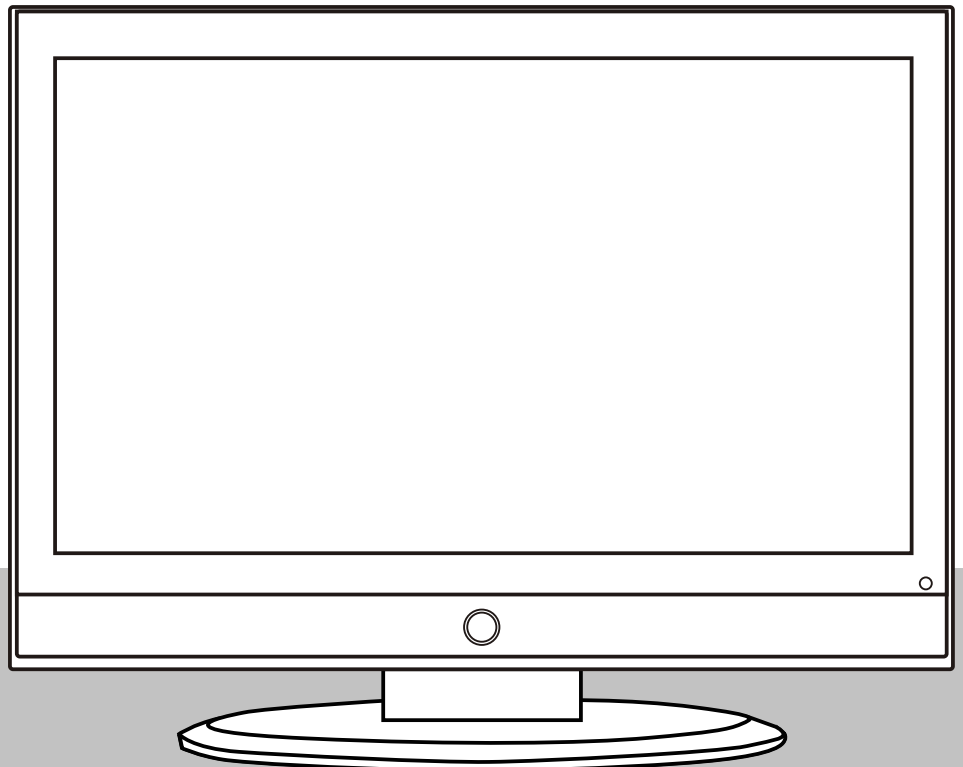

32" Wide Screen LCD TV with DVB

Model No.: 3230DVB



Read all of the instructions before using this TV and keep the instruction manual in a safe place for future reference.

Caution



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of un-insulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the persons.



The exclamation point within an equilateral triangle is intend to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Correct disposal of this Product

Waste Electrical & Electronic Equipment (WEEE)

Your product is designed and manufactured with high quality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.

Please dispose of this equipment at your local community waste collection/ recycling centre.

In the European Union there are separate collection systems for used electrical and electronic products. Please help us to conserve the environment we live in!



This unit complies with European safety and electrical interference directives.

Safety Information

To ensure reliable and safe operation of this equipment, please read carefully all the instructions in this user guide, especially the safety information below.

Electrical safety

- The TV set should only be connected to a mains supply which matches that stated on the label on the mains adaptor
- To prevent overload, don't share the same mains supply socket with too many other items of equipment.

Do not place any connecting wires where they may be stepped on or tripped over.

Do not place heavy items, which may damage the leads, on them.

Hold the Mains plug, not the wires, when removing from a socket.

During a thunderstorm or while leaving the TV for long periods, disconnect the aerial (if outdoor) and mains adaptor from the supply.

Do not allow water or moisture to enter the TV or mains adaptor. Do NOT use in wet or moist areas such as Bathrooms, steamy kitchens or near swimming pools.

- Pull the plug out immediately, and seek professional help if:

the mains plug or cable is damaged

liquid is spilt onto the set, or if it is accidentally exposed to water or moisture

anything accidentally penetrates the ventilation slots

the set doesn't work normally.

Do NOT remove the safety covers. There are no user serviceable parts inside. You may invalidate the warranty. Qualified personnel must only service this apparatus.

To avoid battery leakage, remove exhausted batteries from the remote control handset, or when not using for a long period.

Do NOT break open or throw exhausted batteries on a fire.

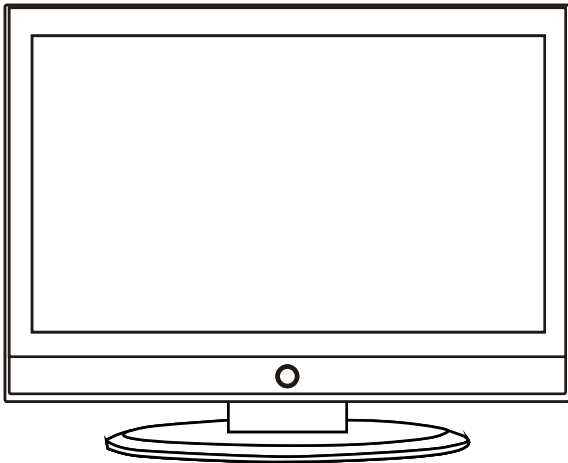
Physical safety

- Do NOT block ventilation slots in the back cover. You may place the TV in a cabinet, but ensure at least 5cm (2") clearance all around.
- Do NOT tap or shake the TV screen, you may damage the internal circuits. Take good care of the remote control, do not drop.
- To clean the TV use a soft dry cloth. Do NOT use solvents or petrol based fluids. For stubborn stains, you may use a damp soft cloth with dilute detergent.

