OWNER'S MANUAL

Palsonic

80CM WIDE SCREEN LED-LCD TV / MONITOR
MODEL: TFTV325FL

C

N111

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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.

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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.
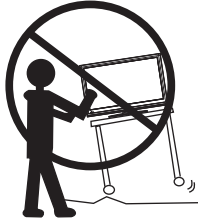
16.Careful move---When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. Sudden stops, excessive force and uneven floor surfaces can cause the product to fall from the trolley.

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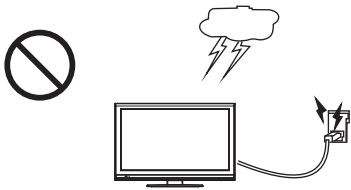
17. Lightning---Unplug this apparatus during lightning storms or when unused for long periods of time.

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.
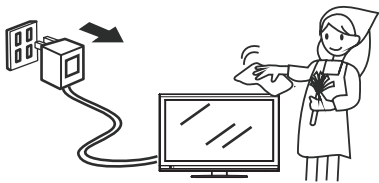
19. Clean only with dry cloth---Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
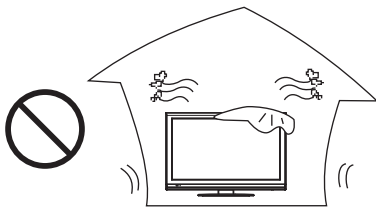
20. Ventilation---Do not block any ventilation openings. Install in accordance with the manufacturer instructions. The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten 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.
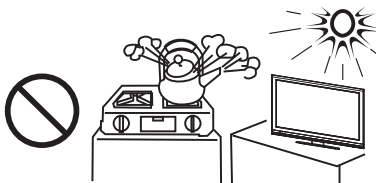
21.Heat sources---Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

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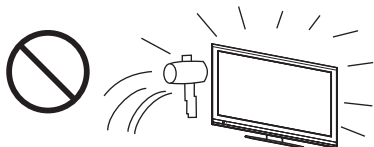
23.Pixel defect---The display panel is a very high technology product, giving you finely detailed pictures. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product.

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

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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.
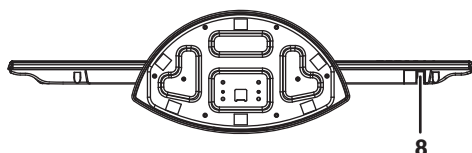
6

Main Unit (Front View/Bottom View/Back View)

■ Front View/Bottom View
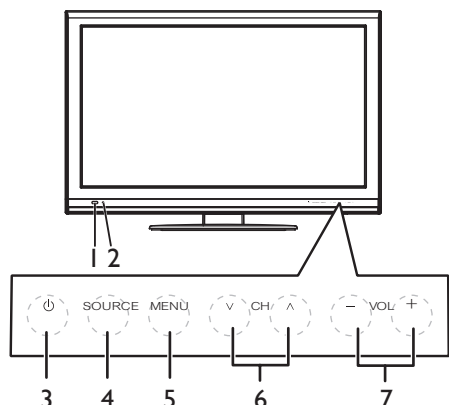
Note: *Buttons on the TV control panel (CH ∧ / ∨ , VOL+/-, MENU, SOURCE, POWER ⏻) are **touch** buttons. First touch of the button will illuminate it. Second touch will fulfill its function. **Be sure button presses must be quickly done before the illumination disappears.***

■ Back View

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. POWER⏻

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

4. SOURCE

To access **SOURCE** menu

5. MENU

Press this button to access the main menu screen.

6. CH ∧ / ∨

Press these two buttons to directly change the TV channel;

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

7. VOL+/−

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

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

8. Power Switch
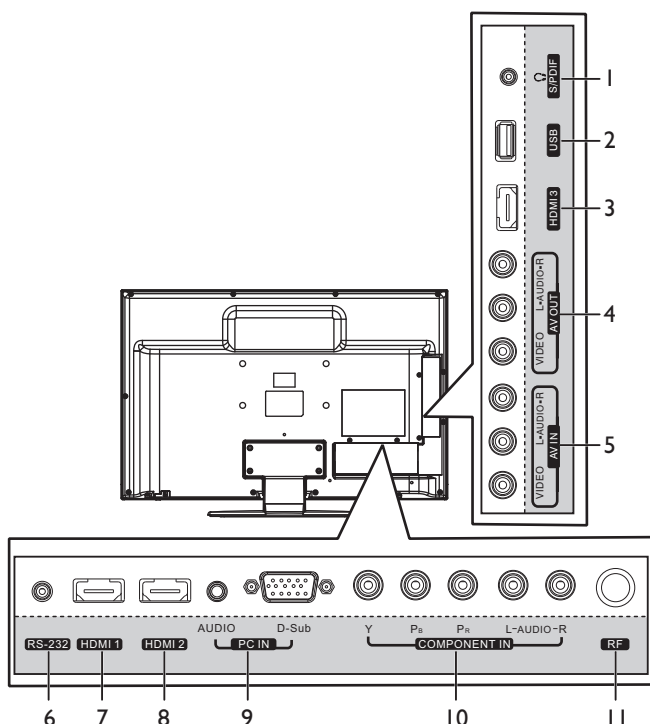
1. Headphone & S/PDIF:

Connect headphones to this jack.

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. AV OUTPUT: Connect a VCR to these jacks to record programs.

