. Press “▲/▼” button to select “Colour” and press the “◀/▶” button to enter colour adjustment menu to adjust colour.
4. Press “▲/▼” button to select “Sharpness” and press the “◀/▶” button to enter sharpness adjustment menu to adjust sharpness.
5. Press “▲/▼” button to select “Tint” and press the “◀/▶” button to enter Tint adjustment menu to adjust Tint.

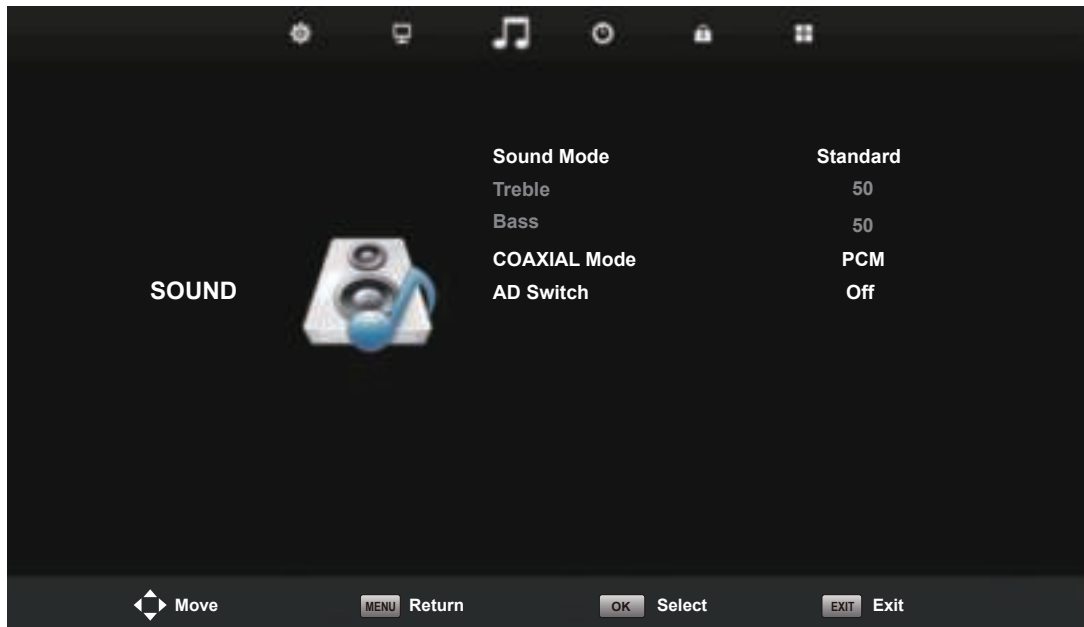
Note: The 'Tint' item is used in NTSC mode only.

6. Press “▲/▼” button to select “Color Temp” and press the “◀/▶” button to select mode: Normal, Cold, Warm.
7. Press “▲/▼” button to select “Noise Reduction” and press the “◀/▶” button to select.
8. Press “▲/▼” button to select “HDMI Mode” and press the “◀/▶” button to select.

SOUND

You can select the type of sound, which best corresponds to your listening.

Press the “MENU” button to enter the OSD menu. Then press “◀/▶” button to select the “SOUND” menu.



1. Press “▲/▼” button to select “Sound Mode” and press the “◀/▶” button to select mode.
2. Press “▲/▼” button to select “Treble” and press the “◀/▶” button to adjust.
3. Press “▲/▼” button to select “Bass” and press the “◀/▶” button to adjust.
4. Press “▲/▼” button to select "COAXIAL Mode" and press the "OK" button to adjust.
5. Press “▲/▼” button to select "AD Switch" and press the "OK" button to adjust.

TIME

Press the “MENU” button to enter the OSD menu. Then press “◀/▶” button to select the “Time” menu.

