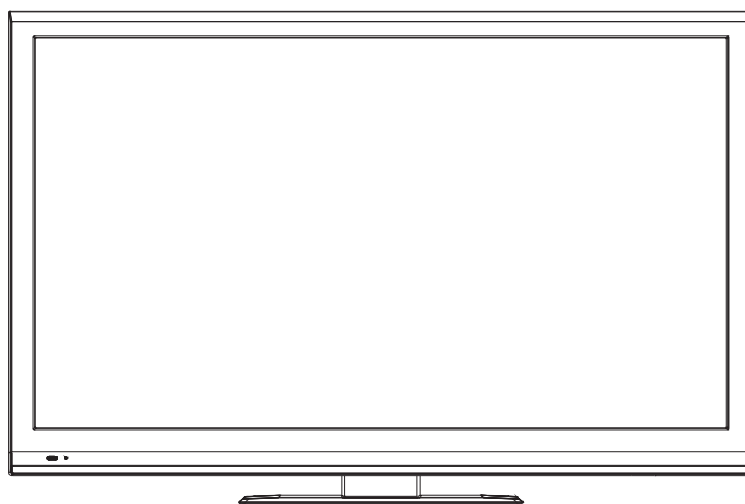# SANYO

INSTRUCTION MANUAL

LED-46XR113D

LED-LCD TV
with 3D Function

Before connecting, operating or adjusting this product, please read the manual completely.
Please keep this manual for future reference.

Contents

IMPORTANT INFORMATION

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television.

- Only using furniture that can safely support the television.

- Ensuring the television is not overhanging the edge of the supporting furniture.

- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.

- Not standing the televisions on cloth or other materials placed between the television and supporting furniture.

- Educating children about the dangers of climbing on furniture to reach the television or its controls.

Warning :

To prevent the spread of fire, keep candles or other open flames away from this product at all times.

Important Safety Precautions

Electrical energy can perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. But IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARD. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your TV product, please read the following precautions carefully before using the product.

1. Read these instructions---All operating instructions must be read and understood before the product is operated.

2. Keep these instructions---These safety and operating instructions must be kept in a safe place for future reference.

3. Heed all warnings---All warnings on the product and in the instructions must be observed closely.

4. Follow all instructions---All operating instructions must be followed.

5.Attachments---Only use attachments/accessories specified by the manufacturer. Do not use attachments not recommended by the manufacturer. Use of improper attachments can result in accidents.

6. Power source---This product is intended to be supplied by a listed power supply indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system.

7.Power cord protection---Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

NOTE: where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

8.Overloading---Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.

9.Entering of objects and liquids---Never insert an object into the product through vents or openings. High voltages are present in the product, and inserting an object can cause electric shock and/or short internal parts. For the same reason, do not spill water or liquid on the product.

10. Servicing---Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

11.Damage requiring service---If any of the following conditions occurs, unplug the power cord from the AC outlet, and request a qualified service person to perform repairs.

a. When the power cord or plug is damaged.

b. When a liquid is spilled on the product or when objects have fallen into the product.

c. When the product has been exposed to rain or water.

d. When the product does not operate properly as described in the operating instructions.

Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.

e. If the product has been dropped or the cabinet has been damaged in any way.

f. When the product displays an abnormal condition or exhibits a distinct change in performance. Any noticeable abnormality in the product indicates that the product needs servicing.

12. Replacement parts---In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.

13. Safety checks---Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.

14. Wall or ceiling mounting---When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer. This is a safety feature.

Important Safety Precautions (Continued)
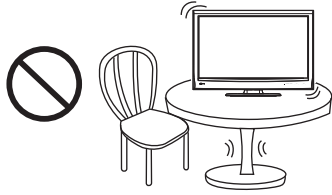
15. Stand---Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. Do not place the product on an unstable trolley, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.
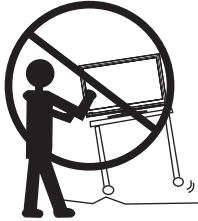
16.Careful move---When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. Sudden stops, excessive force and uneven floor surfaces can cause the product to fall from the trolley.

Never attempt to move the TV unless the AC power cord has been disconnected.
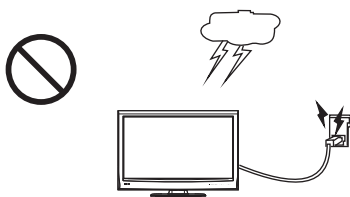
17. Lightning---Unplug this apparatus during lightning storms or when unused for long periods of time.

For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the equipment due to lightning and power-line surges.

18. Do not use this apparatus near water---for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
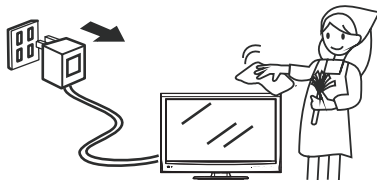
Do not use immediately after moving from a low temperature to high temperature environment, as this causes condensation, which may result in fire, electric shock, or other hazards.

19. Clean only with dry cloth---Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
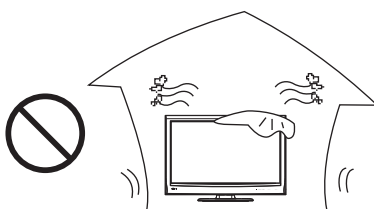
20. Ventilation---Do not block any ventilation openings. Install in accordance with the manufacturer instructions. The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
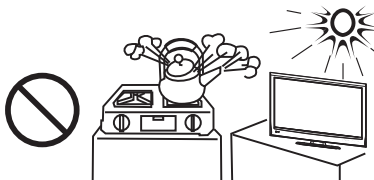
21.Heat sources---Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
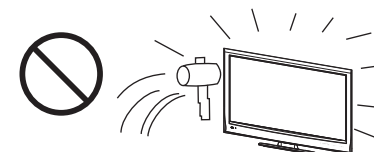
22.Panel protection---The display panel used in this product is made of glass. Therefore, it can break when the product is dropped or impacted upon by other objects. Be careful not to be injured by broken glass pieces in case the display panel breaks.

23.Pixel defect---The display panel is a very high technology product, giving you finely detailed pictures. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product.

WARNING: For continued safety, apparatus with class I construction shall be connected to a mains socket outlet with a protective earthing connection.

Important Notice

About Temperature

Do not use in hot and cold rooms (locations)
- When the unit is used in rooms (locations) with low temperature, the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the screen to malfunction.
- Storage temperature: 0°C to 50°C
- Working temperature: 5°C to 40°C

About After-Image

The extended use of fixed image programme material can cause a permanent after-image on the screen.

This background image is viewable on normal programs in the form of a stationary fixed image. This type of irreversible screen deterioration can be limited by observing the following steps:

A. Reduce the brightness/contrast setting to a minimum viewing level.

B. Do not display the fixed image for extended periods of time.

C. Turn the power off when not in actual use.

Important Information Regarding Use of Video Games, Computers, Captions or Other Fixed Image Displays.
- Do not allow a still picture to be displayed for an extended period, as this can cause a permanent after-image to remain on the screen.

  Examples of still pictures include logos, video games, computer images, teletext and images displayed in 4:3 mode.

CAUTIONS:
- The permanent after-image on the screen resulting from fixed image use is not an operating defect and as such is not covered by the warranty.
- This product is not designed to display fixed images for extended periods of time.

Cleaning and Maintenance

**To clean this unit, wipe with a soft, dry cloth.**
If the surfaces are extremely dirty, use a soft cloth dipped in a soap and water solution or a weak detergent solution.
- Use eyeglass cleaner to remove stubborn dirt from the screen.
- Never use alcohol, paint thinner or benzine to clean this unit.
- Before using a chemically treated cloth, read the instructions that came with the cloth carefully.

Identification of Controls

Main Unit (front/bottom view)
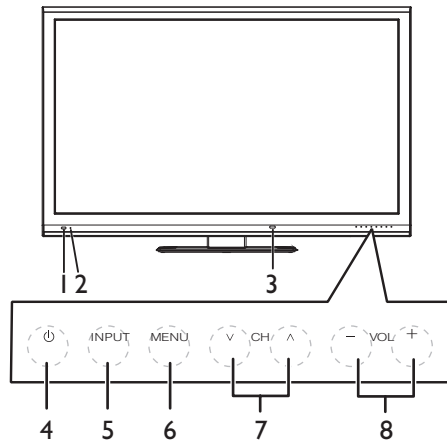
Note: *Buttons on the TV control panel (CH ∧ / ∨ , VOL+/-, MENU, INPUT, POWER) are **touch** buttons. First touch of the button will illuminate it. Second touch will fulfill its function.* ***Be sure button presses must be quickly done before the illumination disappears.***
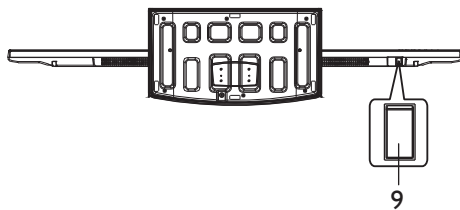
1. Remote sensor

Receives signals from the remote control. Do not block.

2. Power indicator

Lights blue when in operating mode.

Lights red when in standby mode.

3. 3D emitter

Transmits 3D SYNC signals (infrared).

Note: If there is any obstacle between the emitter and 3D Glasses, the proper 3D effect may not be obtained.

4. POWER

Press this button to turn the unit ON from STANDBY mode. Press it again to turn the set back to STANDBY.

5. INPUT

To access **Input Source** menu

6. MENU

Press this button to access the main menu screen.

7. CH ∧ / ∨

Press these two buttons to directly change the TV channel;

In menu operations, these buttons serve as up/down buttons.

8. VOL+/–

Press the **VOL+** or **VOL–** button to directly increase or decrease the sound volume level;

In menu operations, these buttons serve as right/left buttons.

9. Power Switch

Main Unit (back view)
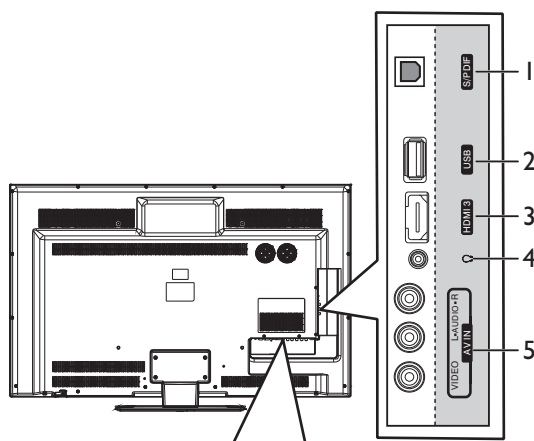
1. S/PDIF digital audio output: Connect a digital sound system to this jack.

2. USB port: Connect a USB device to this port.

3. HDMI3: Connect an HDMI device to this jack.

4. Headphone: Connect headphones to this jack.

5. AV INPUT: Connect an AV device to these jacks.

6. RS-232: For service only. Do not use.

7. HDMI1 (with ARC): Connect an HDMI device to this jack.

8. HDMI2: Connect an HDMI device to this jack.

9. MUSIC: Connect a MP3 player to this jack.

10. PC IN D-SUB/AUDIO: Connect a computer to these jacks.

11. COMPONENT IN: Connect a component video device to these jacks.

12. RF: Connect an antenna to this jack.

Remote control unit

1 2 3 4 5 6 7 8 9 10 11 12 13

TV/RADIO INPUT — 14, 15

P.MODE S.MODE STEREO FREEZE — 16, 17

FAV.LIST FAV- FAV+ SLEEP — 18

MENU OK EXIT — 19

EPG LIST — 20

1 2 3
4 5 6
7 8 9
ZOOM 0 RECALL — 21

INFO — 22

CH VOL + — 23

MUTE — 24

TTX Subtitle Hold Reveal
Size Index Mix Update

25

1. POWER: Switches the TV power on or Standby.

2. S.MODE: Selects sound mode.

3. P.MODE: Selects picture mode.

4. FAV.LIST: Displays the favorite channel list.

5. FAV+/ FAV–: Selects the favorite channel.

6. MENU: Displays the main menu screen.

7. ▲ / ▼ / ◀ / ▶ /**OK**: Press the arrows to navigate through the menus or adjust an item. Press **OK** to confirm a selection or enter a sub-menu.

8. EPG: Displays the Electronic programme Guide (DTV only).

9. 0 – 9 number buttons: Press to enter channel numbers or input password.

10. ZOOM: Selects the screen size.

11. CH ⌃ / ⌄ : Changes channel up and down.

12.Coloured buttons (RED/GREEN/YELLOW/BLUE): Direct access to the coloured items or corresponding pages. (Teletext)

13. Teletext control buttons

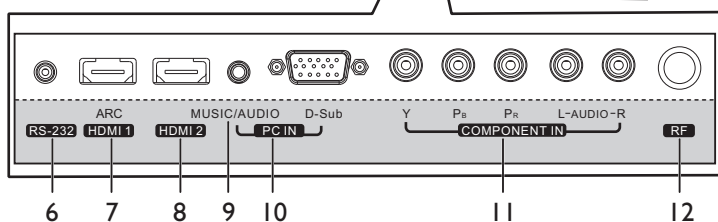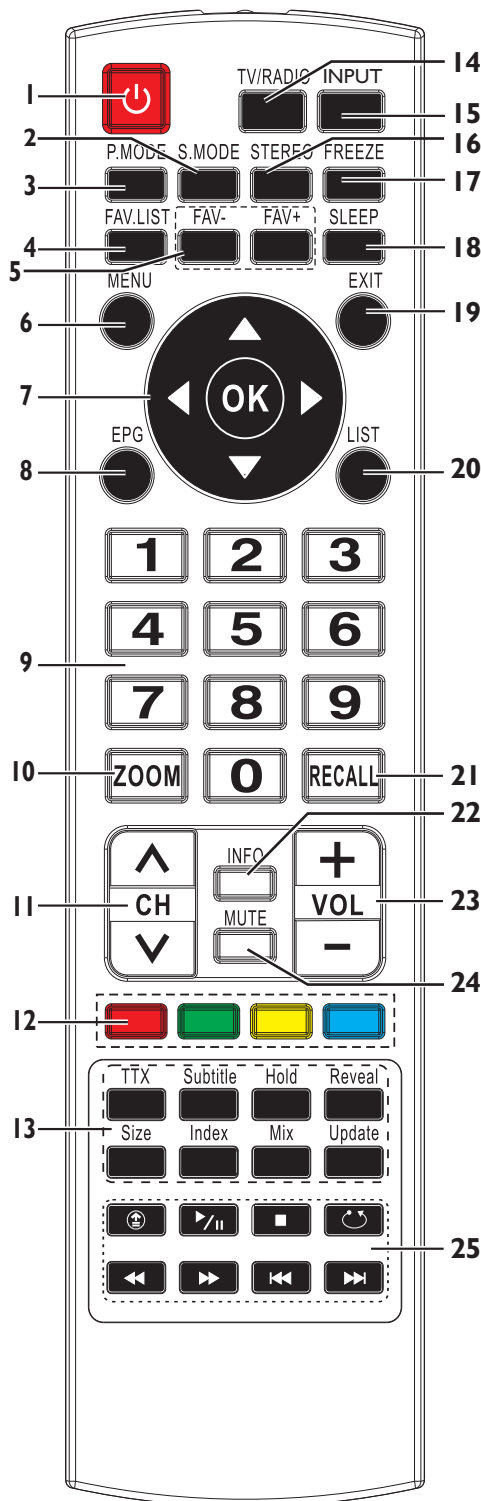**. TTX:** Used to enter or exit teletext mode. (Teletext)

. Subtitle: Displays the subtitle; or the teletext subpage (Teletext)

. Hold: To stop or resume sub-page acquisition. (Teletext)

. Reveal: To reveal or hide the concealed information. (Teletext)

. Size: Press this button several times to display the upper, then the lower part of the screen and then return to the normal size teletext page. (Teletext)

. Index: Press this button to view the main index page. (Teletext)

. Mix: Press the button to display the Teletext on the screen with transparent background while viewing the TV programme simultaneously. (Teletext)

. Update: Press the button to view the updated teletext page. (Teletext)

14. TV/Radio: Switches between TV and Radio mode. (DTV only)

15. INPUT: Displays input source menu.

16. STEREO: Selects bilingual, stereo or mono (ATV only), or audio track(DTV only).

17. FREEZE: To freeze current picture.

18. SLEEP: Sets the sleep timer.

19. EXIT: Exits the menu screen.

20. LIST: Displays the channel list.

21. RECALL: Returns to the previous channel.

22. INFO: Displays the information banner.

23. VOL+/–: Increases or decreases the volume.

24. MUTE: Mutes the sound.

25. Control buttons when using USB Multi Media Player

⏏ **: Go back** button

▶/❚❚ **: Play/Pause** button

■ **: STOP** button

↻ **: Repeat mode** select

▶▶/◀◀ **: Fast forward/fast reverse**

|◀◀/▶▶| **: Previous/next**

8

Setting Up

Selecting a location

You should select a **location** for the TV:
- Where direct light does not reflect on the screen.
- That has indirect and soft lighting.
- Where the TV has access to an antenna or cable TV connection.
- Where the TV has access to a power outlet.

Note: Watching TV in total darkness or with a reflection on the screen may cause eyestrain.

Installing remote control Batteries
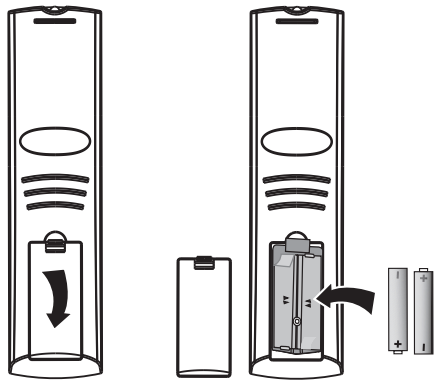
To install remote control batteries:

1 Open the battery cover.

2 Insert two AAA batteries into the battery compartment. Make sure that the + and – symbols on the batteries match the + and – symbols in the battery compartment.