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

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

7. HDMI1: Connect an HDMI device to this jack.

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

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

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

11. RF: Connect an antenna to this jack.

Remote Control
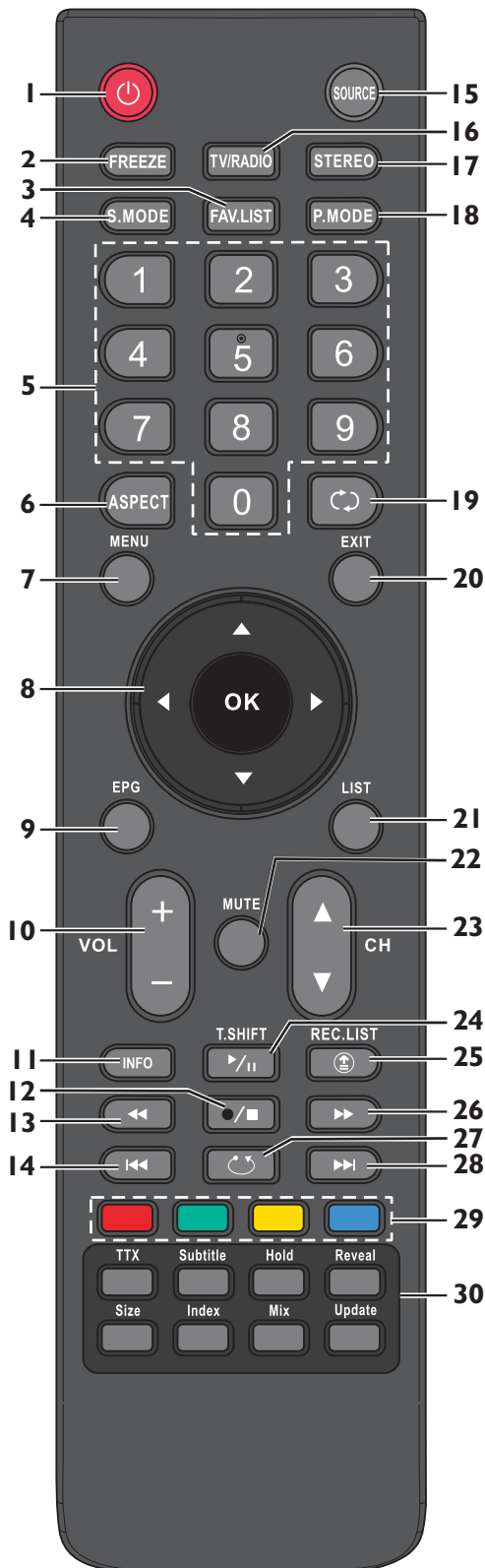
1. **POWER ⏻:** Switches the TV power on or Standby.

2. **FREEZE:** To freeze current picture.

3. **FAV.LIST:** Displays the favourite channel list.

4. **S.MODE:** Selects sound mode.

5. **0 – 9 number buttons:** Press to enter channel numbers or input password.

6. **ASPECT:** Selects the screen aspect ratio.

7. **MENU:** Displays the main menu screen.

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

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

10. **VOL+/–:** Increases or decreases the volume.

11. **INFO:** Displays the information banner.

12. **●/■: INSTANT RECORD/STOP** button (PVR recording)

13. **◀◀: Fast reverse**

14. **I◀◀: Previous**

15. **SOURCE:** Displays input source menu.

16. **TV/RADIO:** Switches between TV and Radio mode. (DTV only)

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

18. **P.MODE:** Selects picture mode.

19. **↻: Returns to the previous channel.**

20. **EXIT:** Exits the menu screen.

21. **LIST:** Displays the channel list.

22. **MUTE:** Press to mute the sound. Press again to restore the sound.

23. **CH ▲ / ▼ :** Changes channel up and down.

24. **T.SHIFT(▶/❙❙): time shift** button;

   Play/Pause button (when in time shifting or USB Media Play)

25. **REC.LIST(⏏)** button: Shows Recorded List; **BACK** button (USB Media Play)

26. **▶▶: Fast forward**

27. **↻: Repeat mode** select (USB Media Play)

28. **▶▶I: Next**

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

30. **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)

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Installing and removing 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.

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.

Table edge

Stand column

Stand

Table edge

Secure with four screws
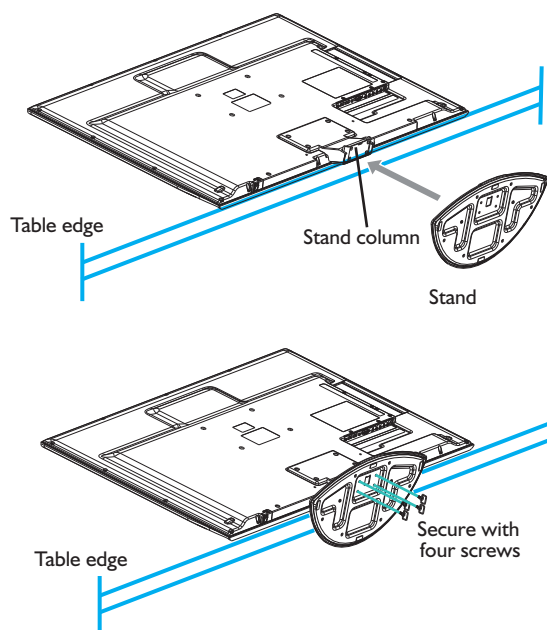
NOTE:

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

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Using the Remote Control

■ 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

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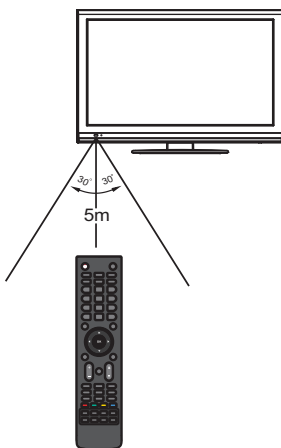
Use the remote control by pointing it towards the remote sensor on the front of your TV. Objects between the remote control and the remote sensor may prevent proper operation.

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.