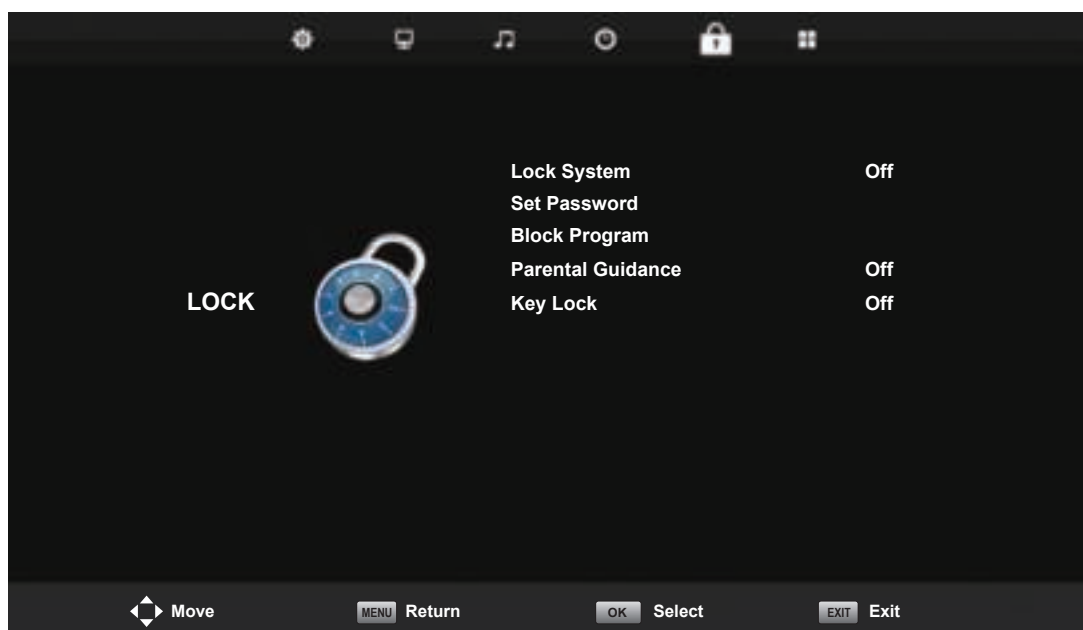


1. Press “▲/▼” button to select “Time Zone” and Press “ENTER” button to enter submenu . Press “▲/▼/◀/▶” button to select time zone”.
2. Press “▲/▼” button to select “Sleep Timer” and Press “ENTER” button to enter submenu. Press the “▲/▼” button to adjust.
3. Press “▲/▼” button to select “Auto Standby” and Press “ENTER” button to enter submenu . Press the “▲/▼” button to adjust.
4. Press “▲/▼” button to select “OSD Timer” and Press “ENTER” button to enter submenu .Press the “▲/▼” button to adjust.

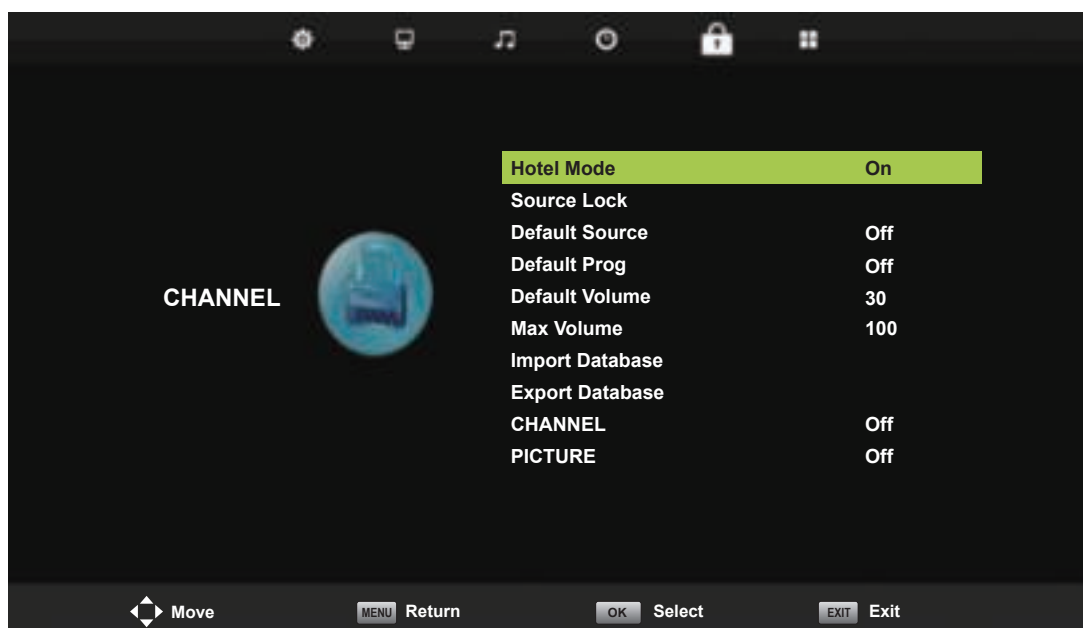
LOCK

Press the “MENU” button to enter the OSD menu. Then press “◀/▶” button to select the “Lock System” menu. The default password is “1234”.

Note: The administrator password is “8899”.



1. Press “▲/▼” button to select “System Lock” and then press “◀/▶” button to select “On” or “Off”
2. Press ▼ / ▲ button to select “Set Password” and set your new password.
3. Press “▲/▼” button to select “Channel Locks” and press the “GREEN” button to select channel (s) to lock .
4. Press “▲/▼” button to select “Parental Guidance” and press the “◀/▶” button to set.
5. Press ▼ / ▲ button to select “Key Lock”, then press button to select “On” or “Off”, The key board will be invalid if you set Lock Keypad “On”.
6. Press ▼ / ▲ button to select “Hotel Mode” and press the “ menu+8888 ” button to enter the sub-menu to set.