3 Replace the cover.

Battery precautions:

Improper use of batteries can result in a leakage of chemicals and/or explosion. Be sure to follow the instructions below.

- Place batteries with their terminals corresponding to the (+) and (–) indications.

- Different types of batteries have different characteristics. Do not mix batteries of different types.

- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries and/or cause old batteries to leak chemicals.

- Remove batteries as soon as they are non-operable. Chemicals that leak from batteries can cause a rash. If chemical leakage is found, wipe with a cloth.

- Dispose of batteries in a proper manner.

- If the remote control is not used for an extended period of time, remove the batteries.

- The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Aiming the remote control
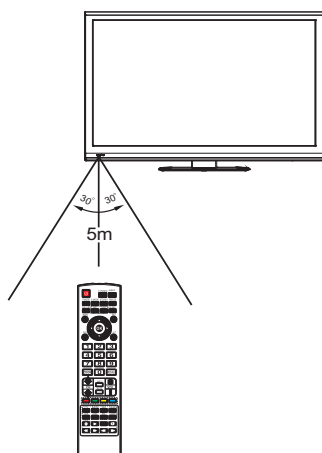
Use the remote control by pointing it towards the remote sensor on the front of your TV. Objects between the remote control and the remote sensor may prevent proper operation.

Cautions regarding use of remote control

- Do not expose the remote control to shock. In addition, do not expose the remote control to liquids, and do not place in an area with high humidity.
- Do not install or place the remote control under direct sunlight. The heat may cause deformation of the unit.
- The remote control may not work properly if the remote sensor window of the main unit is under direct sunlight or strong lighting. In such a case, change the angle of the lighting or the TV set, or operate the remote control closer to the remote sensor window.

5m

Connections

Cautions Before Connecting

● When connecting an external device to the TV, make sure that the TV and the device are turned off.

● Check the plugs on the ends of cables to make sure that they are the correct type before you try plugging them into jacks on the TV.

● Make sure that all plugs are securely inserted into the jacks. Loose connections can result in image or color problems.

● The illustration of the external device may be different depending on your model.

● Refer to the operating manual of the external device as well.

Antenna Connection

TV REAR

75-ohm coaxial cable
(round cable)
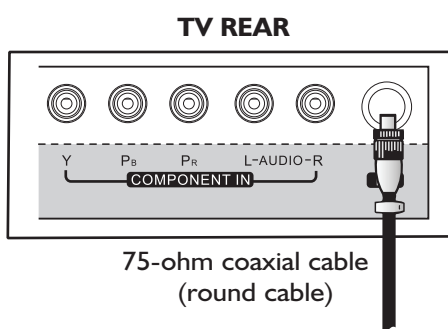
●Connect one end of your antenna cable to the **RF** jack on the back of the TV, then connect the other end of the cable to the antenna wall jack.

Note:

● *It is recommended that the 75-ohm coaxial cable be used to eliminate interference and noise which may occur due to radio wave conditions.*

● *The antenna cable should not be bundled with the power cord and the like.*

● *If the antenna is not installed properly, contact your dealer for assistance.*

Power Connection
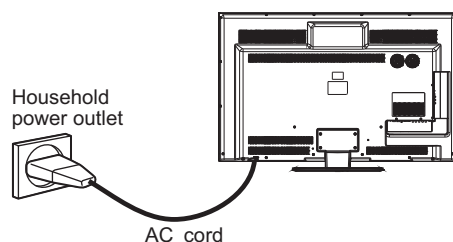
Connect the power cable from the back of the TV to a power outlet.

Household power outlet

AC cord

Note:

● *This product should be operated only from the type of power source indicated on the marking label.*

● *Always unplug the AC cord from power outlet when not using for a long period of time.*

● *This illustration is for reference only. The AC plug may be different on different models.*

Connecting a USB device

To USB port

TV Side
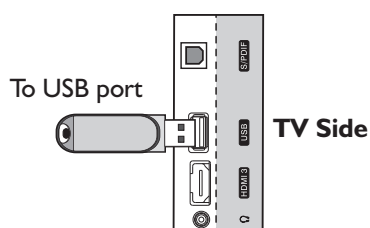
Insert your USB device into the USB port. **For the USB device with greater length which can not be directly inserted into the USB port, please use a USB cable for connection.**

To play from the USB device:

1. Turn on your TV, then press **INPUT** button. The **Input Source** menu opens.
2. Press ▲ or ▼ to select **USB**, then press **OK** to confirm.

Never remove the USB device or turn off the TV while using the USB device.

Connecting Headphones

Headphones

TV Side
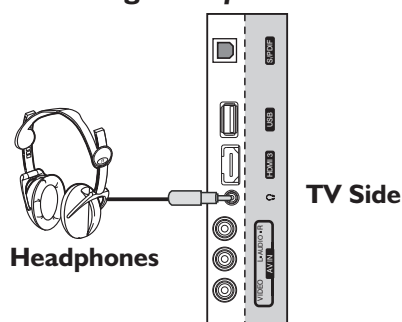
To connect headphones:

Insert the plug of the headphone into the TV's Headphone jack.
When using headphones, adjust the headphone volume so as to avoid excessive levels, as hearing damage may result.

Connections(Continued)

Connecting a MP3 player

MP3 player

TV Rear

ARC   MUSIC/AUDIO   D-Sub
RS-232 HDMI 1   HDMI 2   PC IN
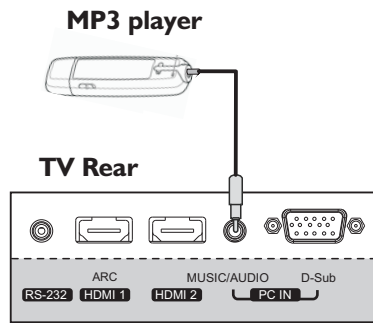
Insert MP3 player headphone plug into the **MUSIC** jack on the back of the TV. Be sure to insert fully, otherwise it may not sound right.

To listen to music from MP3 player through TV

1. Turn on your TV, then press **INPUT** button. The **Input Source** menu opens**.**
2. Press ▲ or ▼ to select **Music**, then press **OK** to confirm.
3. Turn on your MP3 player and begin playing music. Refer to the instructions that came with the MP3 player.

Connecting an HDMI device

HDMI OUT

HDMI device

HDMI cable

TV REAR

ARC   MUSIC/AUDIO   D-Sub
RS-232 HDMI 1   HDMI 2   PC IN
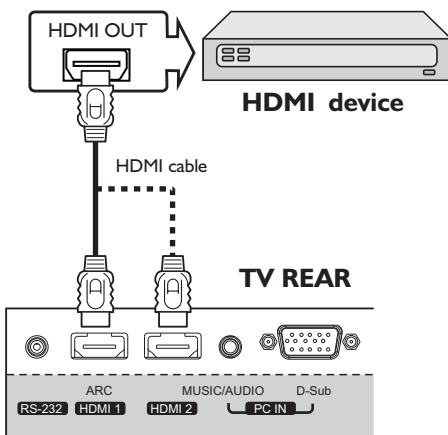
How to connect an HDMI device:
Connect the HDMI cable between the HDMI jack on the TV (HDMI1/HDMI2 at TV rear, HDMI3 at TV side) and HDMI output jack on the device.

Note: If your device has an HDMI connection, we recommend you use that to get the best quality possible.

To play from the HDMI device:

1. Turn on your TV, then press **INPUT** button. The **Input Source** menu opens.
2. Press ▲ or ▼ to select **HDMI1** or **HDMI2** or **HDMI3** correspondingly, then press **OK** to confirm.
3. Turn on the HDMI device and set it to the correct mode. Refer to the instructions that came with the HDMI device.

Note: If the external device has DVI output only, use a DVI to HDMI adapter cable to connect to the HDMI jack. Connect the audio cable to the PC IN AUDIO jack on the TV rear.

11

Connecting a component video device

Y   P_B   P_R   L-AUDIO-R

Component video device

Component video cable   Audio cable

Component cables often have red, green, and blue color-coded video connectors and red and white audio connectors. Match the colors when making connections.

Y   P_B   P_R   L-AUDIO-R
COMPONENT IN   RF   **TV REAR**
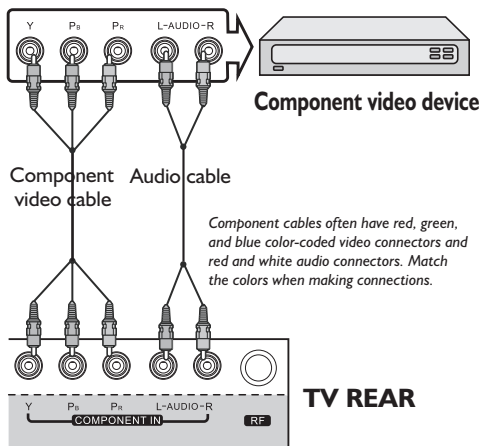
To connect a component video device:
Connect the Component Video cable between the Y, Pb, Pr input jacks on the TV and Y, Pb, Pr output jacks on the device .
Connect the Audio cable between the AUDIO input jacks on the TV and AUDIO output jacks on the device.

To play from the component video device:

1. Turn on your TV, then press **INPUT** button. The **Input Source** menu opens.
2. Press ▲ or ▼ to select **Component**, then press **OK** to confirm.
3. Turn on your external device and set it to the correct mode. See the device's user guide for more information.

Connecting an AV device

Camcorder

TV Side

or

AV cable

Cables are often color-coded to connectors. Connect yellow to yellow, red to red, white to white.
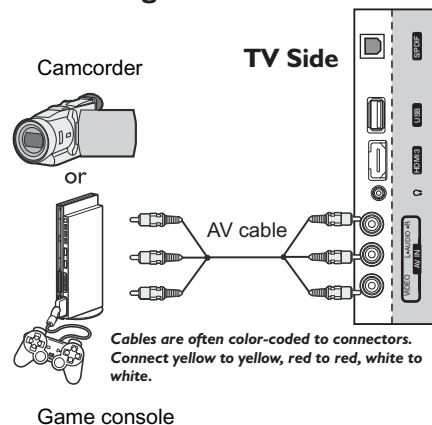
Game console

To connect an AV device:
Connect the Audio/Video cables between the Audio (L/R)/Video jacks on the TV and the AV device.

Note: If your game console has an HDMI connection, you will get better quality using the HDMI connection instead of the AV connection.

To playback the AV device:

1. Turn on your TV, then press **INPUT** button. The **Input Source** menu opens.
2. Press ▲ or ▼ to select **AV**, then press **OK** to confirm.
3. Turn on the AV device, then follow the instructions that came with the device to play from it.

Connections(Continued)

Connecting a computer

PC

AUDIO cable

D-SUB cable

TV REAR

ARC   MUSIC/AUDIO   D-Sub
RS-232   HDMI 1   HDMI 2   PC IN
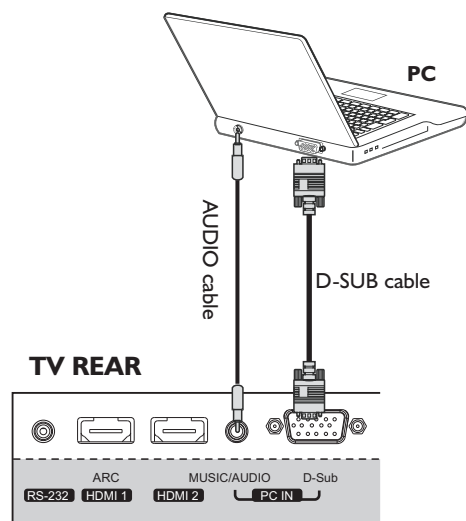
To connect a computer:

Connect a D-SUB cable between the D-Sub jack on the computer and the D-Sub input jack on the unit.

Connect an Audio cable between the AUDIO output on the computer and AUDIO input jack on the unit.

To play video from the computer:

1. Turn on your TV, then press **INPUT** button. The **Input Source** menu opens.

2. Press ▲ or ▼ to select **D-SUB**, then press **OK** to confirm.

3. Turn on your computer, and adjust the display properties as required.

Note: The MUSIC and PC IN share the same audio jack. So when you want to connect PC, please disconnect your MP3 player, and vice versa.

Connecting a digital sound system

Digital optical cable

S/PDIF

USB

TV Side

HDMI

Digital sound system

Or

S/PDIF IN (optical)
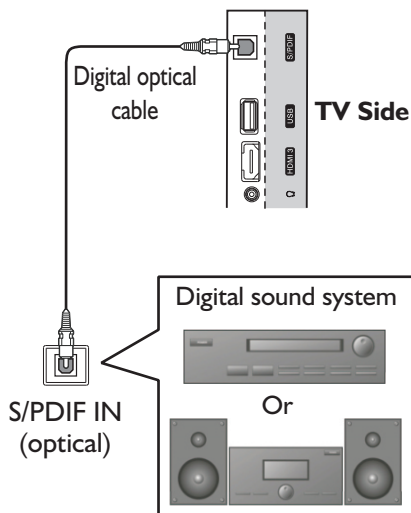
For a full Home Theater sound experience, you must connect your digital sound system to the S/PDIF OUT(optical) jack on the TV.

To connect a home theater system using a digital audio cable:

Connect one end of a digital audio cable to the **S/PDIF** jack on the TV.

Connect the other end of the digital audio cable to the **S/PDIF** jack on the digital audio system.

Connecting a home theater system with multiple devices

Blu-ray player/DVD player/VCR

Cable or satellite TV box

AV receiver

Game console or camera

USB flash drive

Computer

Antenna or cable TV connected directly to the wall jack
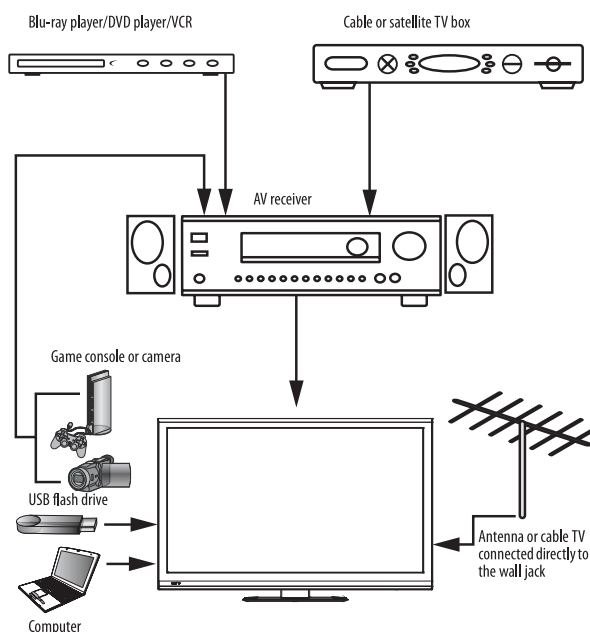
Notes:

We recommend that you connect the AV receiver's **HDMI OUT** jack to your TV's **HDMI1 IN (ARC)** jack.

In the following situations, the HDMI cable will route audio to the AV receiver, so you do not need to connect a separate digital audio cable:

• Have a game console connected to one of your TV's **HDMI IN** jacks.

• When you watch a program through an antenna or cable TV connected to the **ANT IN** jack.

The connections you make depend on the video and audio jacks available on your devices. Refer to the documentation that came with your devices for connection information.

Just remember to use the best connection types available for the best picture and sound.

First Time Configuration/Basic Operations

Turning on your TV for the first time

Energy Save Mode

To use this TV for displaying in a store, please select [Store/Dynamic]. [Standard/Energy Save] mode is recommended for normal home use.

Standard/Energy Save	Store/Dynamic

◁▷ Select   OK OK

Installation Guide

OSD Language   ◄   English   ►
Country Selection ◄   Australia   ►
Channel Tuning   ►

◁▷ Select   ◁▷ Move   Exit EXIT

Channel Tuning

ATV   :   2 Programme(s)

DTV   :   0 Programme(s)

Radio   :   0 Programme(s)

2 %...   76.25 MHz   (ATV)
■■■■■■■■■■■■■■■■■■

EXIT Exit   MENU Skip

The first time you use the TV, you need to configure your TV:

To configure your TV:

1 Make sure that you have inserted the batteries in the remote control, have connected your antenna to the TV, and have connected the AC power.

2 Press the **Power Switch** on the TV.

3 Press **POWER** ⏻ to turn on the TV. After a few seconds the **Energy Save Mode** screen opens.

4 Press ◄ or ► to select **Standard/Energy Save** or **Store/Dynamic**, press **OK** to confirm. (For normal home use, please select **Standard/Energy Save**.)

5 Now the **Installation Guide** screen appears with **Country Selection** highlighted. Press ◄ or ► to select **Australia** or **New Zealand**.

6 Press ▼ or ▲ to highlight **Channel Tuning**, then press **OK** to begin the auto tuning for all available ATV/DTV channels. It may take several minutes, please wait until it is finished.

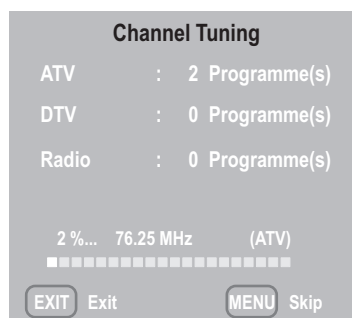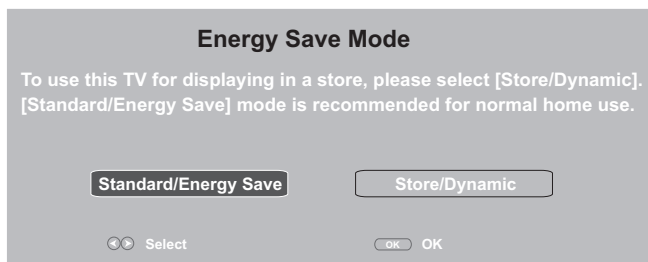During searching, the screen will display a report about found stations.