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Before you make any 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 connections
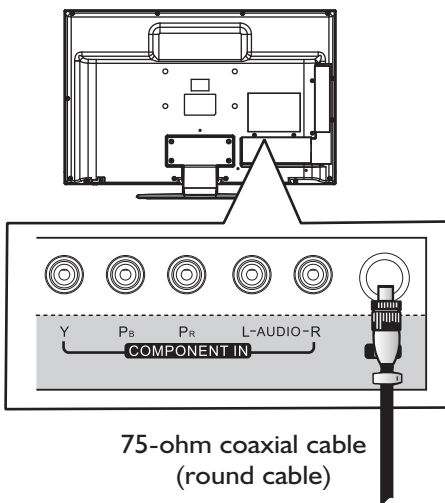
- Connect one end of your antenna cable to the **RF** jack on the back of the TV, then connect the other end of the cable to the antenna wall jack.

Y   P_B   P_R   L–AUDIO–R
COMPONENT IN

75-ohm coaxial cable
(round cable)

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
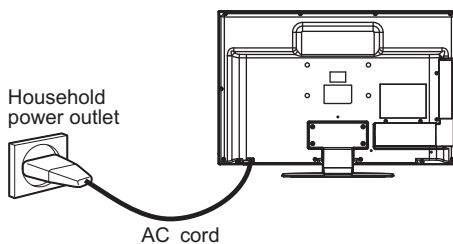
Connect the power cord to a power outlet.

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.*

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Headphone connection
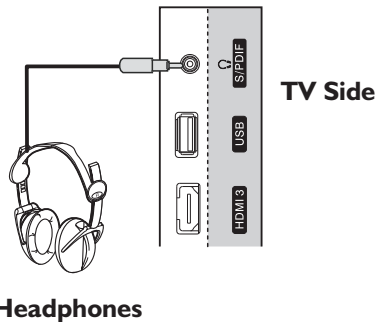
To connect headphones:

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.

TV Side

Headphones

USB connection
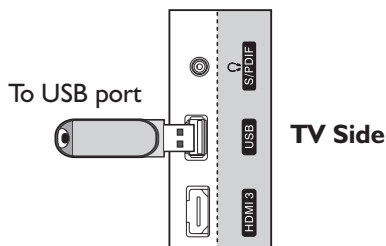
Insert your USB device into the USB port.

To USB port

TV Side

To play from the USB device:

1. Turn on your TV, then press **SOURCE** 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.

Digital sound system connection
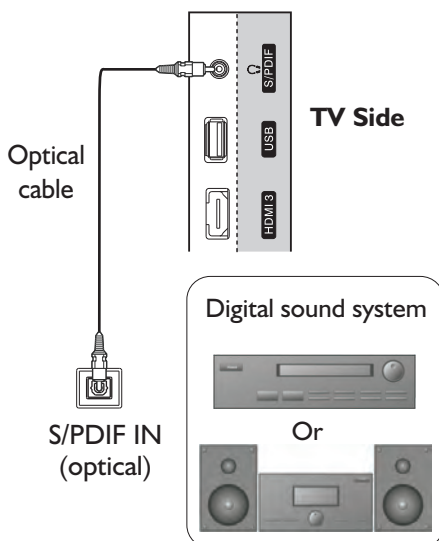
For a full Home Theater sound experience, you must connect your digital sound system to the S/PDIF OUT(Mini-TOSLINK) jack on the TV.

TV Side

Optical
cable

Digital sound system

Or

S/PDIF IN
(optical)

Note:

- **To connect to the S/PDIF OUT (Mini-TOSLINK) jack, a Mini-TOSLINK adapter is required to connect an Optical Cable to this jack.**
- The headphone output and S/PDIF OUT share the same jack. So when you want to use S/PDIF, please disconnect your headphone, and vice versa.

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HDMI device connection

TV REAR

HDMI cable

HDMI OUT
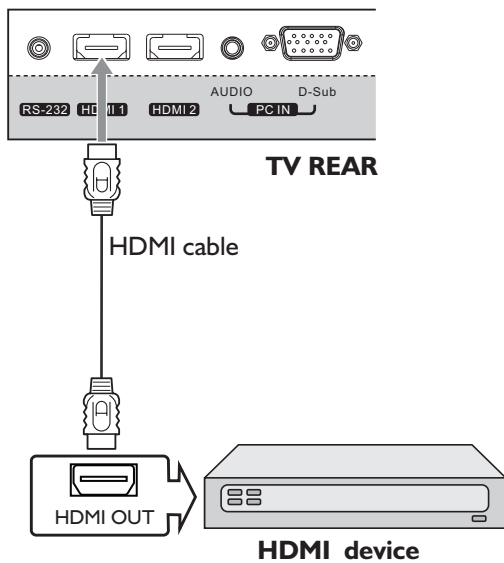
HDMI device

How to connect an HDMI device:

Connect the HDMI cable between the HDMI jack on the TV (HDMI1 and HDMI2 located at TV rear, while 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 **SOURCE** 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 terminal. Connect the audio cable to the PC IN AUDIO jack on the TV rear.

Component Video device connection

DVD Player, etc.

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

Component video cable   Audio cable

TV REAR
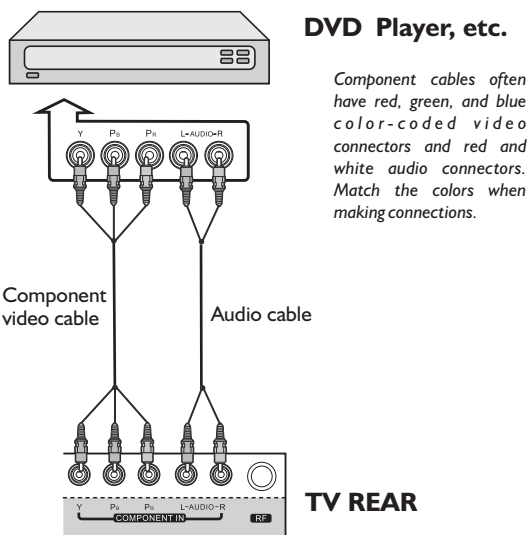
To connect a component video device:

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 **SOURCE** 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.