OPTION

Press the “MENU” button to enter the OSD menu. Then press“◀/▶” button to select the “SETUP” menu.



1. Press “▲/▼” button to select “Language” and press the “◀/▶” button to select the OSD language which you desire.
2. Press “▲/▼” button to select “TT Language” and press the “◀/▶” button to select the TT language which you desire.
3. Press “▲/▼/” button to select “Audio Language” and press the “▶” button to enter the Audio language adjustment menu to select the Audio language which you desire.
4. Press “▲/▼” button to select “Subtitle Language” and press the “▶” button to enter the subtitle language adjustment menu to select the subtitle language which you desire.

Note: This function is only used for DTV source.

5. Press “▲/▼” button to select “Hearing Impaired” and press the “◀/▶” button to select “On” or “Off”.
6. Press “▲/▼” button to select “Aspect Ratio” and press the “◀/▶” button to select to select aspect ratio: Auto,4:3,16:9,Zoom1, Zoom2
7. Press “▲/▼” button to select “Blue Screen” and press the “◀/▶” button to select “On” or “Off”.
8. Press “▲/▼” button to select “First Time Installation” and press “ENTER” button to enter.
9. Press “▲/▼” button to select “Reset”, then press “ENTER” a dialogue. Press “◀” button selecting “Yes” to restore all setting to default setting.
10. Press “▲/▼” button to select “Software Update” and press “OK” button to update software using USB.

Note: It is only use for service

11. Press “▲/▼ /◀/▶ ”button to select “Environment”:Home Mode ,Shop Mode.
12. Press “▲/▼” button to select “HDMI CEC”.

DTV Features

Favorite List

When the source is selected as DTV, users can enter Favorite List by pressing “FAV” button. The “Favorite List” window is illustrated as follows:

You can press the “◀/▶” button to select the favorite list number



Program Information

When the source is selected as DTV, you can press “i” button to display the channel’s information. The program information window is illustrated as follows:



Audio

When the source is selected as DTV, users can enter the Setup menu to enter the “Audio Language” menu . The “audio language” window is illustrated, and press “▲/▼” button to select the “Audio Language” menu .



Subtitle

When the source is selected as DTV, users can go to the menu to set.



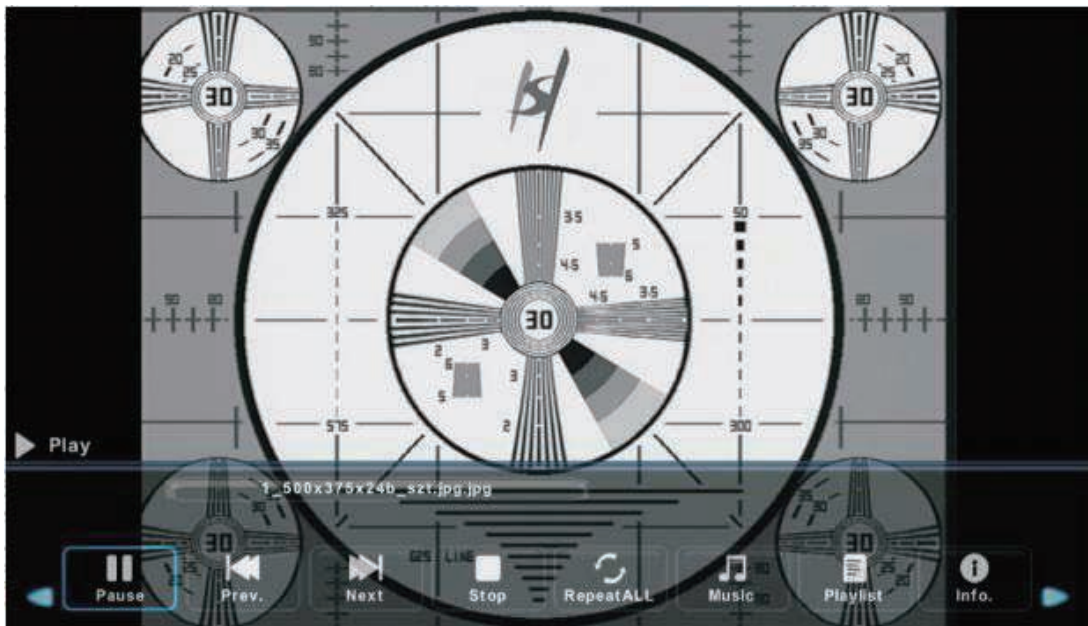
Note: The pictures in regard to function are provided for reference purposes only.

USB Features

Press the “SOURCE” button to change to the “MEDIA” source.