When complete, it will go to digital programme position one. Now channel list has been created and you can start to watch TV.

13

Turning the TV on or off

To turn the TV on or off:
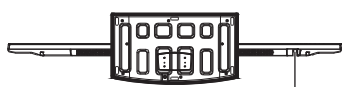
Power Switch

1 Plug the power cord into an AC power outlet. Press **Power Switch** on the TV.

2 If no picture appears while the indicator lights up, the set is in standby mode.

Press **POWER** ⏻ to turn on the TV.
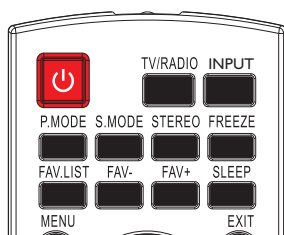
3 Press ⏻ button again to turn off the TV and put the TV in standby mode.

To cut off the power completely, press **Power Switch** on the TV.

*Warning: When the TV is in standby mode, power is still flowing into the TV. For the sake of energy saving and safety issue, please press **Power Switch** to completely cut off the power. After you turn off the TV, you should wait at least 5 seconds (the power indicator goes out)before you turn it on again.*

Note: If the TV does not receive a broadcast signal for several minutes, the TV goes into standby mode.

TV/RADIO INPUT
P.MODE S.MODE STEREO FREEZE
FAV.LIST FAV- FAV+ SLEEP
MENU   EXIT

Selecting the input source

Input Source
DTV
ATV
AV
Component
D-SUB
HDMI1
HDMI2
HDMI3
USB
Music
⊙⊙ Move ⊙⊙ Select
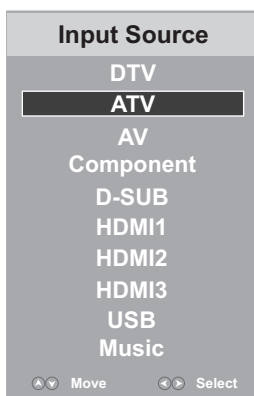
To select the input source:

1 Press **INPUT** button. The **Input Source** list appears.

2 Press ▼ or ▲ to select the input source, then press **OK** or ▶ to confirm your choice. The TV switches to the selected source.

Programme Selection

Channel List
DTV **2 ABC TV Sydney**
DTV 20 ABC HDTV
DTV 21 ABC2
DTV 22 ABC TV
DTV 350 CH1
DTV 351 CH2
DTV 352 CH3
DTV 353 CH4
DTV 354 CH5
DTV 355 CH6
⊙⊙ Move OK Select

Favourite List
♥ DTV **2 ABC TV Sydney**
♥ DTV 22 ABC TV
♥ DTV 350 CH1
♥ DTV 353 CH4
♥ TV 1 S-03
♥ TV 2 C-42
♥ TV 4 C-04
⊙⊙ Move OK Select

☐ Digital programme selection

After you have tuned the TV, you have several ways to select DTV programmes.

Be sure to select **DTV** through the **Input Source** menu (See the above steps for source selection).

When watching digital programme and you want to listen to radio, simply press **TV/RADIO** button to switch. To return to TV program, press **TV/RADIO** button again. (When watching analogue programme, the **TV/RADIO** button does not work.)

- Press **CH ⌃** or **CH ⌄** to go to the next or previous channel. The skipped channels can not be selected.
- Press the **number** buttons to directly select any channel you want, then wait for the channel to change.

  Note: Button presses must be within three seconds of each other.

- Press **LIST** to display the **Channel List**, then press ▼ or ▲ to select a channel, and then press **OK**.
- After you have created the favorite channel list, you can press **FAV.LIST** button to display the favorite channel list. Use ▲ or ▼ to select a channel and then press **OK**. Or you can directly press **FAV+**/ **FAV−** button to cycle among the favorite channels.
- To go to the previous channel viewed, press **RECALL**.

☐ Analogue programme selection

Be sure to select **ATV** through the **Input Source** menu (See the above steps for source selection).

- Press **CH ⌃** or **CH ⌄** to go to the next or previous channel. The skipped channels can not be selected.
- Press the **number** buttons to directly select any channel you want, then wait for the channel to change.

Note: Button presses must be within three seconds of each other.

- Press **LIST** to display the **Channel List**, then press ▼ or ▲ to select a channel, and then press **OK**.
- After you have created the favorite channel list, you can press **FAV.LIST** button to display the favorite channel list. Use ▲ or ▼ to select a channel and then press **OK**. Or you can directly press **FAV+**/ **FAV−** button to cycle among the favorite channels.
- To go to the previous channel viewed, press **RECALL**.
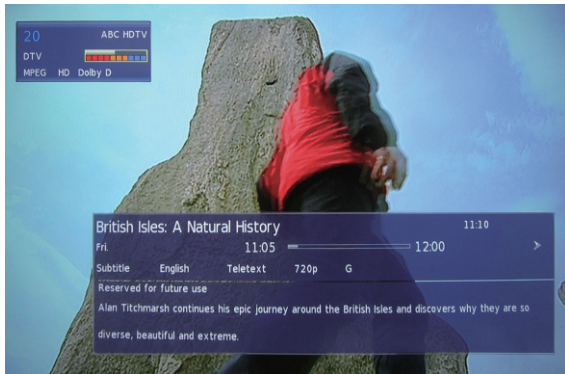
Adjusting the volume

To adjust the volume:

- Press the **VOL +/−** to increase or decrease the volume.
- Press the **MUTE** button to temporarily turn off the sound. To restore the sound, press the **MUTE** button again.

Basic Operations (Continued)

Displaying the Information Banner

Note:

- *The above OSD is only served as an example, and it is in DTV mode.*
- *Information banner content varies, depending on the broadcaster and your settings.*

Press the **INFO** button to display the information banner. The information banner displays current status information such as the channel number and signal source.

Depending on the mode, different information is displayed. In DTV mode, more information will be displayed. Left figure is an example banner in DTV mode.

In DTV mode, the information banner may contain:

- Current channel number and name.
- Current time.
- Current programme name, start and end play times.
- Next programme name and start and end play times.
- TV or Radio.
- Audio mode, audio track.
- Signal strength for current channel.
- Signal resolution.
- Subtitle/teletext availability.
- Video format of the current programme (SD/HD).
- Parental rating

Using the EPG (Electronic Programme Guide)   – digital only –

The Electronic Programme Guide (EPG) makes it possible for users to see details about the programme they are watching, other programmes and even a schedule of the next 7 days (if available). The information available includes the number and name of the channel, the name of programme, the start and end time, and a summary. Thus viewers can easily get information about future programmes.

Below two EPG windows are taken as examples for operating instruction, one is for Australia, the other is for New Zealand.

For Australia

To use EPG

1 Press the **EPG** button to open the EPG. In the EPG window (as shown on the left), current channels' now and upcoming program's information will be displayed.

2 At upper screen, the **channel number/name** is shown, you can use ◄ or ► to select a channel whose information you want to know. At the lower screen, this selected channel's now and future programme events are listed. Use ▲ or ▼ to navigate among the programme events, and press **INFO** button to get more detailed information (if available) about the programme you choose, and press |◄◄ / ►►| to scroll Information screen if there are more than one page.

3 To return, press **MENU**. To close the EPG, press **EXIT** or **EPG** button.

For New Zealand

To use EPG

1 Press the **EPG** button to open the EPG (Electronic program Guide). In the EPG window (as shown on the left), current channel's now and upcoming program's information will be displayed.

2 From the window you can press ▲ or ▼ to select program events, press ◄ or ► to select channels.
You can also make use of **YELLOW** and **BLUE** button for quick navigation through the program events.
In EPG window, press **EPG** button once, the information will be shown in time sequence. Press again, the information will be shown by program No.

3 Press **OK** to go to the channel you have selected. To close the window, press **EXIT**.

Note:
The availability of EPG information depends upon the broadcaster.
For Australia area, to enable EPG to work properly, it is suggested to set the appropriate time zone.
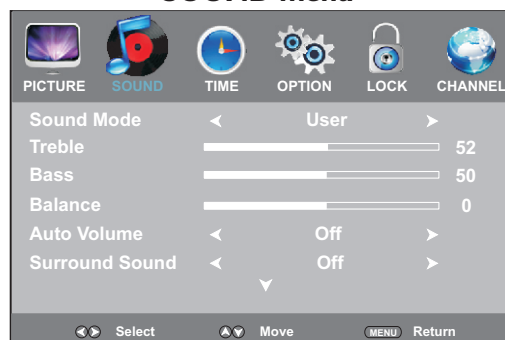
On-screen menu overview

PICTURE menu

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Picture Mode	◄ User ►	
Contrast		75
Brightness		45
Colour		50
Sharpness		50
Tint		50
▼		

Select   Move   MENU Return

SOUND menu

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Sound Mode	◄ User ►	
Treble		52
Bass		50
Balance		0
Auto Volume	◄ Off ►	
Surround Sound	◄ Off ►	
▼		

Select   Move   MENU Return

TIME menu

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Clock	01/Jan /2011 15:30
Off Time	Off ►
On Time	Off ►
Sleep Timer	◄ Off ►
Auto Sleep	◄ Off ►
Time Zone	◄ NSW/ACT GMT+10 ►

Select   Move   MENU Return

OPTION menu

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

OSD Language	◄ English ►
Audio Languages	◄ English ►
Subtitle Language	◄ English ►
Hearing Impaired	◄ Off ►
S/PDIF Output	◄ Auto ►
Audio Preference	◄ Dolby Digital ►
▼	

Select   Move   MENU Return

LOCK menu

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Lock System	◄ Off ►
Set Password	►
Block Programme	►
Parental Guidance	◄ No Block ►
Restore Factory Default	►
Allow Update	Off ►

Select   Move   MENU Return

CHANNEL menu

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Auto Tuning	►
DTV Manual Tuning	►
ATV Manual Tuning	►
Programme Edit	►

Select   Move   MENU Return

Note:

•*Depending on the signal tuned, you may see different menu options on your screen. The above main menus are illustrated under TV mode.*

•*Menu items that are not selectable are grayed out. If without special indication, this manual is described under TV mode.*

•*The illustrations and on-screen displays in this manual are for explanation purposes (some are enlarged, others cropped) and may vary slightly from the actual ones.*

Using the OSD menu
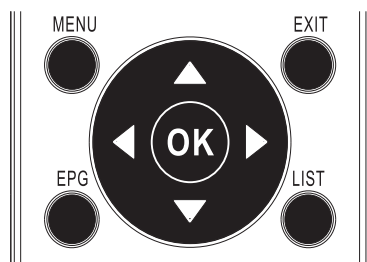
To operate the OSD (on-screen display)menu:

- Press **MENU** to call up the OSD main menu.
- – The screen will now display **PICTURE** menu**.**
- Press ◄ or ▶ one or more times to select menu, press ▼ to access.
- – **PICTURE, SOUND, TIME, OPTION, LOCK, CHANNEL** menu can be selected.
- From the menu, press ▲ ▼ ◄ ▶ to navigate or adjust. Press **OK** to confirm an entry or selection.
- To return to previous menu, press **MENU**.
- To close the menu, press **EXIT**.

Memorizing the Channels

Auto Tuning

PICTURE   SOUND   TIME   OPTION   LOCK   CHANNEL

Auto Tuning	➤
DTV Manual Tuning	➤
ATV Manual Tuning	➤
Programme Edit	➤

◄► Select   ▲▼ Move   MENU Return

Country selection ◄ Australia ➤

Start   Cancel
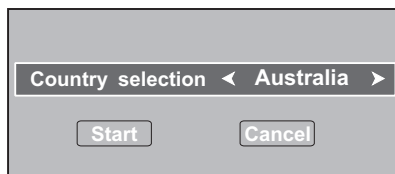
Auto Tuning will completely re-tune the TV and can be used to update the channel list.

It is recommended that **Auto Tuning** is run periodically to ensure that all new services are added. All current channels and settings, e.g. locked channels, will be lost.

Note:
As new services are broadcast, it will be necessary to retune the TV in order to view them.

1 Go to **Input Source** menu and select **ATV** or **DTV** first.

2 Press **MENU**. Press ◄ or ► to select **CHANNEL** menu, press ▼ to access.

3 Highlight **Auto Tuning** item, and press ► or **OK** to access.

4 Now a pop-up screen opens with **Country selection** highlighted. Press ◄ or ► to select your region: **Australia** or **New Zealand**. Then press ▼ to highlight **Start,** simply press **OK** to begin the auto tuning. (If you want to cancel, press ► to select **Cancel** and press **OK**.)

All ATV/DTV channels available in your area will be searched and stored into memory. Please wait until the searching is complete.

5 During the process, if you want to skip, press **MENU**. To exit searching, press **EXIT**.
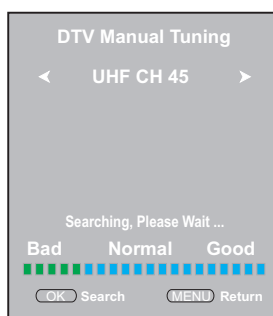
DTV manual tuning - digital only -

PICTURE   SOUND   TIME   OPTION   LOCK   CHANNEL

Auto Tuning	➤
DTV Manual Tuning	➤
ATV Manual Tuning	➤
Programme Edit	➤

◄► Select   ▲▼ Move   MENU Return

DTV Manual Tuning

◄   UHF CH 45   ➤

Searching, Please Wait ...
Bad   Normal   Good

OK Search   MENU Return

This feature is available for service engineers or can be used for direct channel entry if the multiplex channel is known.

1 In **CHANNEL** menu, press ▼ or ▲ to select **DTV Manual Tuning**, then press ► or **OK** to access.

2 Press ◄ or ► button to select your desired multiplex number. If the selected channel has no signal, "**NO SIGNAL**" will appear.

3 Press **OK** to begin the search for that multiplex.

At the bottom of the menu screen the **DTV Signal** strength bar is displayed. You can make use of it to check how strong your DTV signal is and whether you need to adjust your antenna. The higher the signal strength is, the less likely you are to experience picture degradation.

4 When the multiplex is found, any channels that are not currently in the channel list will be added and the channel information will be updated.
During the process, you can press **MENU** or **EXIT** to exit the search.

Memorizing the Channels & Programme Edit

ATV manual tuning - analogue only -
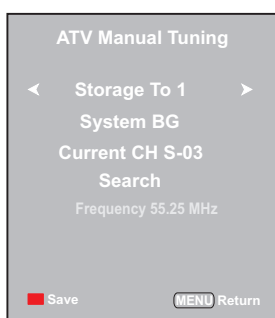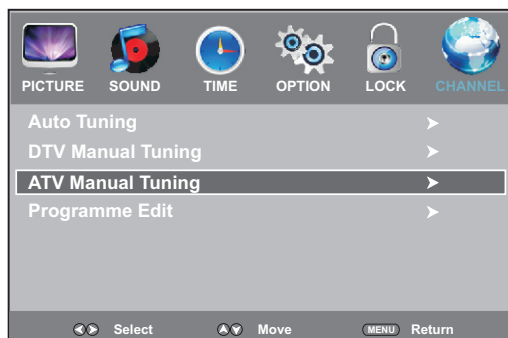
Use the Manual Tuning operation if desired channels can not be preset by Auto Tuning or if you would like to preset channels to specific position numbers one by one.

1 In **CHANNEL** menu, press ▼ or▲ to select **ATV Manual Tuning**, then press ▶ or **OK** to access the setting menu.

2 From **ATV Manual Tuning** setting menu, press ▼ or▲ to select an item, press ◀ or ▶ to set the item as shown below.

A. Storage To: Position selection. Press ◀ or ▶ button to select the position you want to store.

B. System: Sound system selection. If certain channel's sound is abnormal, it may be that the sound system setting is wrong. In this case, select another sound system.

C. Current CH: Selects current channel using ◀ or ▶ .

D. Search: Channel search operation.

Press ▶ to search up the band or ◀ to search down the band.

Press ◀ or ▶ repeatedly until your desired channel is displayed.

E. Frequency: Shows current frequency, it can not be adjusted.

(During the process, you can press **MENU** to exit the operation.)

3 Press **RED** button to save your settings.

Adding or changing a channel label
- analogue only -
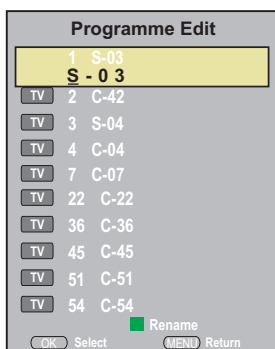
If a channel is not already labeled, you can label the channel to make it easier to identify. You can also relabel a channel that is already labeled.

1 Press **MENU**. Press ◀ or ▶ to select **CHANNEL** menu, press ▼ to access.

2 Press ▼ or▲ to select **Programme Edit**, press ▶ or **OK** to open the **Programme Edit** menu and a programme list is displayed.

3 Within the programme list, press ▼ or▲ to select a channel you want to label, press **GREEN** button to start to label. A cursor appears at the edit field.

4 Use ▼ or▲ to select a character, use ◀ or ▶ to move the cursor. When finished, press **OK** to confirm.
The maximum length of label is 5 characters.

5 Repeat the above steps to label more channels.

Note: The labels of DTV channels are automatically assigned and cannot be changed by user.