Computer connection

TV REAR

To monitor port (15-pin D-Sub)

D-Sub cable

Audio cable

To audio output jack
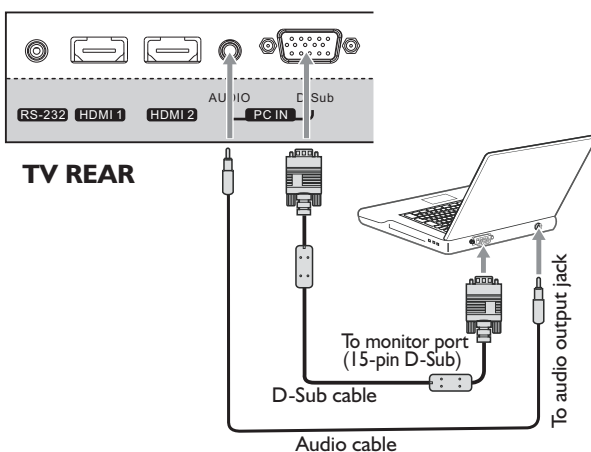
To connect a computer:

Connect a D-SUB(VGA) 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 **SOURCE** 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.

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AV device connection (for playback)

Cables are often color-coded to connectors. Connect yellow to yellow, red to red, white to white.
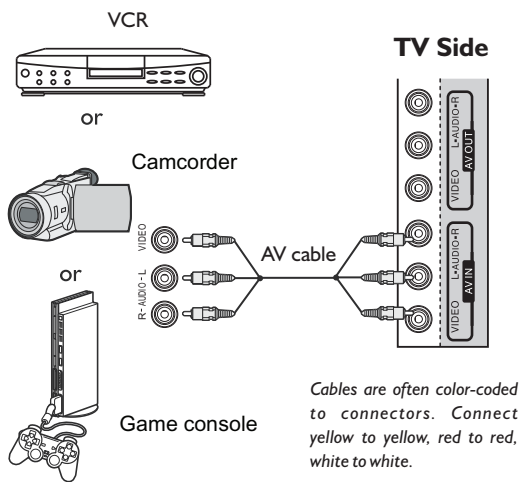
To connect an AV device (such as VCR, camcorder, or game console) :

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

To play the AV device:

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

2. Press ⏶ or ⏷ to select **AV**, then press **OK** to confirm.

3. Turn on your VCR , insert a videotape and press the **Play** button.

VCR connection (for recording)
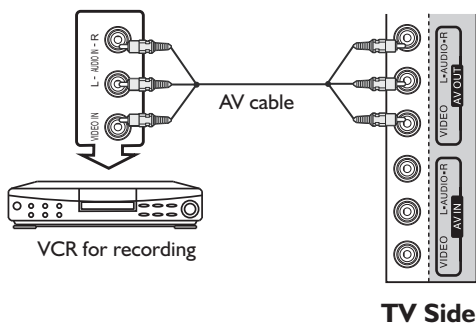
To connect a VCR for recording

Connect an AV cable to the AV OUT jacks on the side of your TV and to the AV IN jacks on the back of the VCR.

To record a program:

1. Turn on your TV, then select the programme you want to record.

2. Turn on your VCR , then insert a videotape.

3. Press **RECORD** on your VCR to start the recording.

Note: Only TV and AV programs can be recorded.

14

First Time Configuration/Basic Operations

Initial setup

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 properly, and have connected the AC power.

```
            Installation Guide

   OSD Language      ◄     English     ►
   Channel Tuning                       ➤


        OK  Start              Exit  Exit
```

```
         Channel  Tuning

    2  %...    78.50MHz   ATV
   ■━━━━━━━━━━━━━━━━━━━
   ATV   : 2  Programme(s)
   DTV   : 0  Programme(s)
   Radio : 0  Programme(s)


   Press <Menu> to skip.
   Press <Exit> to exit.
```
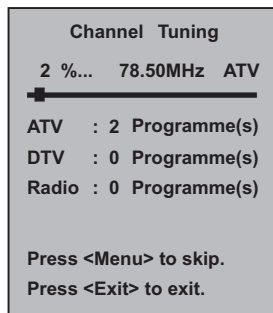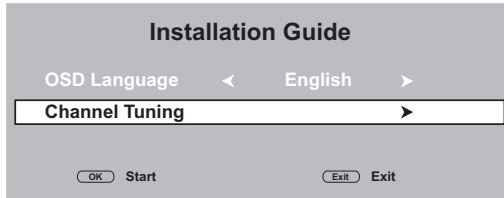
2 Press the **Power Switch** on the TV, then press **POWER** to turn on the TV.

3 Now the **Installation Guide** screen appears with **Channel Tuning** highlighted. Press **OK** to begin the auto tuning for all available channels, first for ATV then DTV (including Radio) 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.

Note: During ATV tuning, if you want to skip it and go to DTV tuning, press **MENU**. To exit tuning, press **EXIT**.

Turning the TV on or off
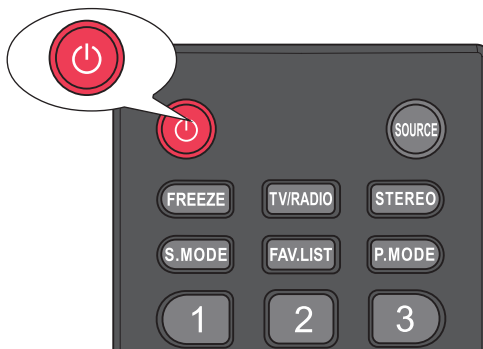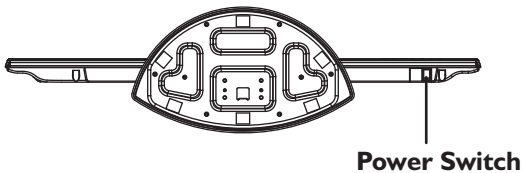
Power Switch

To turn the TV on or off:

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

2 Now the set is in standby mode. **Wait some seconds** until the power indicator lights up, then press **POWER** to turn on the TV. (Be sure to wait some seconds before pressing POWER button. If you promptly press POWER button then the TV may not respond or act wrongly.)