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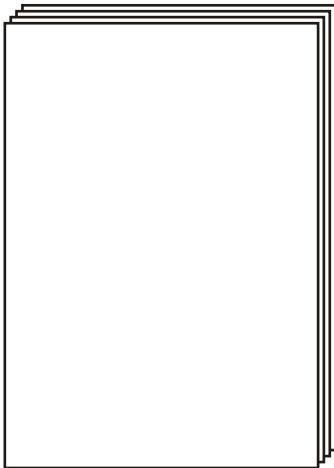
Unit and Accessory



TV set



Remote Control(battery: 2xAA)



User's Manual



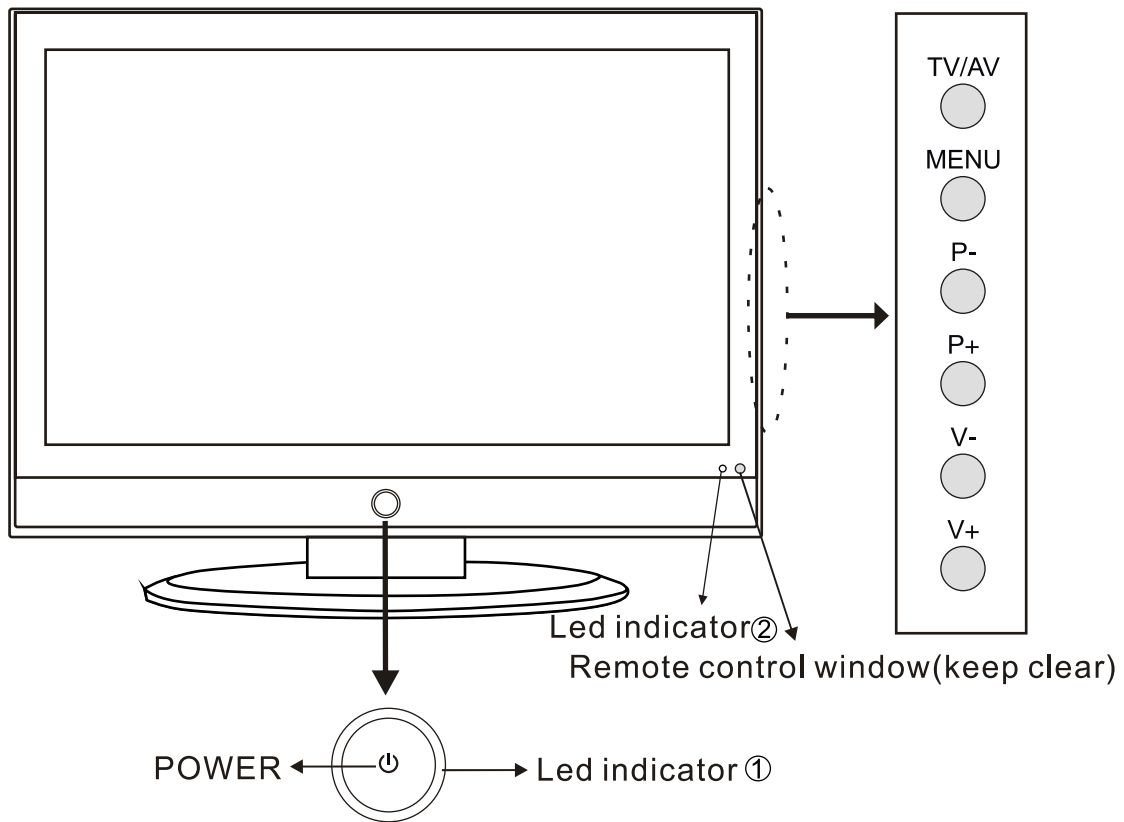
Power Cable

Product Feature

- Inputs : VGA,RF,VIDEO,SVIDEO,YPbPr,SCART1,SCART2,HDMI1,HDMI2
- Audio input: Audio R/L. PC Audio, YPbPr Audio R/L
- Support TV mode: PAL, SECAM(B/G, D/K, I)
- Teletext: Support 4000 pages teletext most
- Support NICAM and FM Stereo
- 200 Store channels
- Receives over 40 FREEVIEW channels
- 7 days electronic program guide
- Now and Next EPG
- Search TV: Auto/Manual
- Auto-shutting down
- Program exchange and edit
- Speaker output 2x8W
- Power(AC 100-240V 50/60Hz)

Getting Started

Front View



- 1(IR)Infrared Receiver: Receives IR signal from the remote control.
(Power on/Standby)LED Indicator: Press POWER to turn on and off.
Indicator on(Blue ①) Standby mode
Indicator on(Green ②) Power on mode

The effective receiving scope for the signal is 5-8 meters from the front of the remote control window, and 30° to the left or right side and 20° above or below the control window.

2 The functions of the buttons are described as bellows:

TV/AV: Press to display the input source menu

MENU: Press to display the OSD menu, Press again to exit the menu.