Programme Edit (Continued)

Setting up a favourite channel list

PICTURE · SOUND · TIME · OPTION · LOCK · CHANNEL

- Auto Tuning ➤
- DTV Manual Tuning ➤
- ATV Manual Tuning ➤
- **Programme Edit** ➤

◄► Select ▲▼ Move MENU Return

Programme Edit

DTV	2	ABC TV Sydney	
DTV	20	ABC HDTV	♡
DTV	21	ABC2	
DTV	22	ABC TV	
DTV	350	CH1	
DTV	351	CH2	
DTV	352	CH3	
DTV	353	CH4	
DTV	354	CH5	
DTV	355	CH6	

🟥 Delete   🟦 Skip

OK Select   FAV.LIST Favorite   MENU Return

You can create a favourite channel list so you can quickly browse through your favourite channels by pressing **FAV.LIST**, then selecting a channel from the favourite channel list.

1 Navigate to the **CHANNEL** menu, press ▲ or ▼ to select **Programme Edit**, press ▶ or **OK** to open the **Programme Edit** menu.

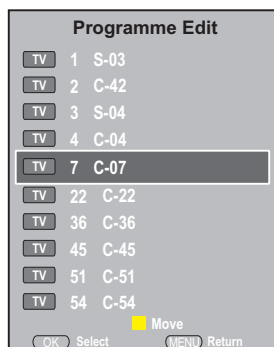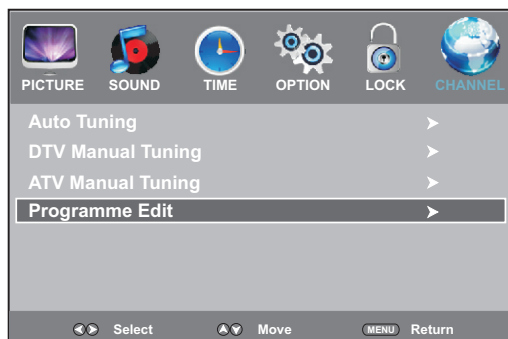2 Use ▼ or ▲ to select your favourite program, use **FAV.LIST** button to mark the selected programme as favourite (a favourite symbol appears). To cancel the favourite mark, just press **FAV.LIST** button again and the symbol disappears. If the programme list has more than one page, you can press ▼ or ▲ to scroll the page.

3 Repeat the above steps to set more favorite programs.

4 Press **EXIT** button to close the menu.

5 Now you can press **FAV.LIST** button to display the favorite list, press ▼ or ▲ to browse through the favorite programs and press **OK** to access the channel. Or you can directly use **FAV+/FAV-** to cycle among the favorite channels in the current source.

Reorder/rearrange channels
- analogue only -

PICTURE · SOUND · TIME · OPTION · LOCK · CHANNEL

- Auto Tuning ➤
- DTV Manual Tuning ➤
- ATV Manual Tuning ➤
- **Programme Edit** ➤

◄► Select ▲▼ Move MENU Return

Programme Edit

TV	1	S-03
TV	2	C-42
TV	3	S-04
TV	4	C-04
TV	7	C-07
TV	22	C-22
TV	36	C-36
TV	45	C-45
TV	51	C-51
TV	54	C-54

🟨 Move

OK Select   MENU Return

ATV channels can be arranged in your favourite order.

1 Navigate to the **CHANNEL** menu, press ▲ or ▼ to select **Programme Edit**, press ▶ or **OK** to open the **Programme Edit** menu.

2 Use ▼ or ▲ to select a channel you want to move.

3 Press **YELLOW** button and the highlight will be enlarged in the list, then use ▼ or ▲ to move the channel upward or downward to a desired new position. Press **YELLOW** button again to finish the moving.

4 Repeat the above steps to move more programs.

Note:
- If the Programme Edit menu has more than one page, you may press ▲ or ▼ to scroll the page upward or downward.
- The order of the DTV channels is automatically assigned and cannot be changed by user.

Skipping channels

PICTURE SOUND TIME OPTION LOCK CHANNEL

Auto Tuning ➤
DTV Manual Tuning ➤
ATV Manual Tuning ➤
Programme Edit ➤

◄► Select   ▲▼ Move   MENU Return

Programme Edit

DTV	2	ABC TV Sydney	
DTV	20	ABC HDTV	SKIP
DTV	21	ABC2	
DTV	22	ABC TV	
DTV	350	CH1	
DTV	351	CH2	
DTV	352	CH3	
DTV	353	CH4	
DTV	354	CH5	
DTV	355	CH6	

🔴Delete 🟢Rename 🟡Move 🔵Skip
OK Select FAV.LIST Favorite MENU Return

You can skip unnecessary channels so that only the channels you want to watch can be selected by **CH ⌃** / **CH ⌄** . You can still tune to the skipped channel by using the number buttons.
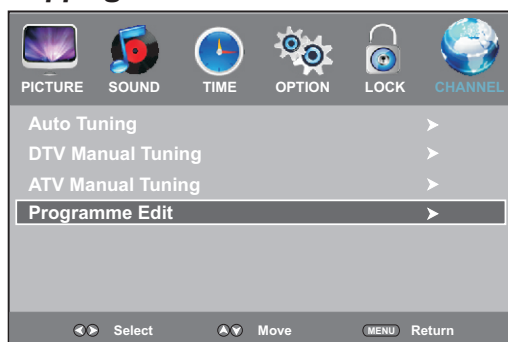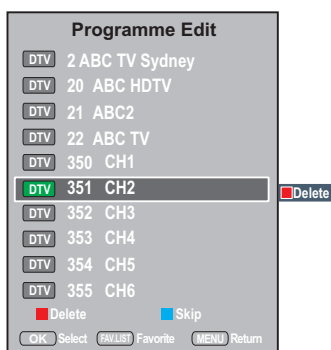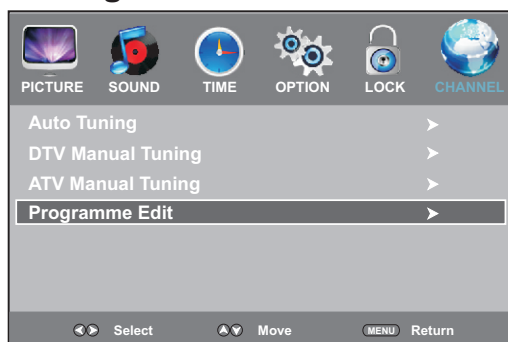
1 Navigate to the **CHANNEL** menu, press ▲ or ▼ to select **Programme Edit**, press ▶ or **OK** to open the **Programme Edit** menu.

2 Press ▼ or▲ to select your unwanted channel, press **BLUE** button and a skip symbol appears alongside the selected channel in the list, which means this channel will be skipped. (To cancel the skip setting, press **BLUE** button again and the symbol disappears.)

3 Repeat the above steps to set more programs to **skip**.

4 Press **EXIT** to close the menu. Now when you press **CH ⌃** / **⌄** , these unwanted channels will be skipped.

Note: If the Programme Edit menu has more than one page, you may press ▲ or ▼ to scroll the page upward or downward.

Deleting channels

PICTURE SOUND TIME OPTION LOCK CHANNEL

Auto Tuning ➤
DTV Manual Tuning ➤
ATV Manual Tuning ➤
Programme Edit ➤

◄► Select   ▲▼ Move   MENU Return

Programme Edit

DTV	2	ABC TV Sydney	
DTV	20	ABC HDTV	
DTV	21	ABC2	
DTV	22	ABC TV	
DTV	350	CH1	
DTV	351	CH2	🔴Delete
DTV	352	CH3	
DTV	353	CH4	
DTV	354	CH5	
DTV	355	CH6	

🔴Delete 🔵Skip
OK Select FAV.LIST Favorite MENU Return

You can delete your unwanted channels from the channel list. After deleting, you can not find them unless you perform a new channel search.

1 Navigate to the **CHANNEL** menu, press ▲ or▼ to select **Programme Edit**, press ▶ or **OK** to open the **Programme Edit** menu.

2 Press ▼ or▲ to select your unwanted channel, press **RED** button and a delete symbol appears alongside the selected channel in the list. Press **RED** button again to confirm the deleting and this channel is deleted.

3 Use ▼ or▲ to select other unwanted program and press **RED** button to delete.

4 Press **EXIT** to close the menu.

Note: If the Programme Edit menu has more than one page, you may press ▲ or▼ to scroll the page upward or downward.

Adjusting the Picture

Adjusting the picture

To adjust the picture:

1 Press **MENU**. The on-screen menu opens with the **PICTURE** menu displayed, then press ▼ to access.

2 Press ▼ ▲ to highlight an option, press ◀ ▶ to adjust the option; If a sub-menu exits, press ▶ or **OK** to access. You can select:

- **Picture Mode** — Selects the picture mode. You can select:
  - **Dynamic** (a bright and vivid picture, recommended for store use. When the TV is powered on in this picture mode, a reminder appears)
  - **Standard** (a standard picture)
  - **Soft** (a soft picture)
  - **User** (user customized picture).

  Note: You can also press **P.MODE** to select the picture mode.
- **Contrast** — Adjusts the contrast.
- **Brightness** — Adjusts the brightness.
- **Colour** — Adjusts the colour saturation.
- **Sharpness** — Adjusts the sharpness.
- **Tint** — Adjusts the image tint. (Only for NTSC system)
- **Backlight** — Sets the overall brilliance of the screen.
- **Colour Temperature** — Selects the colour temperature. You can select **Warm** (to enhance the reds), **Cool** (to enhance the blues), or **Normal**.
- **Aspect Ratio** — Selects the aspect ratio of the picture. You can select:
  - **16:9** — Shows a full-screen picture in 16:9 mode.
  - **4:3** — Shows picture in 4:3 display mode. (Recommended not let TV remain in this mode for extended period of time as to protect the screen.)
  - **Auto** — Selects the correct aspect ratio automatically. (**Note:** In Component mode, due to technology limited, for 480i/p,576i/p "16:9" signal, please select "16:9" aspect ratio manually)
  - **Zoom1** — Enlarges the picture vertically. The top and bottom may be cropped.
  - **Zoom2** — Enlarges picture both horizontally and vertically. The edges may be cropped.
  - **1:1 pixel mapping** (D-SUB, HDMI, Component only) — Displays an input source without scaling it (This option is available when native resolution is 1920x1080 and input resolution is 1920 x 1080p)

  Note: You can also press **ZOOM** to select the aspect ratio.
- **Noise Reduction** — Selects the noise reduction mode to reduce picture noise (snow). You can select **Low, Middle, High,** or **Off**.
- **Overscan** (D-SUB,HDMI, USB-Movie only) — Turn this **On** to adjust the picture's reproduction rate (available when the TV's aspect ratio is in 4:3 or16:9 and the input signal is in video format).
- **Adaptive Contrast** — Turn this **On** to optimize the picture display for a more vivid image.
- **HDMI Black Level** (HDMI only) — Selects the black level on the screen. Select **Low** for darker screen, **Normal** for brighter screen. (Available when RGB signal is input through HDMI jack).
- **Screen** (D-SUB only) — Adjusts the computer image.

Freezing the picture

Press the **FREEZE** button to freeze the image on the screen (the video sources still run). Press again to restore.
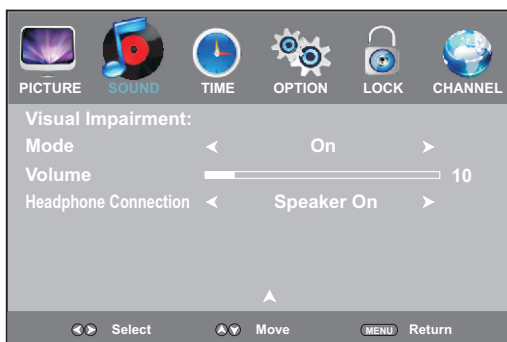
Note:
- *If a fixed image is displayed on the screen for a long time, that fixed image may become imprinted on the screen and remain visible. Therefore do not freeze the picture for a long time.*
- *In some mode, the FREEZE function can not work.*

Adjusting the Sound

Adjusting the sound

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Sound Mode ◄ User ►
Treble _____ 52
Bass _____ 50
Balance _____ 0
Auto Volume ◄ Off ►
Surround Sound ◄ Off ►
▽

◄► Select   ▲▼ Move   MENU Return

↕ **Press ▼ or ▲ to scroll the menu**

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Visual Impairment:
Mode ◄ On ►
Volume _____ 10
Headphone Connection ◄ Speaker On ►

▲

◄► Select   ▲▼ Move   MENU Return

To adjust the sound:

1 Press **MENU**. The on-screen menu opens.

2 Press ◄ or ► to select **SOUND** menu, press ▼ to access.

3 Press ▼ or ▲ to highlight an option, press ◄ or ► to adjust the option. You can select:

- **Sound Mode** — Selects the sound mode. You can select:
  - . **Standard** (for normal programs)
  - . **Music** (for musical programs)
  - . **Movie** (for movies)
  - . **Sports** (for sports programs)
  - . **User** (for user setting sound mode).

Note: You can also press **S.MODE** on the remote control to select the sound mode.

- **Treble** — Adjusts Treble (high sounds).
- **Bass** — Adjusts Bass (low sounds)
- **Balance** — Adjusts the balance between the left and right audio channels.
- **Auto Volume** — Turns **on** to equalize the overall volume levels for all channels.
- **Surround Sound** — Turns the Surround sound effect on or off.
- **Visual Impairment** — Sets the mix of visually impaired audio with regular audio. When available, visually impaired audio includes audio descriptions of on-screen action. Enable this by setting **Mode** to **On**, also you can adjust the volume from this menu.
- **Headphone Connection** — Selects **Speaker On** if you want the speaker sound keeps normal after the headphone is connected. Selects **Speaker Off** if you want the speaker sound is muted when the headphone is connected.

4 To close the menu, press **EXIT** button.

Stereo and Bilingual transmissions

For ATV programmes

If stereo or dual language broadcasts are transmitted, the word **Stereo** or **Dua**l will appear on the screen each time you change channels, disappearing after a few seconds. If the broadcast is not in stereo, the word **Mono** will appear.

Stereo ... Press **STEREO** button to select **Stereo** or **Mono**.

Bilingual ... Bilingual transmissions are rare. If they are transmitted, the word **DUAL** will display. Choose the desired channel number, and if the word **DUAL** appears, press **STEREO** to select **NICAM DUAL A**, **NICAM DUAL B**, **Mono** (NICAM broadcast), or **DUAL A** or **DUAL B** (German stereo/bilingual broadcast).

For DTV programmes

The digital-TV transmission system is capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of the programme into foreign languages, or different commentators for sport events). You can press **STEREO** button and then use ▼ or ▲ to select the audio track, press **OK** to confirm.

Audio Languages

MPEG English

Dolby D English   L ◀ ▶ R
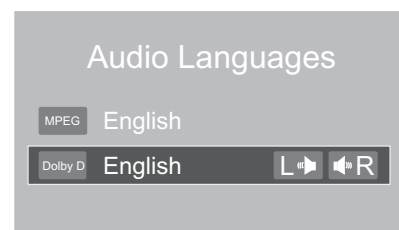
Note: *The availability of these additional "multi-tracks" depends upon the broadcaster.*

Adjusting Basic Settings

Adjusting basic settings

To adjust basic settings:

1   Press **MENU**. The on-screen menu opens.

2   Press ◄ or ► to display **OPTION** menu, press ▼ to access.

3   Press ▼ or ▲ to select an option, press ◄ or ► to adjust the option. If a sub-menu exists, press **OK** to access, then use ▼ ▲ ◄ ► to select and adjust. When finished, highlight **Close** and press **OK**.

4   To close the menu, press **EXIT** button.

*From **OPTION** menu you can select and adjust the following:*

- **OSD Language** — Selects on-screen menus language. In this model, only ENGLISH is available.
- **Audio Languages** (New Zealand only) — Selects an alternate language if the program has more than one language. You can select for Primary/Secondary language.
- **Subtitle Language** (New Zealand only) — Selects subtitle language if available. You can select for Primary/Secondary language.
- **Hearing Impaired** (digital only) — Selects **On** to display the subtitles (if available) for the hearing impaired.
- **S/PDIF Output** (digital only) — Selects the digital audio output mode for S/PDIF. You can select **Auto** or **PCM**.
  . **Auto:** This mode outputs Dolby Digital or PCM to the digital audio output jack (S/PDIF) providing it is being broadcast.
  . **PCM:** Select this when a 2ch digital stereo amplifier is connected to the TV. When you select a Dolby Digital or MPEG audio track, the sound is converted to the PCM (2ch) format and output.
- **Audio Preference** (digital only) — Selects the audio track to output. You can select **MPEG** or **Dolby Digital***.
  . **MPEG:** If the programme has MPEG and Dolby Digital tracks, select MPEG to output MPEG track in preference.
  . **Dolby Digital*:** If the programme has MPEG and Dolby Digital tracks, select Dolby Digital to output Dolby Digital track in preference.

   * Manufactured under license from Dolby Laboratories.
      Dolby and double-D symbol are trademarks of Dolby Laboratories.

◖◗ DOLBY DIGITAL

- **Judder Adjustment** — When viewing programs, picture problems such as Blur and Judder may occur, and different programs have different amount of Judder. The Judder Adjustment option will help you correct this picture problem by reducing the amount of judder on your TV. You can select **Weak/Normal/Strong** that suits your taste, select **Off** to turn off this feature.
  . **Weak:** Select for news programs or similar programs.
  . **Normal:** Select for movie or general programs.
  . **Strong:** Select for sports programs.
  Note: Judder Adjustment is not effect in D-SUB, HDMI (of VESA signal), or USB (only in certain format) mode. Sometimes it will be turned off automatically when some OSD displays on the screen, then restore automatically when the OSD disappears.
- **Audio Only** — When listening to radio programs, or listening to MP3 music (under MUSIC source or USB music play), you can set **Audio Only** to **Power Saving** for energy save. The backlight will turn off automatically after some seconds. Select **Normal** then the backlight works normally.
- **3D Option** — Access **3D Option** sub-menu to use 3D functions. For details, see the following pages.