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. To save power, 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 automatically.

15

Input Source Selection

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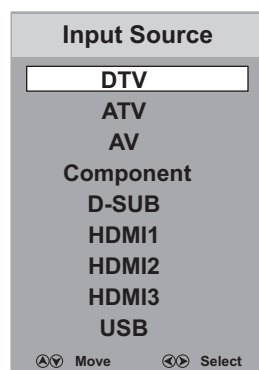
To select the input source:

1 Press **SOURCE** 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
```

```
Channel List
─────────────
TV  1 S-03
TV  2 C-42
TV  3 S-04
TV  4 C-04




⊙⊙ 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**.

● To go to the previous channel viewed, press ↻ .
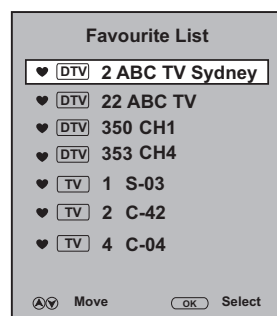
Analogue programme selection

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**.

● To go to the previous channel viewed, press ↻ .
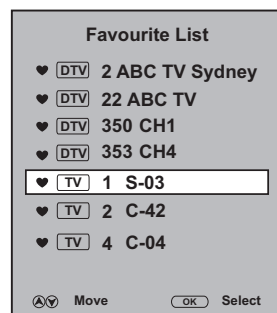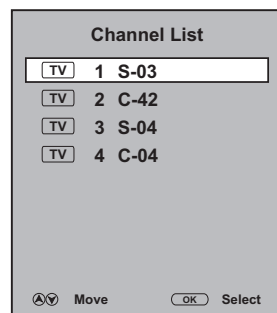
Volume adjusment

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.

Displaying program information

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. Below figure is an example banner in DTV mode.
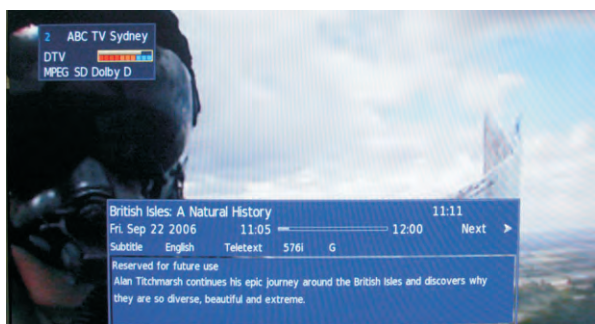
In DTV mode, the information banner may contain:

- 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 (G, PG, M, MA, etc.)

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.*

Using the EPG   *- 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.

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 (To quickly navigate among the list, press **RED** button to go to previous day list and **GREEN** button to next day list), and press **INFO** button to get more detailed information (if available) about the programme you choose.

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

Note:

- The above OSD is only served as an example. The availability of EPG information depends upon the broadcaster.
- To enable EPG to work properly, it is suggested to set the appropriate time zone.

17

On-screen menu overview

■ **List of main menus to help you with operations**

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 ►
Hearing Impaired	◄ Off ►
S/PDIF Output	◄ AUTO ►
Audio Preference	◄ Dolby Digital ►
Audio Only	◄ Normal ►

◄► 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	►

◄► SELECT   ▲▼ MOVE   (MENU) RETURN

CHANNEL menu

Picture	Sound	Time	Option	Lock	Channel

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

◄► 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.*

■ **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**.

18

Memorizing the Channels

Note: If the **Lock System** is **On**, **Auto Tuning/DTV manual tuning/ATV manual tuning** can not be operated without password. For details, please see <**Setting Child and Rating Locks**> section.
When in PVR recording/time shifting, **Channel** menu can not be accessed.

Auto Tuning

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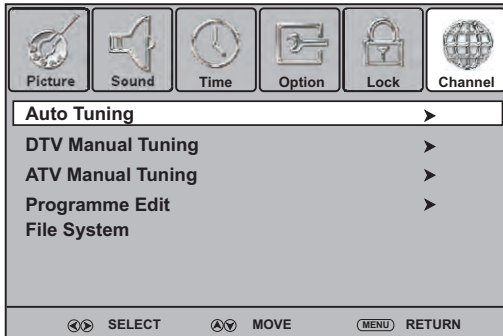
Note:
As new services are broadcast, it will be necessary to retune the TV in order to view them.

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 **Australia** as default country and **Start** is highlighted. Now 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 -*

This feature is available for service engineers or can be used for direct channel entry if the multiplex channel is known.
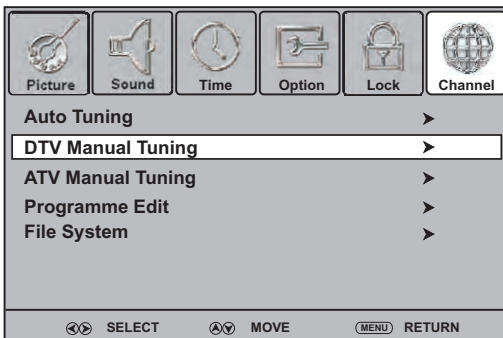
1 In **Channel** menu, press ▼ or ▲ to select **DTV Manual Tuning**, then press ▶ or **OK** to access.