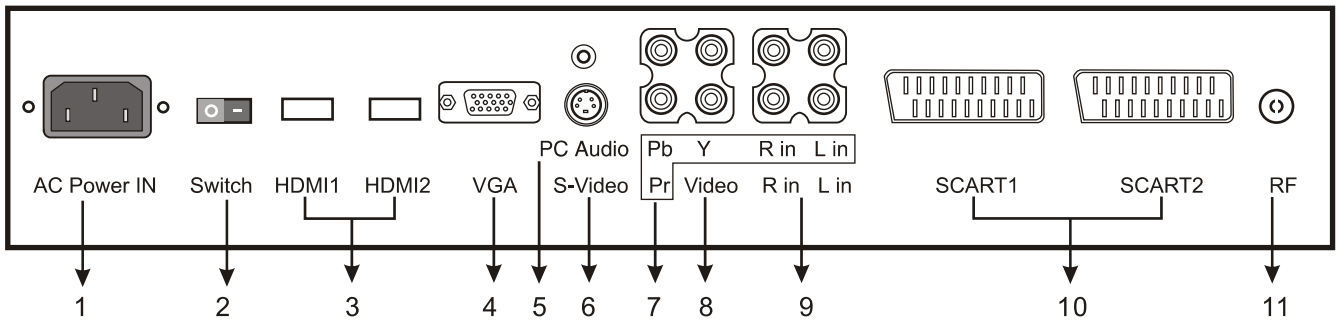
P+/-: Press to scan through channels.

V+/-: Press to adjust the volume.

Power: Turn on/standby the TV set.

Getting Started

Rear View



1. **AC POWER IN:** Connect to an earth 100-240V, 50/60Hz AC outlet with the Power Cable.

2. **SWITCH:** Turn on/off the AC power.

3. **HDMI1/2:** Connect it to the HDMI of DVD or other equipment.

4. **VGA:** For PC display. Connect it to the D-Sub 15 pins analog output connector of the PC.

5. **PC AUDIO IN:** Connect it to the audio output terminal of PC.

6. **S-VIDEO:** Connect it to S-Video output terminal of DVD.

7. **YPbPr:** Connect them to the video output terminal of DVD.(used in YPbPr source)

L/R in: Connect them to the audio output terminal of DVD(with YPbPr).

8. **VIDEO:** Connect it to video output terminal of DVD.

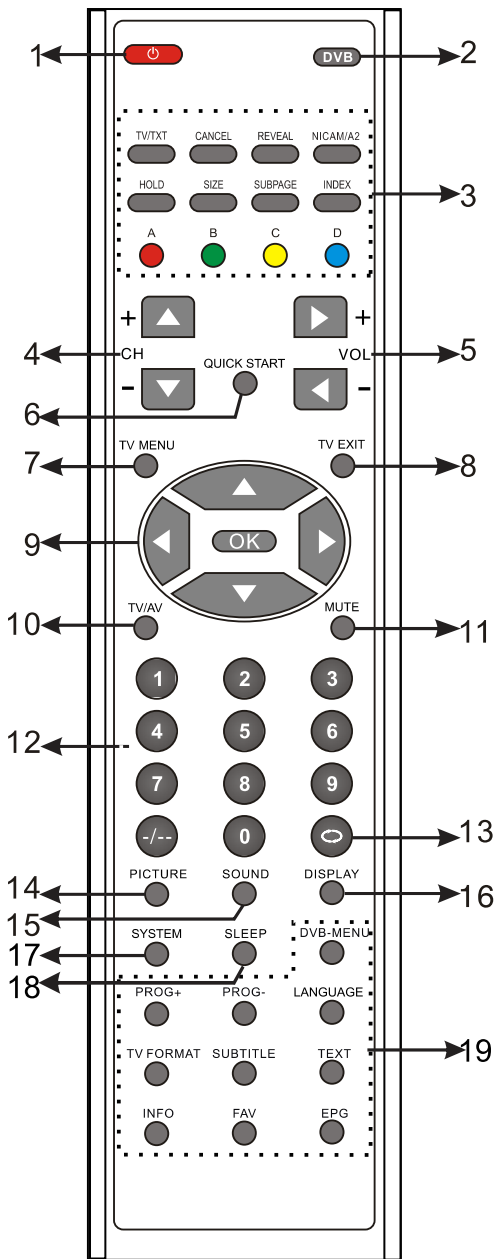
9. **L/R in:** Connect them to audio output terminal of DVD(with VIDEO/S-VIDEO).

10.**SCART1/2:** Connect them to the composite terminal of DVD.

11.**RF:** Connect antenna or cable 75 Ohm coaxial to receive TV signal.

Getting Started

Remote Control



1. Fit two AA batteries, making sure that they are the correct way round, as marked on the case.
2. Aim the remote control at the window to the right side of the screen, and keep the window clear at all times.
3. Do not press the buttons on the remote control too quickly, allow time for the set to respond.