Using 3D Functions

Cautions on watching the 3D images

- **Some viewers may experience a seizure or blackout when exposed to certain flashing images or lights contained in certain 3D television pictures or video games.**

  Anyone who has had a seizure, loss of awareness, or other symptom linked to an epileptic condition, or has a family history of epilepsy, should contact a health care professional before using the 3D function.

- **Avoid using the 3D function when under the influence of alcohol.**

- **If you are ill or feel ill, you should refrain from viewing 3D images, and consult your health care provider as may be appropriate.**

- **If you experience any of the following symptoms when viewing 3D video images, stop viewing and contact your health care provider:**

  Convulsions, Eye or muscle twitching, Loss of awareness, Altered vision, Involuntary movements, Disorientation, Eye Strain, Nausea/Vomiting, Dizziness, Headaches.

- **If you feel eye fatigue or other discomfort from viewing 3D video images, remove the 3D glasses and discontinue use until the condition improves.**

- **Viewing in 3D may cause dizziness and /or disorientation for some viewers.**

  Therefore, to avoid injury do not place your TV near open stairwells, balconies, or wires.

  Also do not sit near objects that could be broken if accidentally hit.

- **When viewing 3D images, always wear 3D glasses.**

  Watching 3D images without specified 3D glasses may cause eye strain.

- **Do not wear 3D glasses or watch 3D images from steep angles or while lying down.**

  The 3D effect is lost in these conditions and eye strain may result.

- **It is recommended that the viewer's eyes and 3D glasses are level with the screen.**

- **If you have prescription eye glasses or contact lenses, wear the 3D glasses over them.**

  Watching 3D images without appropriate eyewear may cause eye strain.

- **If 3D images often appear doubled or if you cannot see the images in 3D, stop viewing.**

  Continuous viewing may cause eye strain.

- **Due to the possible impact on vision development, viewers of 3D video images should be age 6 or above.**

  Children and teenagers may be more susceptible to health issues associated with viewing in 3D and should be closely supervised to avoid prolonged viewing without rest.

- **For optimal 3D effect and to avoid eye fatigue it is important that you properly select your viewing position**.

Before using the 3D function, note the following :

- ➢ **In addition to compatible 3D Glasses, viewing 3D programming requires the following (which are not included):**
    1. Compatible 3D playback device (such as DVD player) or 3D source (such as USB device containing 3D programs) .
    2. 3D capable HDMI cable (If 3D program stored at USB device, then view it through USB port).

- ➢ **Notes on handling the 3D Glasses:**
    - Follow all instructions and heed notes that came with the 3D Glasses.

- ➢ **Notes on watching the TV:**
    - Proper 3D effects or 3D-to-2D conversion results may not be obtained depending on the received 3D content.
    - 3D effect and image quality may vary depending upon content quality and display device capability/functionality/settings.
    - **3D Glasses from other manufacturers may not be supported.**
    - Wear the 3D Glasses properly, otherwise you may not see the correct 3D images.
    - When not viewing 3D images, take off the 3D Glasses and turn it off to save battery power.
    - Use the 3D Glasses at the proper viewing angle and distance.
    - When the TV is initially powered on, it may take some time to optimize the 3D display.

Using 3D functions

Incoming video signals can either be in 2D or 3D format. A 2D signal can be viewed in either 2D or 3D, and 3D can be viewed in either 2D or 3D.

If the TV can detect that a signal is 3D, it can change to 3D mode automatically. If not, you can manually change the viewing mode through **OPTION** menu.

➤ Display(viewing) mode introduction

There are four modes for watching TV.

Mode	Description
3D	Displays 3D images.
2D	Displays 2D images by changing 3D images to 2D.
2D to 3D	Displays 3D images by changing 2D images to 3D.
Off	Displays a received signal format as it is (native mode).

➤ 3D format introduction
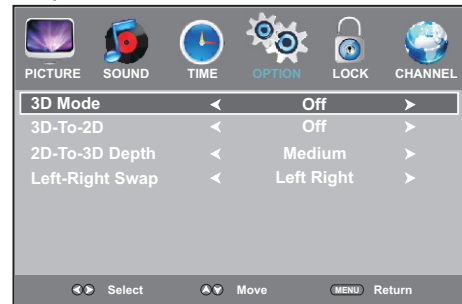
3D signals can be sent in one of three formats.

3D format	Description	
Side-by-Side	Images for the left and right eyes are positioned side-by-side.	
Top-bottom	Images for the left and right eyes are positioned at the top and bottom of the screen.	
Frame Packing*	This format combines left and right frames into one without any loss of resolution. It is auto set and can not be selected manually.	

Switching display mode or selecting 3D format

1   Navigate to the **OPTION** menu, highlight **3D Option** and press **OK** to access.

2   Press ▼ or ▲ to select an option, press ◀ or ▶ to adjust the option.

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

3D Mode	◀	**Off**	▶
3D-To-2D	◀	Off	▶
2D-To-3D Depth	◀	Medium	▶
Left-Right Swap	◀	Left Right	▶

◀▶ Select   ▲▼ Move   MENU Return

From **3D Option** sub-menu, you can select:

3D Mode	Selects display mode. **2D-To-3D, Side-by-Side, Top-bottom, Off** (Native) can be selected.
3D-To-2D	Turns **on** to displays 2D images by changing 3D images to 2D. Turns off to disable the function.
2D-To-3D Depth	Adjusts focus/depth in "2D-To-3D" mode. **Strong, Weak, Medium** can be selected.
Left-Right Swap	Switches left and right images. The left and right images of the glasses can be swapped. If 3D images look blurred, switch the left and right sides of the 3D image.

Notes:

• Normally the TV can automatically detect HDMI 3D signals with common resolution and correctly display content without user intervention. In this situation 3D mode is auto set and can not be selected manually.

• To USB 3D programs and those HDMI 3D signals which can not be automatically detected by the TV, please select 3D mode manually.

• It is suggested to view 3D programs under HDMI/USB source.

• If the right and left images are the same in Off (native) mode, select Side-by-Side.

• If the top and bottom images are the same in Off (native) mode, select Top-bottom.

• At different input mode, 3D Mode choice is different. Under DTV/ATV/AV/Component mode, only **Off, 2D-To-3D** can be selected through **3D Mode** menu item. If D-SUB/HDMI(DVI) VESA signal is received, 2D-To-3D is not supported.

• When **3D Mode** is set at **2D-To-3D**, then **2D-To-3D Depth** is adjustable. If set at **Side-by-Side, Top-bottom,** then **3D-To-2D, Left-Right Swap** can be adjusted.

• If appropriate mode and format are not selected, 3D image is not correctly displayed.

• When watching 3D images under a fluorescent lamp (50Hz-60Hz) or 3 wavelength lamp, you may notice a small amount of screen flickering. If so, dim the light or turn the lamp off.

• When adjusting 3D Option menu items, dark screen might appear transiently, this is not a malfunction.

• 3D mode is automatically disabled when changing channel or the input source.

• In 3D mode, some menu items (such as Aspect Ratio, Overscan, Backlight) can not be adjusted.

• When watching 3D programs through USB port, through Movie Menu Bar you can not perform Zoom In/Zoom Out/Aspect Ratio/Move View function.

• When different USB 3D programs are playbacked continually, previous 3D Mode setting is memorized. Please set proper 3D mode again according to current program. When playback is ended, 3D Mode is auto set to Off.

• To enjoy 3D effects, it is recommended to use true 3D source. The 2D-To-3D conversion function is only for personal taste of 3D effect when viewing 2D programs.

• The panel's change of response time at low temperature will affect 3D viewing effect. If poor 3D effect occurs at low temperature, please move to a place with proper temperature to watch TV.

Setting Clock & Timer

Setting TV clock

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Clock   01/Jan /2011 15:30
Off Time   Off   ➤
On Time   Off   ➤
Sleep Timer   ◄   Off   ➤
Auto Sleep   ◄   Off   ➤
Time Zone   ◄   NSW/ACT GMT+10 ➤

◄► Select   ▲▼ Move   MENU Return

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Clock   -- -- -- -- --
Off Time   Off
On Time   Off   Date   ◄   01   ➤
Sleep Timer   ◄   Off   Month   ◄   Jan ➤
Auto Sleep   ◄   Off   Year   ◄ 2011 ➤
Time Zone   ◄   NSW/ACT GMT+1   Hour   ◄   15   ➤
                                          Minute ◄   30   ➤
                                                Close

◄► Select   ▲▼ Move   MENU Return

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To set TV clock

– For DTV programs, the clock displays the current time using time data received from your TV service provider. This information is based on a digital channel and does not need to be set manually, but you need to select your time zone firstly (**Note: only Australia area** needs to set time zone).

– For ATV programs, if the clock is not set, you may set the clock manually.

– To set OFF timer/ON timer, you should set the clock first.

1 Press **MENU**. Press ◄ or ▶ to display **TIME** menu, press ▼ to access.

2 **A.** For DTV programs, you need to select your time zone.
Press ▲ or ▼ to select **Time Zone**, use ◄ or ▶ to select your local area time zone.
Then the clock will be automatically set by the TV signal source, based on the time zone you selected.

B. For ATV programs (and the clock is not set), press ▲ or ▼ to select **Clock**, press ▶ or **OK** to access its setting menu.
Within the menu, use ▲ or ▼ to highlight the **Date**, **Month**, **Year**, **Hour** or **Minute** item, and use ◄ or ▶ to adjust the values.
When finished, use ▲ or ▼ to select **Close** and press **OK** to confirm the setting and close this sub-menu.

3 To close the menu, press **EXIT** button.

Setting Off timer

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Clock   01/Jan /2011 15:30
Off Time   Off
On Time   Off   Activate ◄ On ➤
Sleep Timer   ◄   Off   Hour   ◄ 00 ➤
Auto Sleep   ◄   Off   Minute   ◄ 00 ➤
Time Zone   ◄   NSW/ACT GMT+
                                                Close

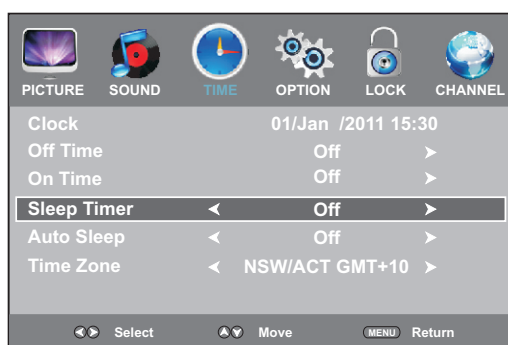◄► Select   ▲▼ Move   MENU Return

To set OFF timer

You can set OFF timer to switch the TV to standby at a specified time. Once you set OFF timer, it will effect every day.

1 Press **MENU**. Press ◄ or ▶ to display **TIME** menu, press ▼ to access.

2 Press ▲ or ▼ to select **Off Time**, press ▶ or **OK** to access its setting menu.

3 Now the **Activate** item is highlighted automatically, press ◄ or ▶ to select **On** to turn on the function (To cancel the function, select **Off**).

4 After **Activate** is set to **On**, press ▲ or ▼ to select **Hour** or **Minute**, press ◄ or ▶ to adjust the value.

5 When finished, use ▲ or ▼ to select **Close** and press **OK** to confirm the setting and close this sub-menu.

6 To close the menu, press **EXIT** button.

Setting Clock & Timer (continued)

Setting Sleep timer

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Clock	01/Jan /2011 15:30
Off Time	Off ➤
On Time	Off ➤
Sleep Timer	◀ Off ➤
Auto Sleep	◀ Off ➤
Time Zone	◀ NSW/ACT GMT+10 ➤

◀ ➤ Select   ▲▼ Move   MENU Return

To set Sleep timer

Sleep timer lets you select the amount of time before your TV turns itself off automatically. This setting is cleared when the TV is turned off.

1 Press **MENU**. Press ◀ or ▶ to display **TIME** menu, press ▼ to access.

2 Press ▲ or ▼ to select **Sleep Timer**.

3 Press ◀ or ▶ to select the amount of time; to turn off the timer, please select **Off**.
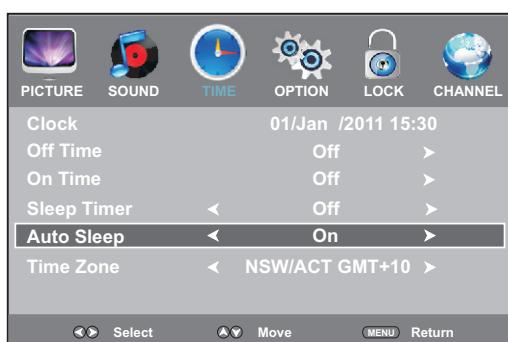
Note:
- You can directly press **SLEEP** button on the remote control to set sleep timer.
- After you have set sleep timer, when the last 60 seconds comes, the Power Off screen will appear to remind you after how many seconds the TV will power off. You can press any button to quit.

Setting Auto Sleep

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

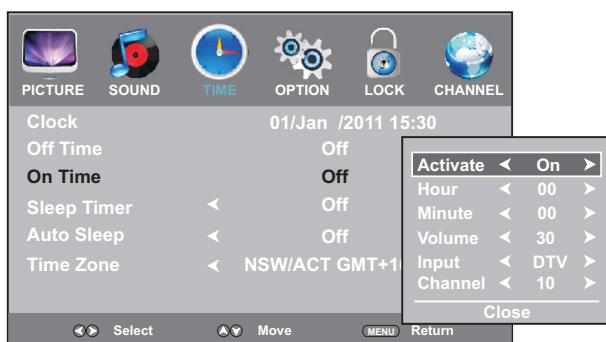|	
Clock	01/Jan /2011 15:30
Off Time	Off ➤
On Time	Off ➤
Sleep Timer	◀ Off ➤
Auto Sleep	◀ On ➤
Time Zone	◀ NSW/ACT GMT+10 ➤

◀ ➤ Select   ▲▼ Move   MENU Return

To set Auto Sleep

Auto Sleep will bring the TV to standby automatically when there is no signal input (except USB and Music source) for a certain time.

1 Press **MENU**. Press ◀ or ▶ to display **TIME** menu, press ▼ to access.

2 Press ▲ or ▼ to select **Auto Sleep**.

3 Press ◀ or ▶ to select **On** to turn on Auto Sleep. (To cancel the function, select **Off**.)

4 To close the menu, press **EXIT** button.

Setting ON timer

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Clock	01/Jan /2011 15:30
Off Time	Off
On Time	Off
Sleep Timer	◀ Off
Auto Sleep	◀ Off
Time Zone	◀ NSW/ACT GMT+1

Activate	◀	On	➤
Hour	◀	00	➤
Minute	◀	00	➤
Volume	◀	30	➤
Input	◀	DTV	➤
Channel	◀	10	➤
	Close		

◀ ➤ Select   ▲▼ Move   MENU Return

To set ON timer

ON timer feature allows you to set the TV to turn on automatically to a preset channel or source at a certain time and at certain volume. Once you set ON timer, it will effect every day.
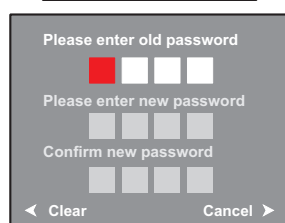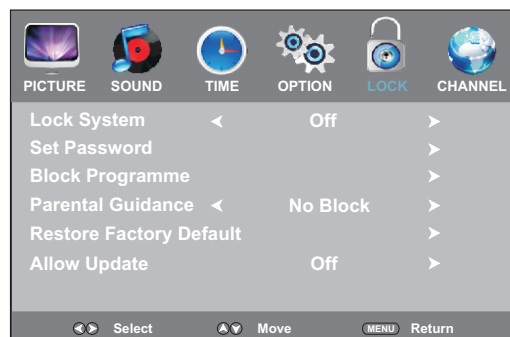
1 Press **MENU**. Press ◀ or ▶ to display **TIME** menu, press ▼ to access.

2 Press ▲ or ▼ to select **On Time**. Press ▶ or **OK** to access the submenu.

3 Now the **Activate** item is highlighted automatically, press ◀ or ▶ to select **On** to enable ON timer (To cancel, select **Off**).

4 After **Activate** is set to **On**, press ▲ or ▼ to go through the item list adding the details of the on timer by using ◀ or ▶ to make selections.

- **Hour/Minute:** Sets the desired time to turn on the TV.
- **Volume:** Sets the volume level for the On Timer program.
- **Input:** Sets the input source to be viewed when the TV turns on.
- **Channel:** Sets the channel that will be tuned when the TV turns on.

5 When finished, use ▲ or ▼ to select **Close** item and press **OK** to close the sub-menu.

Press **EXIT** button to close the main menu.

6 Press ⏻ to switch the TV to standby mode. At the preset time, the TV will auto turn on and broadcast the preset programme at the preset volume.