Photo



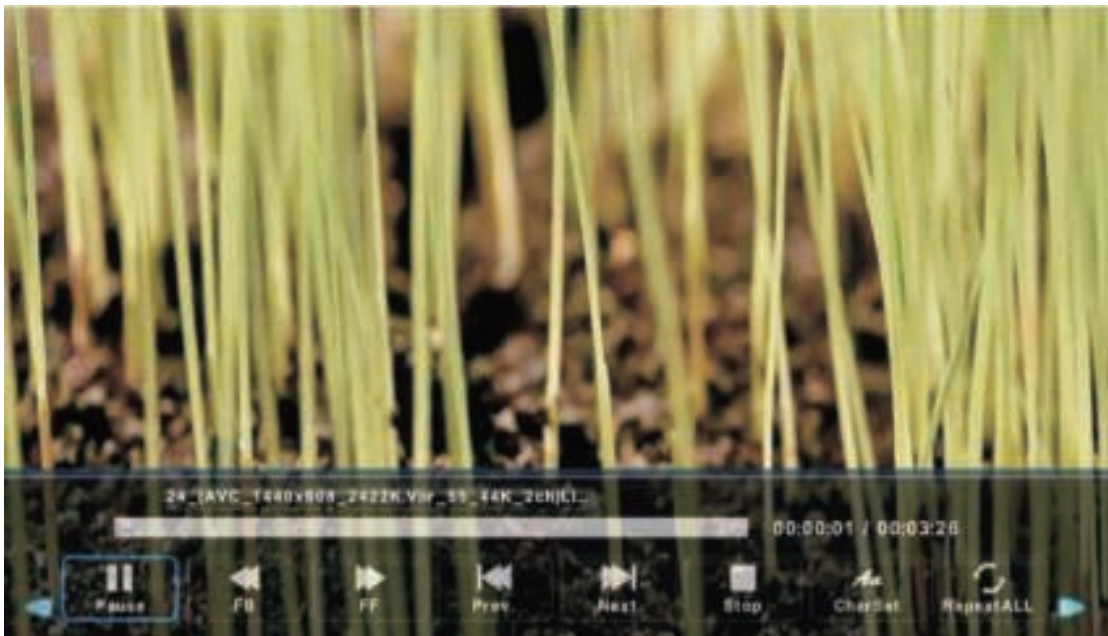
1. Press the “◀ / ▶” button enter the “PHOTO” option, and press “ENTER” button to enter
2. Press “◀ / ▶” button to select drive disk you want to watch, then press enter button to enter.
3. Press the “EXIT” button to back to the previous menu.

Music



1. Press “◀ / ▶” button to select MUSIC in the main menu, then press “ENTER” button to enter
2. Press “◀ / ▶” button to select drive disk you want to watch, then press enter button to enter
3. Press the “exit” button to back to the previous menu

Movie



1. Press “◀ / ▶” button to select “MOVIE” in the main menu, then press “ENTER” button to enter
2. Press” ◀ / ▶” button to select drive disk you want to watch, then press enter button to enter
3. Press the “exit” button to back to the previous menu.

SPECIFICATIONS

HDMI INPUT

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (HZ)
576i	720 x 576i	15.63	50
480p	720 x 480p	31.47	59.94/60
576p	720 x 576p	31.26	50
720p	1280 x 720p	37.50	50
		44.96	59.94/60
1080i	1920 x 1080i	28.13	50
		33.75	59.94/60
1080p	1920 x 1080p	56.25	50
		67.5	59.94/60

COMPONENT (YPbPr) INPUT

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (HZ)
480i	720 x 480i	15.73	59.94/60
576i	720 x 576i	15.63	50
480p	720 x 480p	31.47	59.94/60
576p	720 x 576p	31.26	50
720p	1280 x 720p	37.50	50
		44.96	59.94/60
1080i	1920 x 1080i	28.13	50
		33.75	59.94/60
1080p	1920 x 1080p	56.25	50
		67.5	59.94/60

Trouble Shooting

Before consulting service personnel, check the following chart for possible solutions.

PROBLEM	SOLUTION
TV will not turn on	<ul style="list-style-type: none">● Make sure the power cord is plugged in.● The batteries in the remote control may be Exhausted; replace the batteries.
No picture, no sound	<ul style="list-style-type: none">● Check the cable between TV and antenna/ external AV device.● Press the power button on the remote.● Press the SOURCE button the remote, then press the “▲/▼” button repeatedly to select the TV source.
Poor picture, sound OK	<ul style="list-style-type: none">● Check the cable between TV and antenna/ external AV device.● Try another channel, the station may have broadcast difficulties.● Adjust the brightness/contrast in the Video menu. Check that the unit is set to PAL
Audio noise	<ul style="list-style-type: none">● Move any infrared equipment away from the TV.

The TFT LED panel uses a panel consisting of sub pixels which requires sophisticated technology to produce. However, there may be a small number of bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