2 Highlight **UHF CH** item, press ◀ or ▶ button to select your desired multiplex number.

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.

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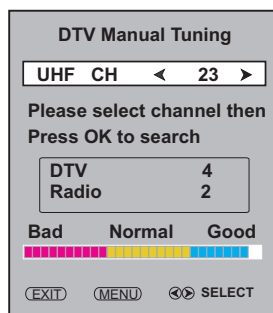
ATV manual tuning - *analogue only* -

```
┌─────────────────────────────────────────────┐
│ [Picture] [Sound] [Time] [Option] [Lock] [Channel] │
│  Picture  Sound  Time  Option  Lock  Channel  │
│                                               │
│ Auto Tuning                          ➤        │
│ DTV Manual Tuning                    ➤        │
│ ATV Manual Tuning                    ➤        │
│ Programme Edit                       ➤        │
│ File System                          ➤        │
│                                               │
│  ◀▶ SELECT    ▲▼ MOVE   (MENU) RETURN        │
└─────────────────────────────────────────────┘
```

```
┌──────────────────────────────┐
│     ATV Manual Tuning         │
│                               │
│  Storage To          11       │
│  System              BG       │
│  Current CH          C-02     │
│  Search            ◀  ▶       │
│  Fine-Tune         ◀  ▶       │
│  Frequency      445.25 MHz    │
│                               │
│  (EXIT) (SAVE)   ◀▶ SELECT    │
└──────────────────────────────┘
```
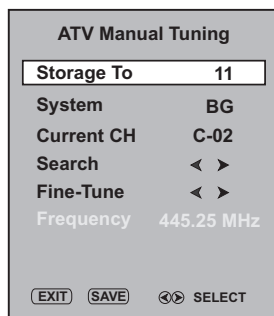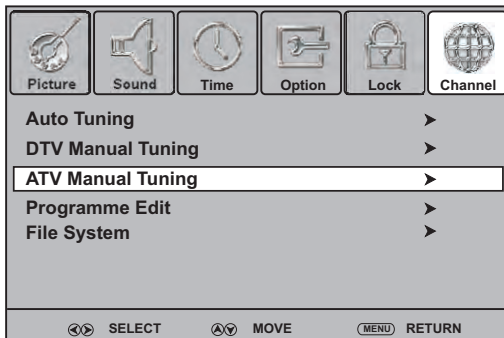
Use the Manual Tuning operation if desired channels can not be preset by Auto Tuning or if you would like to preset channels to specific position numbers one by one.

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. Fine-Tune: Manual fine tuning.

Press ◀ or ▶ until better picture and sound are obtained.

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

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

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

Adding or changing a channel label
- *analogue only* -

```
┌─────────────────────────────────────────────┐
│ [Picture] [Sound] [Time] [Option] [Lock] [Channel] │
│  Picture  Sound  Time  Option  Lock  Channel  │
│                                               │
│ Auto Tuning                          ➤        │
│ DTV Manual Tuning                    ➤        │
│ ATV Manual Tuning                    ➤        │
│ Programme Edit                       ➤        │
│ File System                          ➤        │
│                                               │
│  ◀▶ SELECT    ▲▼ MOVE   (MENU) RETURN        │
└─────────────────────────────────────────────┘
```

```
┌──────────────────────────────┐
│      Programme Edit           │
│                               │
│  [TV]  1  S-03                │
│  [TV]  2  C-42                │
│  [TV]  3  S-04                │
│  [TV]  4  C-04                │
│                               │
│                               │
│ (DEL) (NAME) (MOVE) (SKIP) (Fav.List) │
└──────────────────────────────┘
```
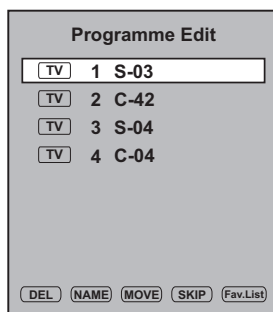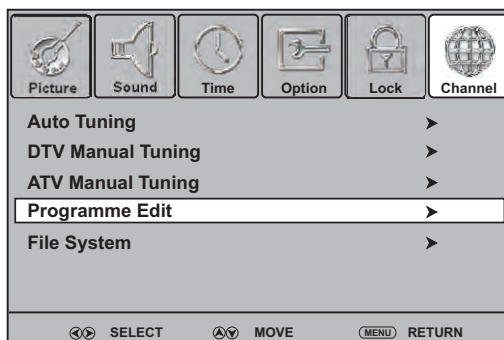
If a channel is not already labeled, you can label the channel to make it easier to identify. You can also relabel a channel that is already labeled.

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.

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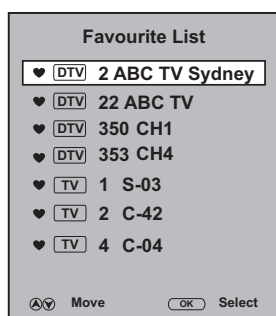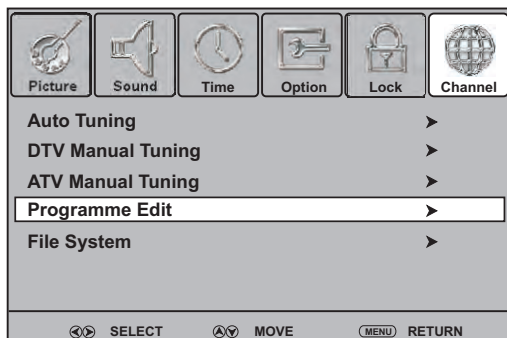
You can create a favourite channel list so you can quickly browse through your favourite channels by pressing **FAV.LIST**, then selecting a channel from the favourite channel list.

| Picture | Sound | Time | Option | Lock | Channel |

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

◀▶ SELECT ▲▼ MOVE (MENU) RETURN

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

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.