Setting Child and Rating Locks

You can prevent your children from watching TV by locking the TV and using age ratings.
To enable child lock and rating feature, you must set **Lock System** to **On** through **LOCK** menu. Also you can set **Lock System** to **On** to lock **CHANNEL** menu to protect some TV settings from being accidentally changed. To cancel child and rating lock, you can directly set **Lock System** to **Off**.
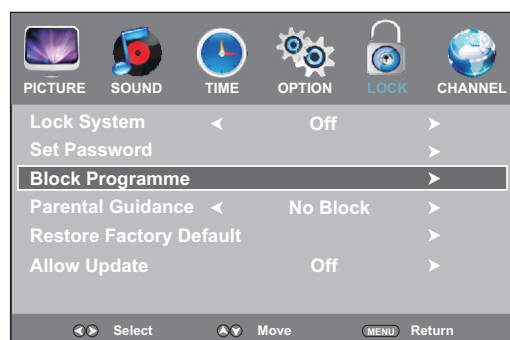
Setting or changing the child lock password

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Lock System	◄	Off	►
Set Password			►
Block Programme			►
Parental Guidance	◄	No Block	►
Restore Factory Default			►
Allow Update		Off	►

◄► Select   ▲▼ Move   MENU Return

Please enter password

◄ Clear   Cancel ►

Please enter old password

Please enter new password

Confirm new password

◄ Clear   Cancel ►

To set or change the child lock password

From LOCK menu you can set a new child lock password or to change an existing child lock password. By default, the password is 0000 and you should change it. To access LOCK menu, to lock or unlock channels, to view locked channels, etc., the child lock password is required.

1   Press **MENU**. Press ◄ or ► to display **LOCK** menu, press ▼ to access.

2   Now a password is required to input. Use number buttons to input the correct password (the default password is 0000).

3   Press ▲ or ▼ to select **Set Password**, and then press ► or **OK** button to access its submenu.

4   Use the number buttons to input a new password (4-digit). Input the new password again.
    Now the new password has been created successfully.

Note: Be sure to write down your password and retain it for future use. If you do forget the password, the unit provides a super password "2580". Please DO NOT let your children know the super password.

Locking the TV programmes

PICTURE	SOUND	TIME	OPTION	LOCK	CHANNEL

Lock System	◄	Off	►
Set Password			►
Block Programme			►
Parental Guidance	◄	No Block	►
Restore Factory Default			►
Allow Update		Off	►

◄► Select   ▲▼ Move   MENU Return

Block Programme

DTV	2 ABC TV Sydney	
DTV	20 ABC HDTV	🔒
DTV	21 ABC2	
DTV	22 ABC TV	
DTV	350 CH1	
DTV	351 CH2	
DTV	352 CH3	
DTV	353 CH4	
DTV	354 CH5	
DTV	355 CH6	

■ Lock

OK Select   MENU Return

To lock or unlock the TV programmes

Locking the TV programs prevents your children from viewing any channels which you do not want them to watch. To use lock feature, you have to enable the Lock System.

1   Navigate to the **Lock** menu and input the correct password to access.

2   Now the **Lock System** item will be highlighted automatically. Use ◄ or ► to select **On** to enable the lock system.

3   Use ▲ or ▼ to highlight **Block Programme** item, press ► or **OK** to access.

4   Now the **Block Programme** screen opens with a programme list displayed. Use ▲ or ▼ to select the programme you want to lock, then press **GREEN** button to set lock to it. A lock symbol appears alongside. (To unlock, press **GREEN** button again.)
    Select other programs and press **GREEN** button to set lock to them .

5   Press **MENU** to return to previous menu. Press **EXIT** to exit the menu screen directly.
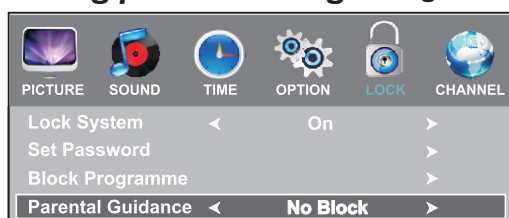
    Then the lock comes into effect and these locked programmes are blocked.

    To viewed locked programmes, just input the password.

    To disable the lock system, set **Lock System** to **Off** and all locked programmes can be viewed.

Setting parental ratings   - digital only -

| PICTURE | SOUND | TIME | OPTION | LOCK | CHANNEL |

Lock System	◄	On	►
Set Password			►
Block Programme			►
Parental Guidance ◄	No Block		►

- **G (General Audiences):** Content not offensive to most viewers.
- **PG (Parental Guidance Suggested)**: Content is such that parents may not want their children to view the programme.
- **M (Mature Audience)**: Suitable for mature audience.
- **MA(Mature Adult Audience)**: May contain mature themes, profane language, graphic violence, and sexual situations.
- **AV (Adult Audience)**: Strong violence.
- **R (Restricted viewing)**: Not for children under age 17. Strong elements of sex and/or violence.
- **PGR** (**Parental Guidance Recommended)**: Programmes more suited to more mature viewers.
- **AO (Adults Only)**: AO programmes contain material of an adult nature handled in such a way that it is unsuitable for children.

To set and enable parental ratings

Some digital broadcasters rate their programmes according to age. You can set your TV to display only programmes with age ratings higher than your child's age. Before setting parental ratings, you have to enable the lock system.

1 Use password to access **LOCK** menu, highlight **Lock System** and use ◄ or ► to select **On** to enable the lock system.

2 Press ▲ or ▼ to highlight the **Parental Guidance**, use ◄ or ► to select an age rating. All programmes beyond the selected age rating will be blocked. You can select:

(For **Australia**)
- **Block All**
- **Block G and above**
- **Block PG and above**
- **Block M and above**
- **Block MA and above**
- **Block AV and above**
- **Block R and above**
- **No Block**

(For **New Zealand**)
- **Block All**
- **Block G and above**
- **Block PGR and above**
- **Block M and above**
- **Block AO and above**
- **Block AV and above**
- **Block R and above**
- **No Block**

3 Press **MENU** to return to previous menu.
Press **EXIT** to close the menu directly.

Restoring factory default

| PICTURE | SOUND | TIME | OPTION | LOCK | CHANNEL |

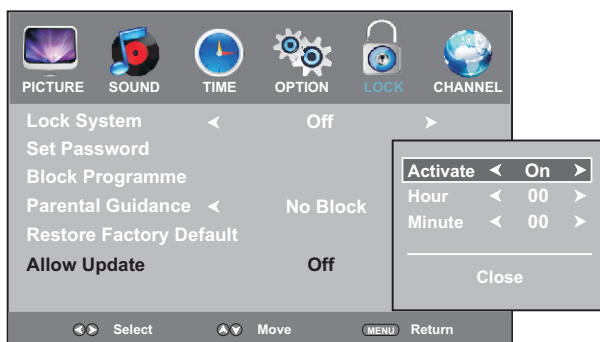| Lock System | ◄ | On | ► |
Set Password			►
Block Programme			►
Parental Guidance	◄	No Block	►
Restore Factory Default			►
Allow Update		Off	►

◄► Select   ▲▼ Move   MENU Return
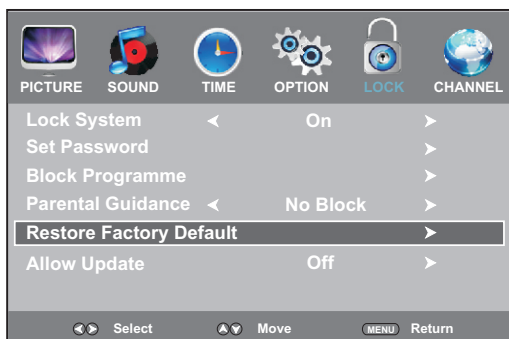
To restore factory default

Caution: When you restore factory default, all settings including password will be cleared and reset to default (the password is reset to 0000). So make sure you do want to reset the settings to its original factory condition before you perform this operation.

1 Navigate to the **Lock** menu and input the correct password to access.

2 Press ▲ or ▼ to select the **Restore Factory Default** item, and then press ► or **OK**.
A message appears prompting you to confirm again.

3 Press ◄ to reset or press ► to cancel the reset.

4 Press **MENU** to return to previous menu. Press **EXIT** to close the menu directly.

Setting Allow Update

| PICTURE | SOUND | TIME | OPTION | LOCK | CHANNEL |

Lock System	◄	Off	►
Set Password			
Block Programme			
Parental Guidance	◄	No Block	►
Restore Factory Default			
Allow Update		Off	

Activate	◄	On	►
Hour	◄	00	►
Minute	◄	00	►
	Close		

◄► Select   ▲▼ Move   MENU Return

To set Allow Update

When the TV is in standby mode, the TV will automatically work at the preset time and detect OTA, then start system update.

1 Navigate to the **Lock** menu and input the correct password to access.

2 Press ▲ or ▼ to select the **Allow Update** item, press ► or **OK** to access its setting menu.

3 Now the **Activate** item is highlighted automatically, press ◄ or ► to select **On** to enable the function (To cancel, select **Off**).

4 After **Activate** is set to **On**, press ▲ or ▼ to go through Hour/Minute item and use ◄ or ► to set update time.

5 When finished, use ▲ or ▼ to select **Close** and press **OK** to close the sub-menu. To exit, press **EXIT** button.

Teletext & Subtitle

What Is Teletext?

Your System receives Teletext signals broadcast by a TV network, and decodes them into graphical format for viewing. News, weather and sports information, stock exchange prices and programme previews are among the many services available.

■ To Turn On/Off Teletext

Select a TV channel providing the Teletext program.
Press **TTX** button to display the teletext.
Press **TTX** button again to switch back to TV screen.

■ Teletext control button list

- ▲/▼ button

  Used to scroll page upward or downward.

- **0 – 9** button

  Directly select any page by using 0 - 9.

- **Coloured** buttons **(RED/GREEN/YELLOW/BLUE)**

  Coloured areas are displayed at the bottom of the screen. The 4 coloured buttons are used to access the items or corresponding pages.

- **Hold** button

  Certain pages contain sub-pages which are automatically displayed successively. This button is used to stop or resume sub-page acquisition.

- **Reveal** button

  Press the button to reveal the concealed information such as games solutions. Press the button again to hide the information.

- **Size** button

  Press this button several times to display the upper, then the lower part of the screen and then return to the normal size teletext page.

- **Index** button

  In teletext mode, press this button to display the index page.

- **Mix** button

  Press the button to display the Teletext on the screen with transparent background while viewing the TV programme simultaneously.

- **Update** button

  Press the button to view the updated teletext page.

- **Subtitle** button

  Press the button to display the teletext subpage if available.

Subtitle

- For analogue programs, if the programme has subtitle, press **Subtitle** button to display subtitle on the screen. To cancel, press **EXIT**.

- For digital programs, if the programme has subtitle, press **Subtitle** button to display **Subtitle Languages** list and then use ▼ or ▲ to select subtitle, press **OK** to confirm.
To cancel the subtitle, go to **Subtitle Languages** list, use ▼ or ▲ to select **Off** and then press **OK**.
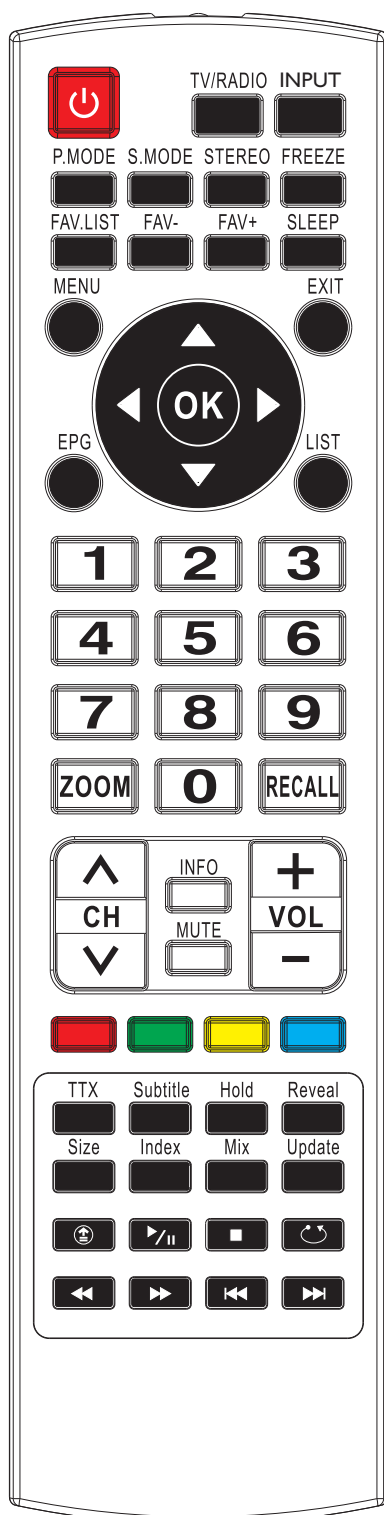
Adjusting the Computer Image & Setting Hotel Mode

Adjusting the PC image
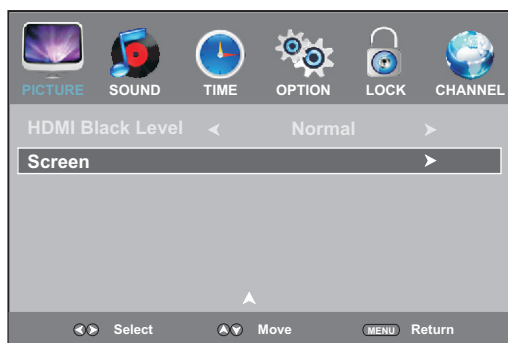
Before adjusting the screen, make sure that you select the correct source (D-SUB).

To adjust the computer image:

1 Press **MENU**. The on-screen menu opens with **PICTURE** menu displayed.

2 Press ▲ or ▼ repeatedly to scroll the menu page until you select the **Screen** item, then press ▶ or **OK** to access.

3 Press ▼ or ▲ to highlight an option, press ◀ or ▶ to adjust the level, or press **OK** to confirm. You can select:

- **Auto Adjust** — Automatically adjusts the image settings such as position and phase.
- **Horizontal Pos.** — Moves the image right or left.
- **Vertical Pos.** — Moves the image up or down.
- **Size** — Adjust the horizontal width of the image on the screen.
- **Phase** — Adjusts the focus of stable images.

4 To close the menu, press **EXIT** button.

Setting Hotel Mode
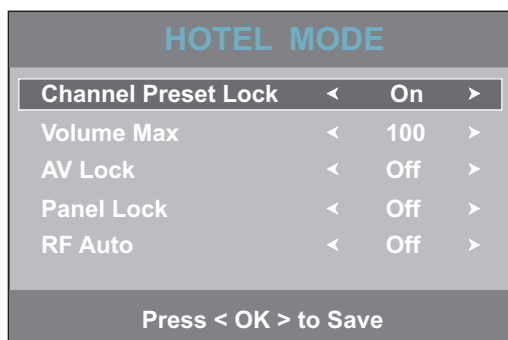
Hotel Mode feature enables you to lock CHANNEL menu, set maximum volume, lock other sources except AV, lock panel buttons, etc. which is especially useful at Hotel environment.

To set Hotel Mode

1 Press **INPUT** button. The **Input Source** menu opens.

2 Press number buttons: [**5**, **8**, **2**] to access the **Hotel Mode** screen**. Be sure to quickly input the numbers while the Input Source menu is still visible.**

3 Within the menu, press ▼ or ▲ to highlight an option, press ◀ or ▶ to adjust the option. You can select:

- **Channel Preset Lock** — Turns **On** to lock the CHANNEL menu, the CHANNEL menu will be grayed out and can not be accessed. To cancel the lock, set it to **Off**.
- **Volume Max** — Sets the maximum volume (30–100) for the TV.
- **AV Lock** — Turns **On** to fix the input source to **AV**, only AV programme can be viewed while all other sources are blocked. To cancel the lock, set it to **Off**.
- **Panel Lock** — Turns **On** to lock panel buttons, buttons on the control panel on the TV are not active. To restore, set it to **Off**.
- **RF Auto** — When **On** is set, the TV will automatically go to standby if without RF signal input for several minutes. If **Off** is set, the TV will still work even if there is no RF signal input.

4 Press **OK** to save the setting. Press **EXIT** to exit the menu screen directly.

Using MUSIC Player & Using USB Multi Media Player

Using MUSIC player

You can connect your MP3 player to **MUSIC** jack on the TV side to listen to music from your TV.

Be sure to switch to **MUSIC** source firstly by pressing **INPUT** button.

During music playing and you want to save power, please go to **OPTION** menu and set **Audio Only** to **Power Saving**, then a message "**Audio Only, it will go to power saving mode**" appears, after some seconds the backlight will turn off automatically.

Using USB multi media player

You can connect a USB device (such as U disk, portable hard disk, MP3 card, USB memory media, etc. with a USB interface) to your TV to view compatible photo, movie, text on the large screen of the TV or play compatible music so that the sound can be output from the TV's speakers.

To use USB multi media player, please go to USB source through Input Source menu by pressing INPUT button.

Notes:

- Never remove the USB device or turn off the TV while using the USB device.
- It is recommended that you back up your USB device data.
- The USB menu may vary in different situation.
- If you want to pull out the USB device, please exit USB mode first. For instructions on using your USB device, refer to the owner's manual of your USB device.
- Please use English to name your files. Otherwise the file names can not be shown correctly.
- Certain types of USB device may not be compatible with this TV.

USB multi media interface introduction

1 Connect your USB device. Select **USB** mode through the **Input Source** menu, the USB multi media interface (main menu) will appear automatically.

2 Press ◀ or ▶ to select your desired media, press **OK** to access. You can select:

- **PHOTO** — Selects to view compatible photos.
- **MUSIC** — Selects to playback compatible music.
- **MOVIE** — Selects to playback compatible movie.
- **TEXT** — Selects to view compatible text.