1. **POWER**: Turn the TV on or Standby.
2. **DVB**: Swap the input source between TV and DVB.
3. Buttons for Teletext ,NICAM and DVB(see below).
4. **CH+/-** : Select channels.
5. **VOL+/-** : Adjust the volume.
6. **QUICK START** : To tune in your TV.
7. **TV-MENU**: TV system setup menu.
8. **TV-EXIT** : Exit from the TV menu.
9. Cursor buttons: Cursor buttons for DVB menu.
10. **TV/AV** : Press to display the input source menu →
11. **MUTE** .
12. **0-9,-/--** : Choose channel directly, Number buttons for DVB.
13. **↻** : Go back to play the last channel.
14. **PICTURE** : Select the picture mode.
15. **SOUND** : Select the sound mode.
16. **DISPLAY** : Display current mode.
17. **SYSTEM** : Select the TV's colour & audio norm: BG/DK/I/L'
18. **SLEEP**: Shutdown timer.
- 19(3). Buttons for DVB (See below)



3. Buttons for Teletext and NICAM

TV/TXT : Turn on/off Teletext.

CANCEL : Cancel Teletext.

REVEAL : Reveal any hidden text.

NICAM/A2

HOLD: Hold or carry on the current subpage.

SIZE : Double size.

SUBPAGE : press to subpage, again to cancel.

INDEX : Go to index.

Colour buttons: Short cuts-follow the coloured links in the text.

19(3): Buttons for DVB

DVB-MENU : Display the main menu on the screen or return to the screen from a menu screen.

PROG+/- : DVB program +/-

LANGUAGE : To select audio language.

TV FORMAT : Change aspect ratio 4:3 or 16:9

SUBTITLE : Switch the dialogue at the bottom, of the screen.

TEXT : View the teletext broadcasting program.

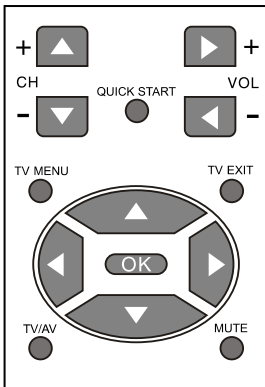
INFO : Display brief information concerning the current channel.

FAV : Display the favorite channel list defined by you.

EPG : Display the electronic program guide during no-menu state only.

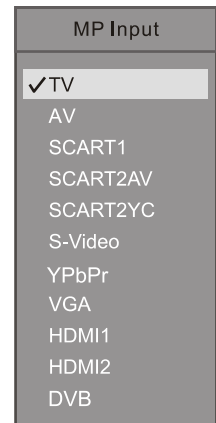
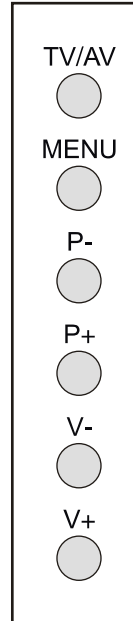
A(Red),B(Green),C(Yellow),D(Blue) : These keys are effective only combining with MHEG5 and extended EPG schedule MHEG5 applications.

Basic operation



Basic buttons on TV set(page 5)

Basic buttons on remote control(page 7)



Power: Turn the TV on/standby

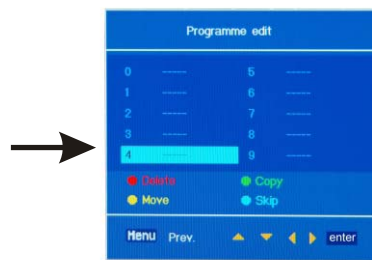
TV/AV: Press the button to display the source menu(see the right picture)

P+/-, CH+/-: Press to scan through channels.

To scan quickly through channels, press and hold down either channels.

VOL+/-, V+/-: Press to adjust the volume.

▲▼◀▶ : They are used in OSD menu. When the screen display the OSD menu, Press ▲▼ buttons to select the main menu you like: SEARCH, PICTURE, SOUND, TIMER, SETUP, SCREEN, SOURCE. Press ▶ button to enter the menu, and press ▲▼ buttons to select a submenu, press ▶ button to enter it, or press ◀▶ buttons to adjust/ select.



press ▶ button

Picture 1



press ◀▶ button

Picture 2

Menu operation

SEARCH MENU(in TV mode)



Press **TV-MENU** button to display the OSD menu, press **▲/▼** button to select the menu "SEARCH", press **▶** button to enter the menu, then you can use **▲/▼** buttons to select the submenu: **Auto Tuning, Search, Program Edit**. Press **TV-MENU** button to return to the main menu, press **▶** button to enter the submenu.



Auto Tuning

Press **▲ / ▼** button to select "Auto Tuning" press **▶** button to enter it.

SYSTEM: It is decided by the item "Country"

Country: Press **▲ / ▼** button to select "Country", press **◀ / ▶** button to select the country as your requirement.

Press OK button to confirm and exit the menu.

AutoSearch: Press **▲ / ▼** button to select "AutoSearch", press **▶** button to start Auto search.

When it is Auto searching, you can press TV-MENU button to stop and return to the preview menu.



Search

Press **▲ / ▼** button to select "Search" press **▶** button to enter it:

Channel No.: Press **▲ / ▼** button to select "Channel No.", press **◀ / ▶** button to select a channel No.

Sound System: Press **▲ / ▼** button to select "Sound System", press **◀ / ▶** button to select sound system of the program.

Color System: Press **▲ / ▼** button to select "Color System", press **◀ / ▶** button to select color system of the program.

Freq.: Display the current channel's frequency.