Reorder/rearrange channels

- analogue only -
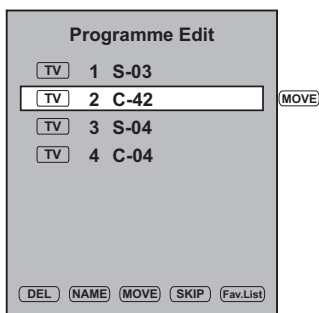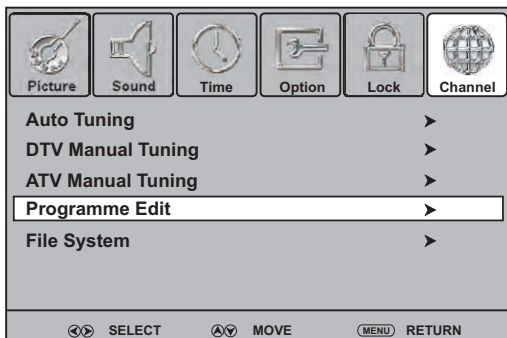
ATV channels can be arranged in your favourite order.

| Picture | Sound | Time | Option | Lock | Channel |

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

◀▶ SELECT ▲▼ MOVE (MENU) RETURN

Programme Edit

TV 1 S-03
TV 2 C-42 (MOVE)
TV 3 S-04
TV 4 C-04

(DEL) (NAME) (MOVE) (SKIP) (Fav.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 a channel you want to move.

3 Press **YELLOW** button and a move symbol appears alongside the selected channel 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	➤
File System	➤

◄► SELECT   ▲▼ MOVE   MENU RETURN

Programme Edit

TV	1	S-03	
TV	2	C-42	SKIP
TV	3	S-04	
TV	4	C-04	

DEL   NAME   MOVE   SKIP   Fav.List

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	➤
File System	➤

◄► SELECT   ▲▼ MOVE   MENU RETURN

Programme Edit

TV	1	S-03	
TV	2	C-42	DEL
TV	3	S-04	
TV	4	C-04	

DEL   NAME   MOVE   SKIP   Fav.List
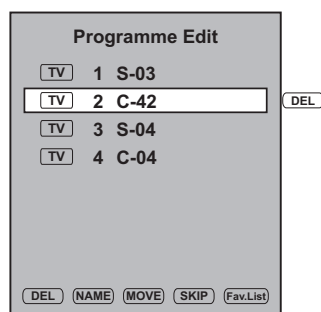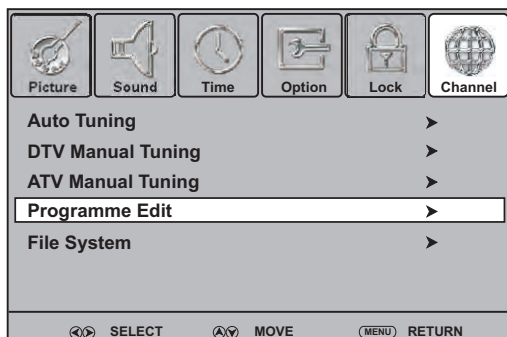
You can delete your unwanted channels from the channel list. After deleting, you can not find them unless you perform a new channel search.
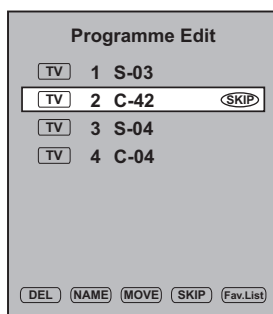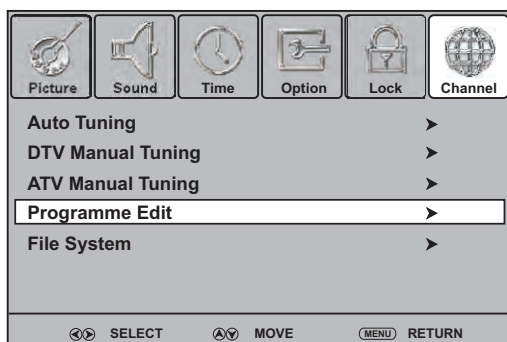
1 Navigate to the **Channel** menu, press ▲ or ▼ to select **Programme Edit**, press ► or **OK** to open the **Programme Edit** menu.

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
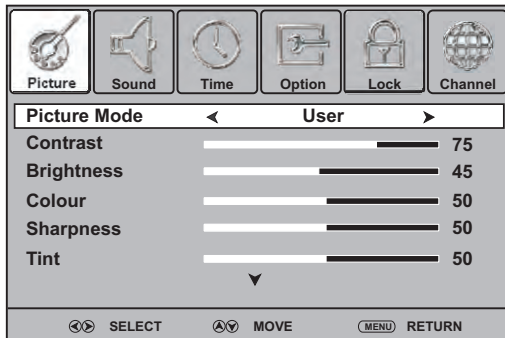
Press ▼ or ▲ to scroll the menu
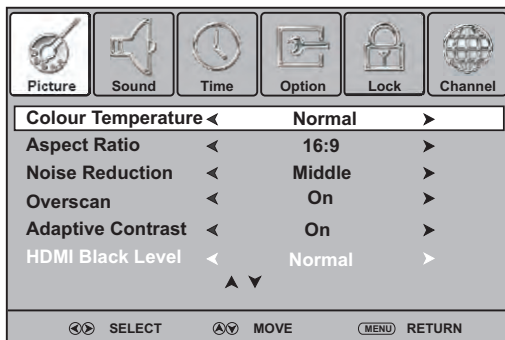
In D-SUB mode, press ▼ to scroll to next screen
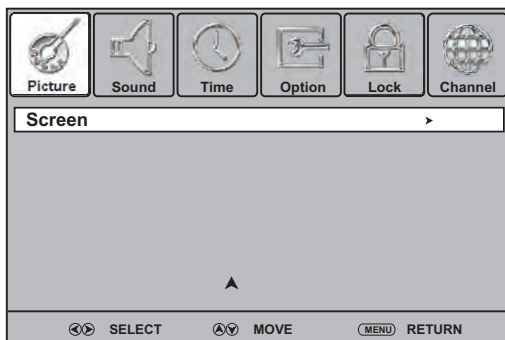
Freezing the picture

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.*

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)
 - . **Standard** (a standard picture)
  - . **Mild** (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)
- **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.
  - . **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 only) — Displays an input source without scaling it (This option is available on either of these two conditions: ① native resolution:1920x1080, input resolution:1920 x 1080p; ②native resolution:1366x768, input resolution:1360 x768).