USB 2.0

◀ PHOTO   MUSIC   MOVIE   TEXT ▶
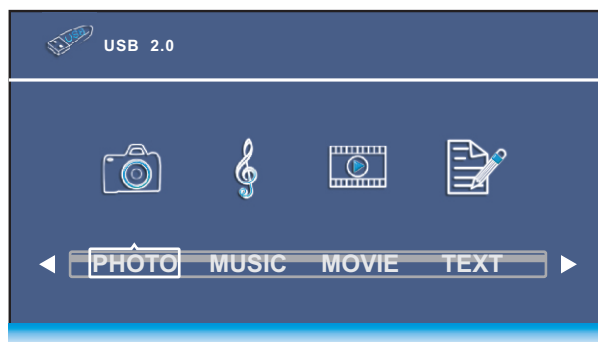
Using the remote control to operate the USB multi media player

PLAY/PAUSE button	During playback if you want to pause it, press the **PAUSE** (**II**) button. To return to normal playback, press the **PLAY** (▶) button.
STOP button	During playback if you want to stop it and exit, press the **STOP** (■) button.
Reverse/fast forward	When playing music or movie, press ◀◀/▶▶ for reverse/fast forward.
Previous/next	Go to previous/next file.
Repeat mode select button	Press the ↻ button repeatedly to select your desired repeat mode. You can select **Repeat 1** (repeat to play one file), **Repeat All** (repeat to play all files when playback reaches end), **No Repeat** (no repeat when playback reaches end).
Go back button	When in USB menu navigation, press the ⏏ button to go back.

Using USB Multi Media Player

Media 1: Viewing Photos

With the photo viewer, you can:
- View photos (in JPG, BMP or PNG format).
- Pan, zoom, and rotate photos.
- View photos with background music.
- Mark photos so you can just slide show those marked photos.

Note: The photo viewer supports JPG, BMP, PNG format images, but not all JPG, BMP, or PNG files are compatible with the TV due to technical update.

Using photo viewer index and Photo Menu Bar

To access photo viewer index/Photo Menu Bar

1 Connect your USB device that contains the photo files you want to view, switch to **USB** mode, the USB main menu will appear automatically. Press ◀ or ▶ to select **PHOTO**, press **OK** to access.

2 Press ◀ or ▶ to highlight **C** disk, press **OK** to open the USB device; if you want to go back, highlight **Return** and press **OK**.
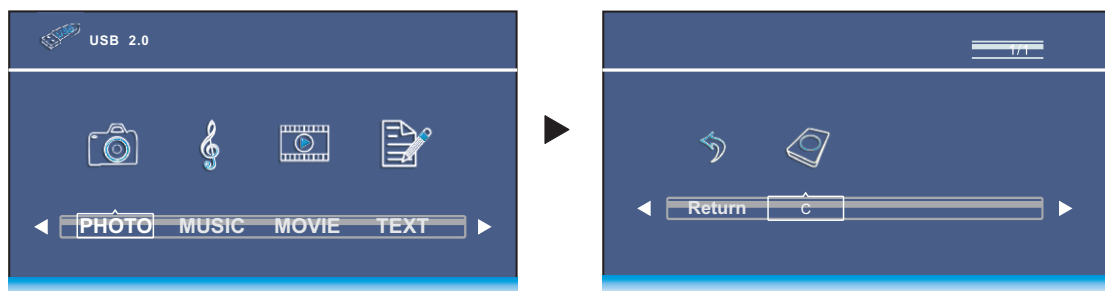

3 After you open the USB device, you can use ▲ ▼ ◀ ▶ to navigate and select folders or photo files, then press **OK** to open the highlighted folder or press ▶/Ⅱ to start slide show from current photo file. Below we will take it as an example that your desire photo files are contained in a folder. Just highlight this folder and press **OK** and the Photo Viewer Index appears, which displays thumbnail images of the files stored inside this folder.
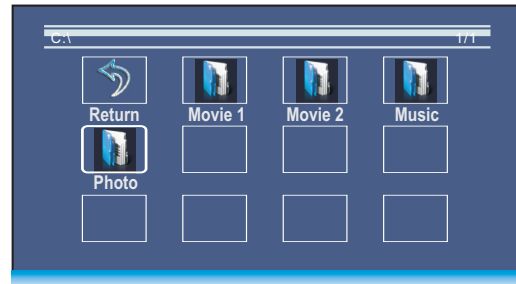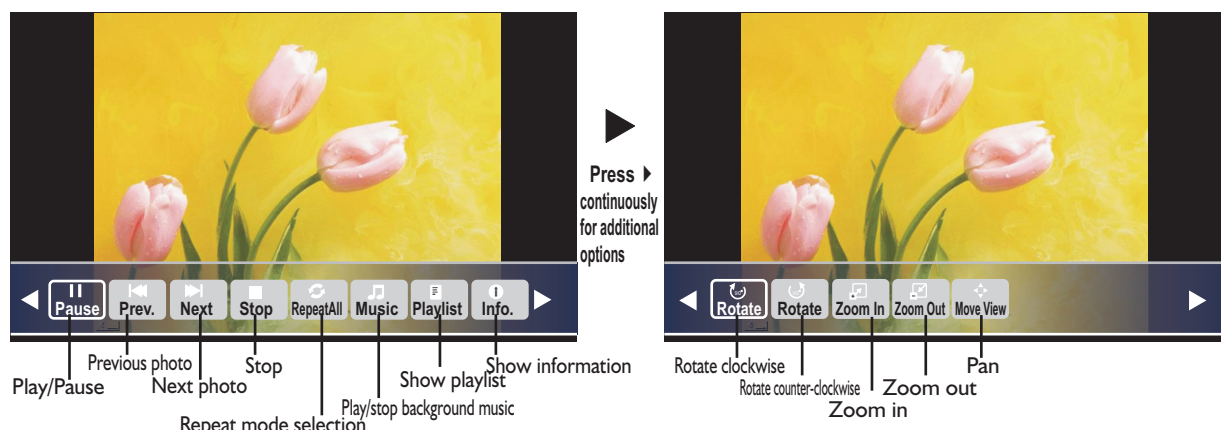
4 The following describes how to use the Photo Viewer Index:

- **To return to root (C: disk),** highlight **Return** and press **OK**.
- **To go back to upper level folder**, highlight **Up Folder** and press **OK**.
- **To start slide show from your desired photo,** highlight this photo then press ▶/Ⅱ .
- **To mark photos so you can just slide show those photos**, use ▲ ▼ ◀ ▶ to highlight the specific photo then press **OK**. A check mark appears on it (press **OK** again to cancel the mark). Repeat this way to create your favourite photo list, then slide show will go among these photos.

Return to root
Path
Return to upper level folder
Current page/total pages

Mark
Thumbnails of photos
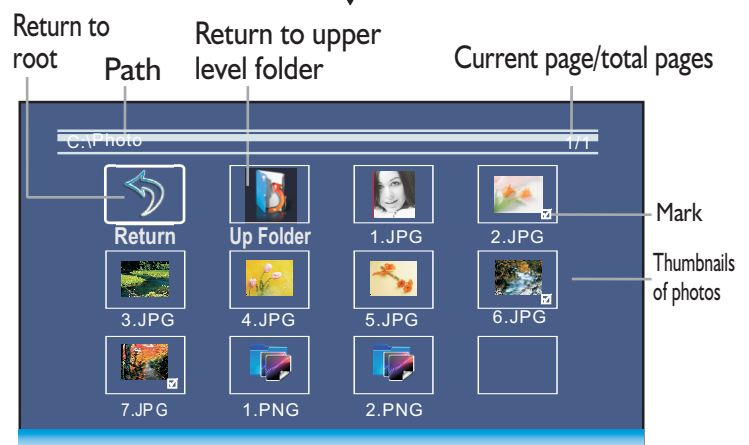
5 During slide show, you can make use of **Photo Menu Bar** to perform many functions.
To call out and operate the Photo Menu Bar, just press **INFO** button during slide show. The Photo Menu Bar is displayed at the bottom screen. Then use ◀ ▶ to select your desired function icon, press **OK** to fulfill the function. If the function icon has several options, repeatedly press **OK** to select it. To clear the Photo Menu Bar, press **INFO** again.

Using USB Multi Media Player

▶

Press ▶
continuously
for additional
options

◄ | **Pause** Prev. Next Stop RepeatAll Music Playlist Info. | ►

Play/Pause
Previous photo
Next photo
Stop
Repeat mode selection
Play/stop background music
Show playlist
Show information

◄ | **Rotate** Rotate Zoom In Zoom Out Move View | ►

Rotate clockwise
Rotate counter-clockwise
Zoom in
Zoom out
Pan

The following describes every function icon on the Photo Menu Bar.

Icon	Description
Play or **Pause**	**Play/pause.** Also you can directly press ▶/❙❙ on the remote control for play/pause.
Prev. **Next**	Go to the **previous/next photo**. Also you can directly press ❙◄◄/►►❙ on the remote control for previous/next photo.
Stop	**Stop and exit**. Also you can directly press ■ on the remote control for stop.
RepeatAll	**Repeat mode selection.** Highlight this icon, press **OK** one or more times to select **Repeat 1** (repeat to show one photo), **Repeat All** (repeat to show all photos when slide show reaches end), **No Repeat** (no repeat when it reaches end).
Music	**Play/pause background music**. **Note:** You can make use of it to playback your **marked** compatible music file as background music during photo slide show.
Playlist	**List of photo files**. It will display a list of all marked compatible photo files in current folder. If none marked, then all compatible photo files in this folder. Press ▲ ▼ to move upward or downward, press **OK** to start slide show from it. Press **EXIT** to exit the list.
Info.	**File information**. It will display current photo file information. Press **EXIT** to clear the information.
Rotate **Rotate**	**Rotate the photo clockwise/counterclockwise** by 90 degree upon every press.
Zoom In **Zoom Out**	**Zoom in/zoom out** the photo image.
Move View	**Pan** (left, right, up, down). You can use Pan only when the photo is magnified using ZOOM. After you highlight this icon and press **OK**, a symbol appears at the screen's bottom right corner, now you can press ▲ ▼ ◄ ► to pan around the photo.

Media 2: Playing Music
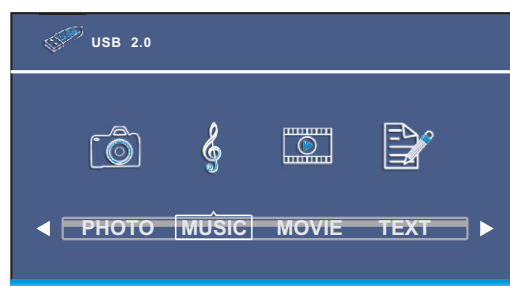
With the USB music player, you can:
● Play compatible music (in MP3, WMA or AAC format).
● Mark music files so you can just play back those music files.

Note: The USB music player supports MP3, WMA, AAC format images, but not all MP3, WMA or AAC files are compatible with the TV due to technical update.
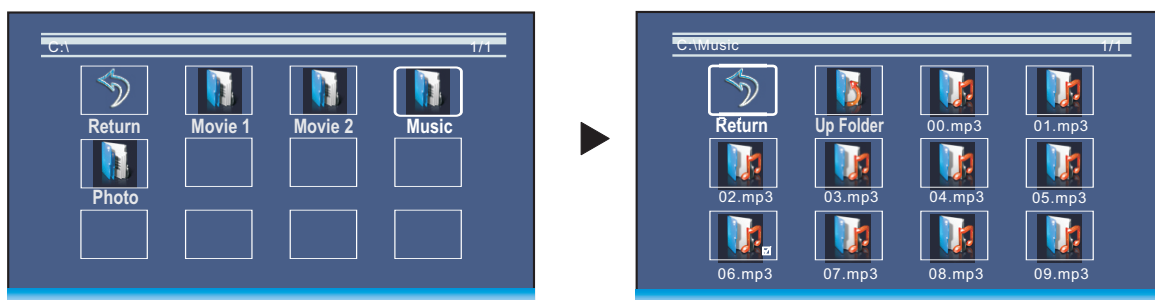
Music Playback

To access music playback window

1 Connect your USB device that contains the music files you want to play, switch to **USB** mode through the **Input Source** menu, the USB main menu will appear automatically. Press ◄ or ► to select **MUSIC**, and press **OK** to access.
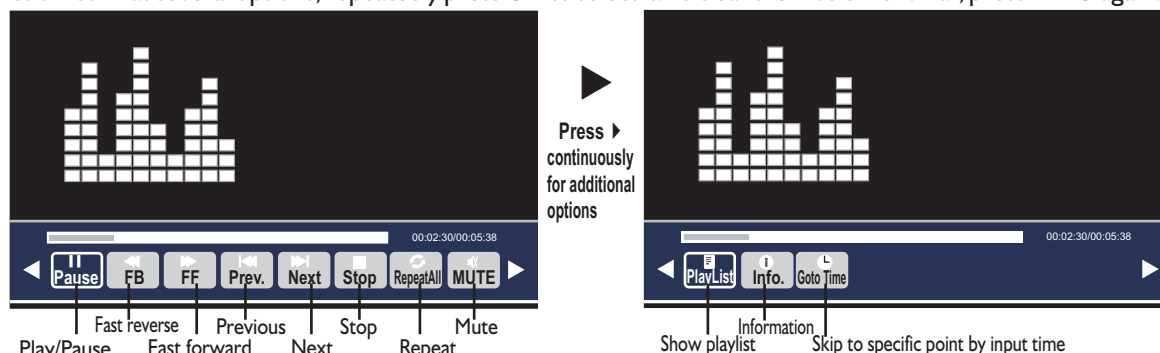

2 Press ◄ or ► to highlight **C** disk, then press **OK** to open the USB device; if you want to go back, highlight **Return** and press **OK**.

Using USB Multi Media Player

3 After you open the USB device, you can use ▲ ▼ ◀ ▶ to navigate and select folders or music files, then press **OK** to open the highlighted folder or press ▶/ⅡⅠ to start music play from current music file. Below we will take it as an example that your desire music files are contained in a folder. Just highlight this folder and press **OK** to open it. All your music files are shown in a thumbnail index.

4 The following describes how to use the music thumbnail Index:
- **To return to root,** highlight **Return** and press **OK**.
- **To go back to upper level folder**, highlight **Up Folder** and press **OK**.
- **To start playback from your desired music file,** highlight this file then press ▶/ⅡⅠ .
- **To mark music files so you can just play those music files**, use ▲ ▼ ◀ ▶ to highlight this music then press **OK**. A check mark appears on it (press **OK** again to cancel the mark). Repeat this way to create your favourite music list, then music playback will go among these files.

5 During music playback, you can make use of **Music Menu Bar** to perform many functions.

To call out and operate the Music Menu Bar, just press **INFO** button during music playback. The Music Menu Bar is displayed at the bottom screen. Then use ◀ ▶ to select your desired function icon, press **OK** to fulfill the function. If the function icon has several options, repeatedly press **OK** to select it. To clear the Music Menu Bar, press **INFO** again.

Press ▶ continuously for additional options

The following describes every function icon on the Music Menu Bar.

Icon	Description
Play or **Pause**	**Play/pause.** Also you can directly press ▶/ⅡⅠ on the remote control for play/pause.
FB **FF**	**Fast reverse/fast forward. Also** you can directly press ◀◀ / ▶▶ on the remote for fast reverse/fast forward.
Prev. **Next**	Go to the **previous/next file**. **Also** you can directly press ◀◀ / ▶▶ on the remote for previous/next file.
Stop	**Stop playback and exit**. **Also** you can directly press ■ on the remote control for stop.
RepeatAll	**Repeat mode selection.** Highlight this icon, press **OK** one or more times to select **Repeat 1** (repeat to play one music), **Repeat All** (repeat to play all music files when it reaches end), **No Repeat** (no repeat when it reaches end).
MUTE	**Mute** the sound. **Also** you can press **MUTE** button on the remote for mute.
PlayList	**List of music files**. It will display a list of all marked compatible music files in current folder; if none marked, then all compatible music files in this folder. Press ▲ ▼ to move upward or downward, press **OK** to start music playback from it. Press **EXIT** to exit the list.
Info.	**File information**. It will display current music file information. Press **EXIT** to exit.
Goto Time	**Skip to specific point by input time**. Highlight this icon, press **OK** to call out **Input search time** screen, use **number** buttons to input time, use ◀ ▶ to move the cursor, then highlight **OK** and press **OK** button for time search, and the playback starts from the specific time. **Note:** If you want to show the associated lyrics on the screen with the music, you must store these associated lyrics in the same folder using the same file name with " .lrc " file extensions.

Using USB Multi Media Player

Media 3: Playing Movie

With the USB movie player, you can:
- Play compatible movie (in AVI, MPG, MPEG, DAT, MP4, TS, or MKV/MOV format).
- Repeat playing any specified section (AB Loop).
- Mark movie files so you can just play back those movie files.

Note:
The USB movie player supports AVI, MPG, MPEG, DAT, MP4, TS, MKV/MOV format images, but not all AVI, MPG, MPEG, DAT, MP4, TS, MKV/MOV files are compatible with the TV due to technical update.
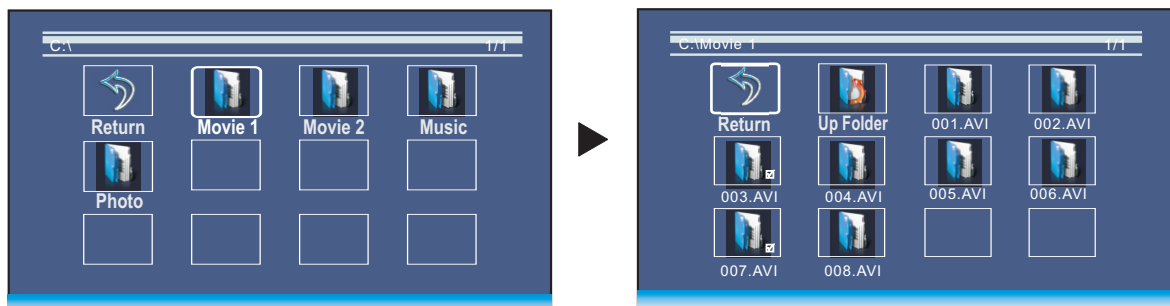
Movie Playback

To access movie playback window

1 Connect your USB device that contains the movie files you want to play, switch to **USB** mode through the **Input Source** menu, the USB main menu will appear automatically. Press ◀ or ▶ to select **MOVIE**, and press **OK** to access.