Manual Search: Press **▲ / ▼** button to select "Manual Search", press **◀ / ▶** button to search backward/forward.

AFT: Press **▲ / ▼** button to select "AFT", Press **◀ / ▶** button to turn on/off Automatic Frequency Control.

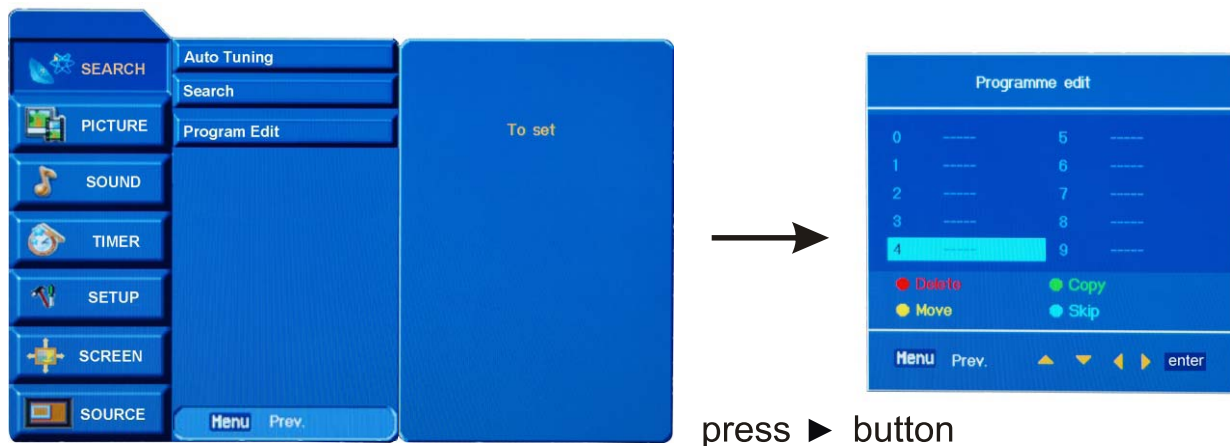
Skip: Press **▲ / ▼** button to select "Skip", Press **◀ / ▶** button to turn on/off the function of skip, when the function is turned on, the current channel will be skipped when you scan channels with CH+/- button.

Fine: Press **▲ / ▼** button to select "Fine", press **◀ / ▶** button to fine tuning when the signal of the current channel is weak.

Name: Press **▲ / ▼** button to select "Name", press **◀ / ▶** button to select the position of the word, press **▲ / ▼** button to select the letter you want.

Press ENTER button to confirm and return to preview menu

Menu operation



Program Edit

Press ▲/▼ button to select “Program Edit”, press ► button, the screen will display the Programme edit menu.

Delete: Use ▲▼◀▶ buttons to select the channel you want to delete, press **OK** button to confirm, then press the **RED** button on the remote control, and the color of the channel will change to red. Press the **RED** button again to delete, or press **TV-MENU** button to cancel.

Copy: Use ▲▼◀▶ buttons to select the channel you want to copy, press **OK** button to confirm, then press the **GREEN** button on the remote control, and the color of the channel will change to green, then use ▲▼◀▶ buttons to select the channel you want to be copied, and press the **GREEN** button again to copy, press **TV-MENU** button to cancel.

Move: Use ▲▼◀▶ buttons to select the channel you want to move, press **OK** button to confirm, then press the **YELLOW** button on the remote control, and the color of the channel will change to yellow, then you can use ▲▼◀▶ buttons to change the position of the channel you want, press the **YELLOW** again to move, press **TV-MENU** button to cancel.

Skip: Use ▲▼◀▶ buttons to select the channel you want to skip, press **OK** button to confirm, then press the **CYAN** button on the remote control, and the color of the channel will change to cyan (means this program is skipped), then press the **CYAN** button again to cancel.

Menu operation

PICTURE MENU

Press **TV-MENU** button to display the OSD menu, press **▲/▼** button to select the menu "PICTURE", press **▶** button to enter the menu, then you can use **▲/▼** buttons to select the submenu: **Picture Mode, Color Temperature, Contrast, Brightness, Color, Sharpness, Tint**(in NTSC mode).

Press **TV-MENU** button to return to the main menu, press **▶** button to enter the submenu.



Press ▲/▼ button to select the menu press ▶ button to enter it.

Press OK button to confirm and return to preview menu

Picture Mode: Press ▲ / ▼ button to select picture mode.
Dynamic, Standard, Mild, User.

Color Temperature: Press ▲ / ▼ button to select Color temp.
Cool, Normal, Warm.

Press ▲/▼ button to select the menu

Press OK button to confirm and return to preview menu.

Contrast: Press ◀/▶ button to adjust the contrast.

Brightness: Press ◀/▶ button to adjust the brightness.

Color: Press ◀/▶ button to adjust the color.

Sharpness: Press ◀/▶ button to adjust the Sharpness.

Tint: Press ◀/▶ button to adjust the tint. (only used in NTSC mode).

SOUND MENU

Press **TV-MENU** button to display the OSD menu, press **▲/▼** button to select the menu "SOUND", press **▶** button to enter the menu, then you can use **▲/▼** buttons to select the submenu: **Sound Mode, Balance, Treble, Bass**. Press **TV-MENU** button to return to the main menu, press **▶** button to enter the submenu.



Press ▲/▼ button to select the menu press ▶ button to enter it.

Press OK button to confirm and return to preview menu.

Sound Mode: Press ▲/▼ button to select sound mode.
Surround, Music, Cinema, Sports, User.

Press ▲/▼ button to select the menu

Press OK button to confirm and return to preview menu.

Balance: Press ◀/▶ button to adjust the balance.

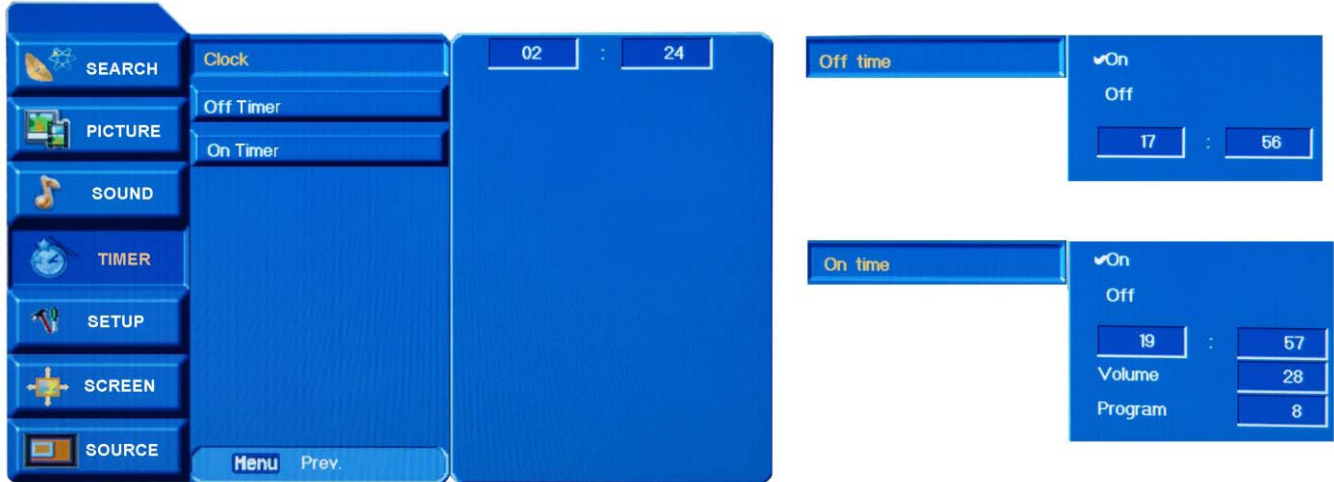
Treble: Press ◀/▶ button to adjust the treble.

Bass: Press ◀/▶ button to adjust the bass.

Menu operation

TIMER MENU

Press **TV-MENU** button to display the OSD menu, press **▲/▼** button to select the menu "TIMER", press **▶** button to enter the menu, then you can use **▲/▼** buttons to select the submenu: **Clock, Off timer, On timer**. Press **TV-MENU** button to return to the main menu, press **▶** button to enter the submenu



Clock current time: Press **▲/▼** button to select the "Clock", press **◀/▶** button to select hour or minute, press **▲/▼** button to setup the time.

Off timer: Press **▲/▼** button to select the "Off timer", press **▶** button to enter it, Press **▲/▼** button to select "on", and press **▶** button to enter the time setup item, use **◀▶▲▼** buttons to setup the time you want the TV to be turned off.

On timer: Press **▲/▼** button to select the "On timer", press **▶** button to enter it, Press **▲/▼** button to select "on", and press **▶** button to enter the setup item, use **◀▶▲▼** buttons to setup the time, volume and program you want the TV to be turned on.

Press OK button to confirm and return to preview menu.

SETUP MENU

Press **TV-MENU** button to display the OSD menu, press **▲/▼** button to select the menu "SETUP", press **▶** button to enter the menu, then you can use **▲/▼** buttons to select the submenu: **Language, Keypad lock, Blue Screen OSD Transparent, TTX Language Group**.

Press **TV-MENU** button to return to the main menu, press **▶** button to enter the submenu.



Language: Press **▲/▼** button to select the "Language", press **◀/▶** button to select OSD language you like.

Keypad Lock: Press **▲/▼** button to select the "Keypad Lock", press **▶** button to enter. To lock the keypad by pressing **▲/▼** button to select "off", and it will be turned on by selecting "On".

Blue Screen: Press **▲/▼** button to select the "Blue Screen", press **▶** button to enter, turn on/off the blue screen function by select "On"/"Off".

OSD Transparent: Press **▲/▼** button to select the "OSD Transparent", press **◀/▶** button to adjust the OSD menu picture's transparent.

TTX Language Group: Press **▲/▼** button to select the "TTX Language Group", press **▶** button to enter, press **▲/▼** button to select the Teletext language.

Press OK button to confirm and return to preview menu.

Menu operation

SCREEN MENU

Press **TV-MENU** button to display the OSD menu, press ▲/▼ button to select the menu "SCREEN", press ► button to enter the menu, then you can use ▲/▼ buttons to select the submenu:

TV, AV, SCART, S-VDEIO mode: Aspect, Noise Reduction

HDTV(YPbPr) source: Aspect, Noise Reduction, H.Position, V.Position

VGA source: Auto sync, Manual config., VGA/XGA mode, Aspect

HDMI source: Aspect, H.Position, V.Position.