2 Press ◀ or ▶ to highlight **C** disk, then press **OK** to open the USB device; if you want to go back, highlight **Return** and press **OK**.
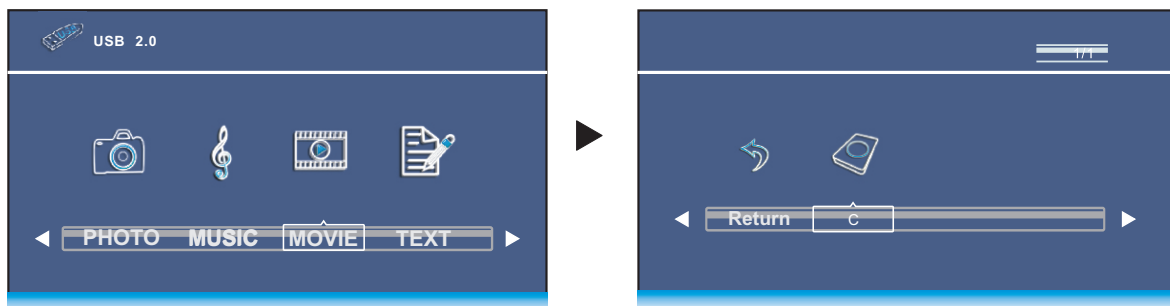
3 After you open the USB device, you can use ▲ ▼ ◀ ▶ to navigate and select folders or movie files, then press **OK** to open the highlighted folder or press ▶/॥ to start movie playback from current movie file. Below we will take it as an example that your desire movie files are contained in a folder. Just highlight this folder and press **OK** to open it. All your movie files are shown in a thumbnail index.
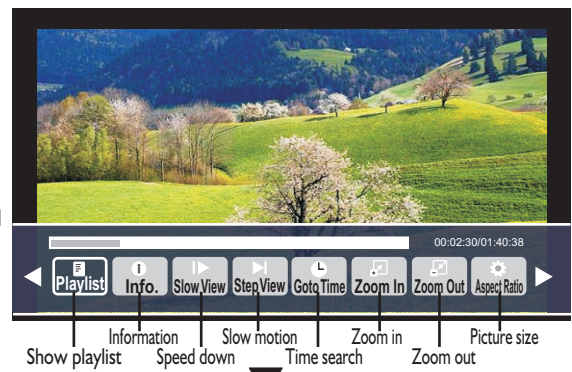

4 The following describes how to use the movie thumbnail Index:
- **To return to root,** highlight **Return** and press **OK**.
- **To go back to upper level folder**, highlight **Up Folder** and press **OK**.
- **To start playback from your desired movie file,** highlight this file then press ▶/॥ .
- **To mark movie files so you can just playback those movie files**, use ▲ ▼ ◀ ▶ to highlight this movie file then press **OK**. A check mark appears on it (press **OK** again to cancel the mark). Repeat this way to create your favourite movie list, then movie playback will go among these files.

5 During movie playback, you can make use of **Movie Menu Bar** to perform many functions.
To call out and operate the Movie Menu Bar, just press **INFO** button during movie playback. The Movie Menu Bar is displayed at the bottom screen. Then use ◀ ▶ to select your desired function icon, press **OK** to fulfill the function. If the function icon has several options, repeatedly press **OK** to select it. To clear the Movie Menu Bar, press **INFO** again.
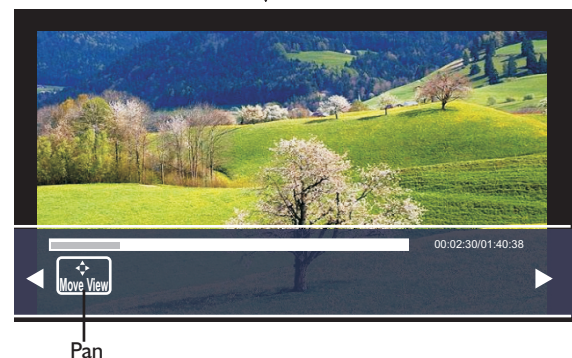
Using USB Multi Media Player

Press ▶ continuously for additional options

Play/Pause	Fast reverse	Previous	Stop	AB Loop
	Fast forward	Next	Repeat	

Show playlist · Information · Slow motion · Time search · Zoom in · Picture size
Speed down · Zoom out

Pan

The following describes every function icon on the Movie Menu Bar.

Icon	Description
Play or **Pause**	**Play/Pause.**
FB **FF**	**Fast reverse/fast forward.**
Prev. **Next**	Go to the **previous/next file**.
Stop	**Stop playback and exit**.
RepeatAll	**Repeat mode selection.** Highlight this icon, press **OK** one or more times to select **Repeat 1** (repeat to play one movie), **Repeat All** (repeat to play all movie files when it reaches end), **No Repeat** (no repeat when it reaches end).
Set A	**AB Loop.** By AB Loop, you can pause and repeat any specified section during playback. At the **starting** point set it as **A** by highlighting this icon and pressing **OK** (the top screen will show **Set A**). At the **ending** point set it as **B** by highlighting this icon and pressing **OK** (the top screen will show **AB Loop**). Now AB Loop starts. To cancel, highlight this icon and press **OK**. **Note:** The AB Loop function may not work at some movies due to their information limitation.
Playlist	**List of movie files**. It will display a list of all marked compatible movie files in current folder; if none marked, then all compatible movie files in the folder. Press ▲ ▼ to move upward or downward, press **OK** to start movie playback from it. Press **EXIT** to exit the list.
Info.	Shows current movie **information.** Highlight this icon, press **OK** to call out **Information** screen, press ▲ ▼ to move upward or downward, press ◀ ▶ to adjust the item, such as audio track, subtitle language and programme (if available). To exit, press **EXIT**.
Slow View	**Speed down**. Highlight this icon, repeatedly press **OK** to speed down the playback among 2x, 4x, 8x, 16x choice. Press ▶/⏸ to resume playback speed.
Step View	**Slow motion**. Highlight this icon, repeatedly press **OK** for slow motion.
Goto Time	**Skip to specific point by input time**. Highlight this icon, press **OK** to call out **Input search time** screen, use **number** buttons to input time, use ◀ ▶ to move the cursor, then highlight **OK** and press **OK** button for time search, and the playback starts from the specific time. **Note:** The **skip** function may not work at some movies due to their information limitation. Also the input time value for skip is only served as a reference. The actual point located may differ depending on the movie signal.
Zoom In **Zoom Out**	**Zoom in/Zoom out** the image.
Aspect Ratio	**Picture size** selection. Highlight this icon, press **OK** repeatedly to select your desired picture format among **Auto, Zoom 1, Zoom 2, 16:9, 4:3** during movie play.
Move View	**Pan** (left, right, up, down). You can use Pan only when the photo is magnified using ZOOM. After you highlight this icon and press **OK**, a symbol appears at the screen's bottom right corner, now you can press ▲ ▼ ◀ ▶ to pan around the image.

Using USB Multi Media Player

Media 4: Playing text

With the USB text viewer, you can:
- View compatible text (in TXT format).
- View text with background music.
- Mark specific text files so you can just view those specific text files.

Note: The USB text viewer supports TXT format files, but not all TXT files are compatible with the TV due to technical update.

To access text viewer

1   Connect your USB device that contains the text files you want to view, switch to **USB** mode through the **Input Source** menu, the USB main menu will appear automatically. Press ◀ or ▶ to select **TEXT**, and press **OK** to access.

2   Press ◀ or ▶ to highlight **C** disk, then press **OK** to open the USB device; if you want to go back, highlight **Return** and press **OK**.

USB 2.0

◀ PHOTO MUSIC MOVIE TEXT ▶

▶

1/1

◀ Return   C   ▶
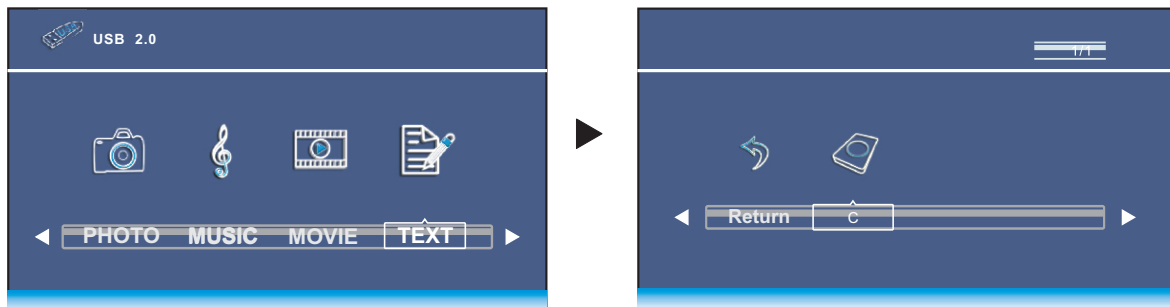
3   After you open the USB device, you can use ▲ ▼ ◀ ▶ to navigate and select folders or text files, then press **OK** to open the highlighted folder or press ▶/ii to start text play from current file. Below we will take it as an example that your desire text files are contained in a folder. Just highlight this folder and press **OK** to open it. All your text files are shown in a thumbnail index.

4   The following describes how to use the thumbnail Index:
   - **To return to root,** highlight **Return** and press **OK**.
   - **To go back to upper level folder**, highlight **Up Folder** and press **OK**.
   - **To start play from your desired file,** highlight this file then press ▶/ii .
   - **To mark specific files so you can just play those files**, use ▲ ▼ ◀ ▶ to highlight this text file then press **OK**. A check mark appears on it (press **OK** again to cancel the mark). Repeat this way to create your specific text list, then text play will go among these files.

5   During text playing, you can make use of **Text Menu Bar** to perform many functions. Press **INFO** button to call out the TEXT Menu Bar. Then use ◀ ▶ to select your desired function icon, press **OK** to fulfill the function. If the function icon has several options, repeatedly press **OK** to select it. To close it, press **INFO** again.

Electrical energy can perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. But IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARD.

◀ PrevPage NextPage Prev. Next Stop Music Playlist Info. ▶

The following describes every function icon on the Text Menu Bar.

Icon	Description
Prev Page / Next Page	**Page up/Page down. Also** you can directly press ◀◀/▶▶ on the remote for page up/down.
Prev. / Next	Go to the **previous/next**. **Also** you can directly press ◀◀/▶▶ on the remote for previous/next.
Stop	**Stop and exit**. **Also** you can directly press ■ on the remote for stop.
Music	**Play/Pause background music**. **Note:** You can make use of it to playback your marked compatible music file as background music during text display.
Playlist	**List of text files**. It will display a list of all marked compatible text files in current folder; if none marked, then all compatible text files in this folder. Press ▲ ▼ to move upward or downward, press **OK** to start playing from it. Press **EXIT** to exit the list.
Info.	Shows current file **information**. To exit, press **EXIT**.

Troubleshooting

If, after reading these operating instructions, you have additional questions related to the use of your television, please call the services center in your local area.

Before calling service, please check the symptoms and follow suggested solutions.

Remote Control

Problem	Possible Solutions
Remote control does not operate	• The batteries could be weak. Replace the batteries. • Check the orientation of the batteries. • Make sure the power cord is plugged in.

Video and Audio

Problem	Possible Solutions
No picture (screen not lit), No sound	• Make sure the power cord is plugged in. • Press POWER on the TV or on the remote control. • Try another channel; it could be station trouble.
Dark, poor or no picture (Screen lit), good sound	• Select a proper picture mode. • Adjust the brightness in the video setting. • Check the antenna/cable connections.
No color/dark picture/abnormal color	• Adjust the color saturation in the video setting.
Only snow and noise appear on the screen	• Check the antenna/cable connections. • Try another channel; it could be station trouble.
Dotted lines or stripes	• Adjust the antenna. • Move the TV away from noise sources such as cars, neon signs, or hair dryers.
Double images	• Using a highly directional outdoor antenna or a cable may solve the problem.
Good picture, no sound	• The sound may be muted. Press MUTE again to cancel.
Audio noise	• Communication problems may occur if infrared communication equipment (e.g., infrared cordless headphones) is used near the TV. Move the infrared communication equipment away from the TV until the noise is eliminated.

General

Problem	Possible Solutions
One or some channels can't be displayed	• These channels may be set skipped. You may cancel the skip setting through Programme Edit sub-menu or select them with 0-9 number buttons. • These channels may be locked or blocked, you may go to LOCK menu and set Lock System to Off.
Lost password	• You may use the super password (2580).
Some items can't be accessed	• If a setting option appears in gray, this indicates that the settings option is unavailable in current input mode.
TV cabinet creaks	• When the TV is in use, there is a natural rise in temperature, causing the cabinet to expand or contract and may be accompanied by a slight creaking noise. This is not a malfunction.
Remote control command is not effect in some cases.	• During the timing of USB device detection (i.e. when the TV is turned on with USB device connected, or when you plug in USB device during TV working), the TV may not act by remote control buttons in such case. Wait some time, then it is OK.
Control buttons do not operate	• Disconnect the power cord and wait for a few seconds. Then re-plug the power cord and turn on the unit again.
POWER button responds slowly after power is connected.	• When you push POWER SWITCH to power on the TV, in about 3 seconds the POWER button starts to respond after pressed.

Note: *If your problem is not solved, turn your unit off and then on again.*

Cautions: *Never attempt to repair a defective TV yourself.*

Specifications

Type:	Integrated Digital TV
Panel:	46" TFT LCD (with LED backlight)
Analogue TV system:	PAL-B/G (CCIR), NTSC(AV)
Digital TV system:	**Australia:** Compliant Standard: DVB-T, 7 MHz Bandwidth Video Decoding: MP@ML & MP @ HL Audio Decoding: Dolby® Digital, MPEG (I & II) Audio Sampling Rate: 32, 44.1, 48 kHz **New Zealand:** Compliant Standard: DVB-T , 8 MHz Bandwidth Video Decoding: H.264 AVC ,MPEG 2 MP@ML Audio Decoding: MPEG1 Layer II /Musicam,Dolby Digital (AC-3),MPEG-4 HE AAC Audio Sampling Rate: 32, 44.1, 48 kHz
Power Requirement:	AC 220-240 V, 50/60 Hz
Power Consumption:	250 W
Dimensions (W x H x D):	1101 (W) x 731 (H) x 243 (D)mm (stand included)
Weight:	18 kg (stand included)
Terminals:	Antenna in (1) AV in (1) COMPONENT in (1) D-Sub in (1) HDMI in (3) (HDMI 1 with ARC) RS-232 (1) Headphone (1) SPDIF optical out (1) USB port (1) MUSIC port (1, shared with PC IN AUDIO)

Note:

1. Design and specifications are subject to change without notice.

2. Weight and dimensions shown are approximate.

3. Specifications and external appearance may be changed for the sake of improvement.

Appendix: Installing the Stand

If the stand is provided, please read these instructions thoroughly before attempting this installation.
You must install your TV into the stand in order for it to stand upright on a cabinet or other flat surface. If you intend to mount your TV on a wall or other vertical surface, you must remove the stand column.

Cautions:

Make sure that you handle your TV very carefully when attempting assembly or removal of the stand. If you are not sure of your ability to do this, or of your ability to use the tools necessary to complete this job, refer to a professional installer or service personnel. The manufacturer is not responsible for any damages or injuries that occur due to mishandling or improper assembly.

When using a table or bench as an aid to assembly, make sure that you put down a soft cushion or covering to prevent accidental scratching or damage to your TV's finish.

The speaker is not intended to support the weight of your TV. Do not move or handle your TV by the speaker. This can cause damage to your TV that is not covered by the manufacturer's warranty.

Before attempting assembly or removal of the stand, unplug the AC power cord.

Installing the stand

Stand column

Stand

Secure with four screws
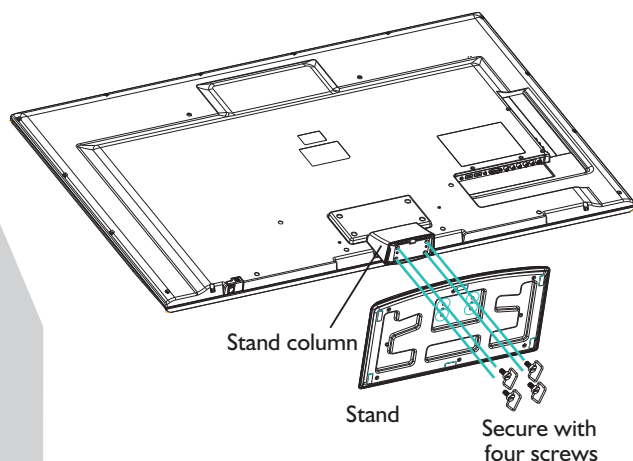
To install the stand:

1. Remove the stand from the box and place it on a table or bench.

   You must pay attention to the direction of the stand. The wide portion of the stand should go towards the front of the TV.

2. Lay your TV flat (screen down) on the edge of a table or bench. Make sure that you put down a soft cushion or cloth so that your TV is not scratched.

3. Put the stand close to the TV back, align the stand with the stand column by moving the stand steadily, and align the screw holes on the stand column with the holes in the stand, then secure the stand to the TV with provided screws .

   To remove the stand from the TV, perform these steps in reverse order.

NOTE:
The appearance of this product in these illustrations may differ from your actual product, and is for comparative purposes only.

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