Press **TV-MENU** button to return to the main menu, press ► button to enter the submenu.



Auto sync: Press ▲/▼ button to select "Auto sync" press ► button to auto config.(in VGA source)

Manual config.: Press ▲/▼ button to select "Manual config.", press ► button to enter, and press ▲/▼ button to select **Phase, Clock, H.Position**, press ◀/▶ button to adjust.(in VGA source)

VGA/XGA mode: Press ▲/▼ button to select "**VGA/XGA mode**", press ► button to enter, and press ▲/▼ button to select the definition.(in VGA source)

Aspect: Press ▲/▼ button to select "Aspect", press ► button to enter, and press ▲/▼ button to select the ratio of the screen.

Noise Reduction: Press ▲/▼ button to select "Noise Reduction", press ◀/▶ button to turn on/off the noise reduction function.

H/V Position: Press ▲/▼ button to select "H/V Position", press ◀/▶ button to adjust the picture's position.

Press OK button to confirm and return to preview menu.

SOURCE MENU

Press **TV-MENU** button to display the OSD menu, press ▲/▼ button to select the menu "SOURCE", press ► button to enter the menu.

Press **TV-MENU** button to return to the main menu, or press ► button to enter the submenu.



press ► button to enter the submenu:

MP Input: Press▲/▼button to select "MP Input", press►button to enter, press▲/▼button to select the input source.

Press OK button to confirm.

DVB operation

Display the DVB menu

Press **DVB-MENU** to display the main menu in DVB mode as below:



Press **▲/▼** button to select the option that you want to adjust and then use the **OK** button to confirm it
Press **DVB-MENU** again to exit the main menu.

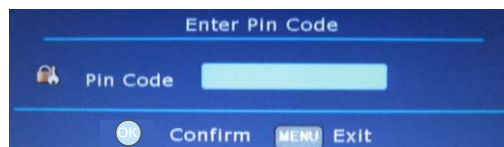
Channel List option



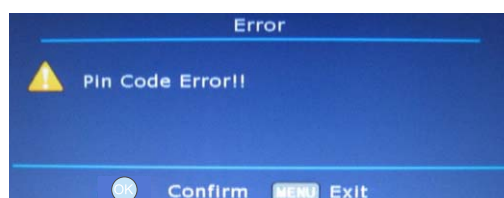
In this menu, you can delete or lock the channel which you select.

Press **▲/▼** button to select the one of channel on the channel list, press the yellow button on the remote control to delete it,

Press **▲/▼** button to select the one of channel on the channel list, press the blue button on the remote control to lock it, it will display a pin code menu on the screen as below, the channel will be locked when you enter the correct pin code and press **OK** button.



The default pin code is 888888, you can change it in the system setting menu. If the pin code is not correct, the system will prompt you as below:



DVB operation

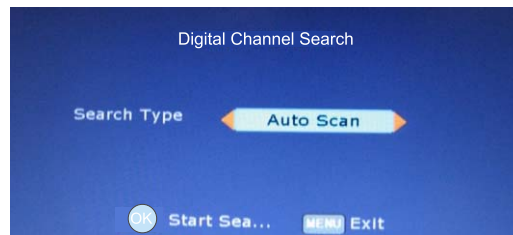
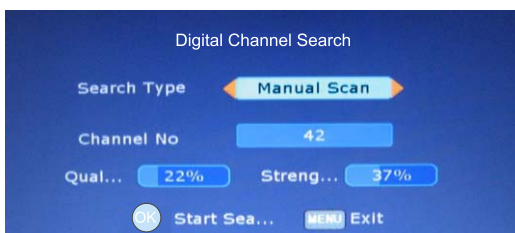
Favorite List options



In this menu, you can remove or add the channel you favorite to the favorite list
Press ▲ / ▼ button to select the one of the list.
Press the red button to switch to the favorite list.
Press the **OK** button to remove or add the channel and press **DVB-MENU** to exit.

Channel Search options

Press ◀ / ▶ button to select the one of search type as manual scan or auto scan.

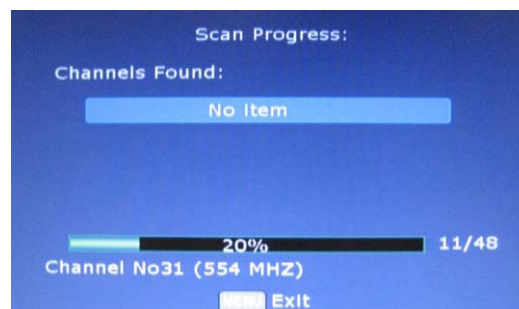


Manual Scan(see picture left)

when you select "Manual Scan", press ▲ / ▼ button to move to "Channel No", press ◀ / ▶ button or numeric button to select the channel No., press **OK** button to start Manual scan and press **DVB-MENU** button to exit it.

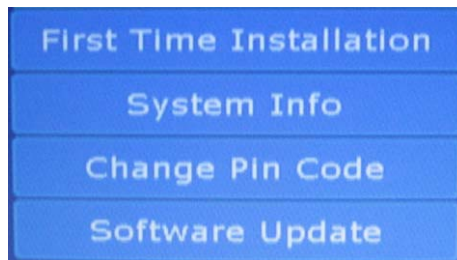
Auto Scan(see picture right)

when you select "Manual Scan", press **OK** button to start Manual scan and press **DVB-MENU** button to exit it.



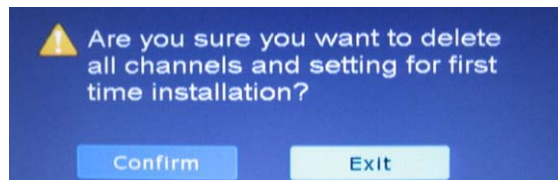
DVB operation

System setting options

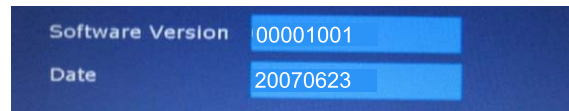


Press ▲/▼, button to select the option that you want to adjust and then use the **OK** button to confirm it.

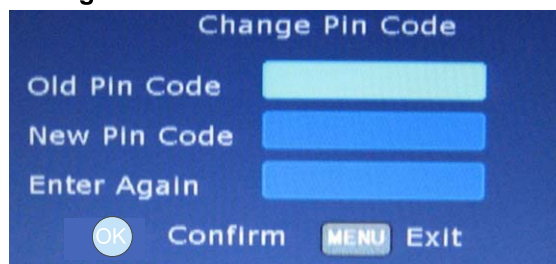
First Time Installation



System Information



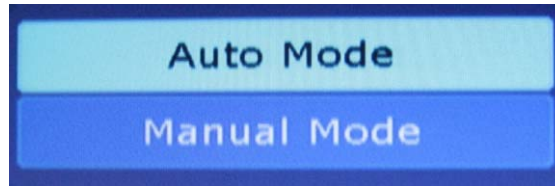
Change Pin Code



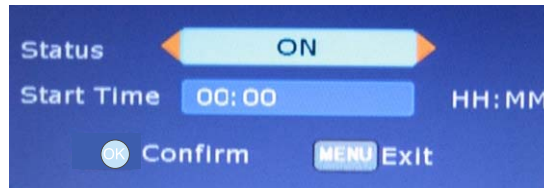
Press digital button on the remote control to enter the pin code.
Press the new pin code twice and the press **OK** button to confirm it.

DVB operation

Software Upgrade

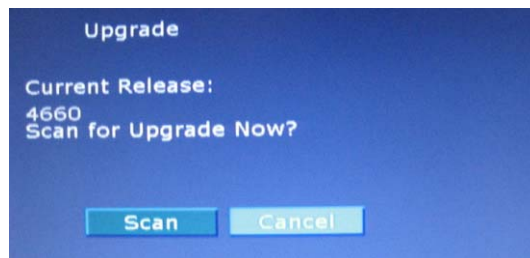


There have two upgrade type as auto mode and manual mode, you can press▲ /▼ to select one of it



Manual mode

Press ◀/▶ . to select one of the ON or OFF and then press **OK** to confirm it



use ◀/▶ to start scan or cancel it

EPG menu

Use EPG button on the remote control to display the EPG menu directly as below:



Simple Troubleshooting

If the display fails or the performance dramatically, check the display in accordance with the following instructions. Remember to check the peripherals to pinpoint the source of the failure. If the display still fails to perform as expected, contact the dealer for assistance.

SYMPTOM	DEALING METHOD
NO POWER	Check the power connection. Pull the plug out, wait for 60 seconds, then reconnect the power and open the set
NO PICTURE	Check the antenna connection. Try other TV channel due to the TV station problem. Modify the brightness or contrast setting.
NO SOUND	Increase the volume. Check that if the set is on the mute state or not. Check the voice setting condition. Check the voice mode setting condition.
ABNORMAL COLOR	Check the antenna connection
NO RESPONSE OF THE REMOTE CONTROL	Check the effect of the batteries, if needed, please replace the batteries or clean the remote sensor window. The distance between the set and the remote control should be less than 6 meters.
The SCREEN FLASH IN VGA MODE	The parameter is too big. Please use safety mode when restart the PC, and set the parameter of the monitor according to the instruction.
SOME INTERFERE IN THE VGA MODE	Please modify parameter of the monitor according to the instruction.
CLEAN THE TV SET	Please pull the plug out when clean the LCD screen. Using soft, clean cloth to wipe it off. If need to clean further, please use dry cloth, don't use naphtha or other thinner liquid.
COLOR SPOT	For this product using high definition LCD panel, and this panel having it is special character, there exist some color spots, so it normal when the user find few color spots it not a quality problem. The standard to inspect this panel are all the same which is out of the scope to replace the product.

Technical Specification

Display	Screen size	32 inch
	Ratio	16:9
	Definition	1366(RGB)x768
	Brightness(cd/m ²)	500
	Contrast	1200:1
	Color	16.7million
TV	Blue Screen	yes
	Frequency modulation	yes
	Timer turn off or turn on	yes
Input	AV	yes
	S-Video	yes
	Double SCART	yes
	VGA	Support to 1024x768 60Hz
	YPbPr	Support to 720p, 1080i
	Double HDMI	Support to 720p, 1080i
	Power	AC 100-240V 50/60Hz
	Power Consumption	180W

Note:

The specification shown above may be changed without notice for quality improvement.