Note: You can also press **ASPECT** 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 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.

23

Adjusting the Sound

Adjusting the sound
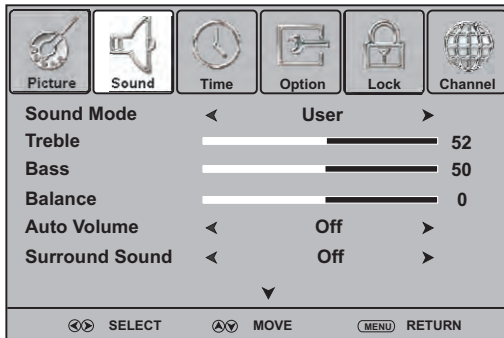
Press ▼ or ▲ to scroll the menu
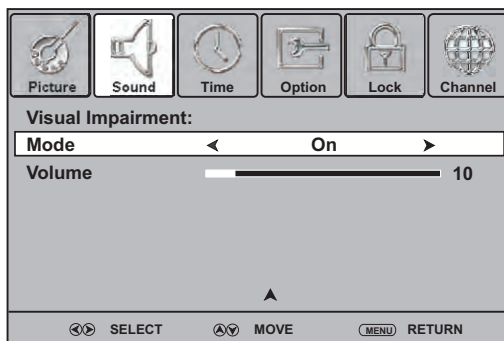
To adjust the sound:

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.

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 **Dual** 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.
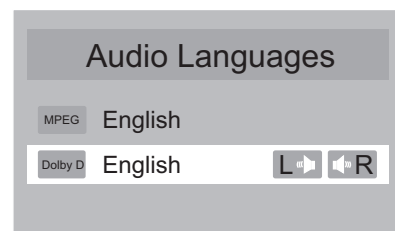
Note: *The availability of these additional "multi-tracks" depends upon the broadcaster.*

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Adjusting basic settings

Picture	Sound	Time	Option	Lock	Channel

OSD Language	◄ English ►	
Hearing Impaired	◄ Off ►	
S/PDIF Output	◄ AUTO ►	
Audio Preference	◄ Dolby Digital ►	
Audio Only	◄ Normal ►	

◄► SELECT   ▲▼ MOVE   (MENU) RETURN
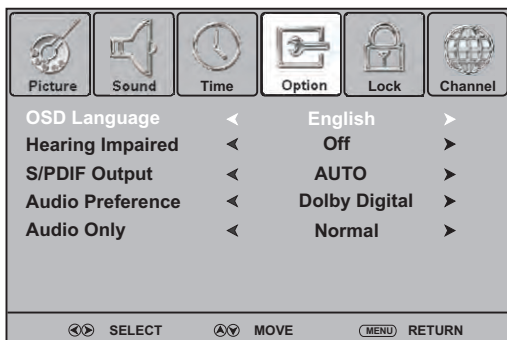
To adjust basic settings:

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.

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.
- **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

- **Audio Only** — When listening to radio programs, or listening to MP3 music (under 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.

Adjusting the Computer Image *- PC only -*

Picture	Sound	Time	Option	Lock	Channel

Screen	►

◄► SELECT   ▲▼ MOVE   (MENU) RETURN

Picture	Sound	Time	Option	Lock	Channel

Auto Adjust		►
Horizontal Pos.	▭▭▭	50
Vertical Pos.	▭▭▭	50
Size	▭▭▭	50
Phase	▭▭▭	60

◄► SELECT   ▲▼ MOVE   (MENU) RETURN
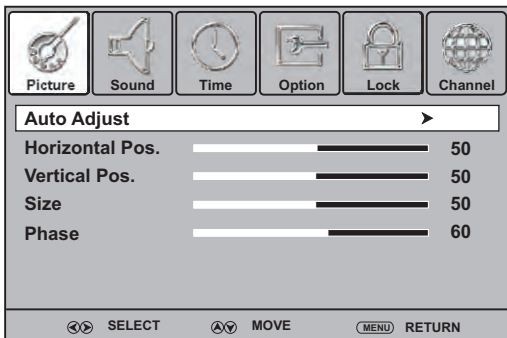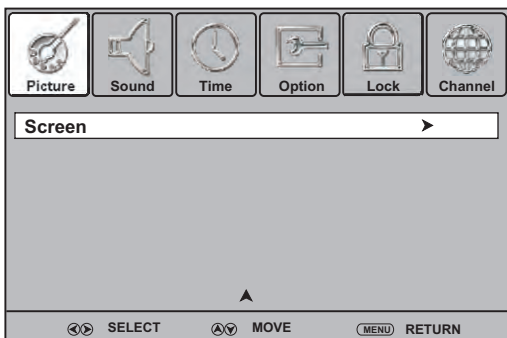
Before adjusting the screen, make sure that you select the correct source (D-SUB).

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.

25

Setting Clock & Timer

Setting TV clock

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

Clock | -- -- -- -- --
Off Time | Off
On Time | Off
Sleep Timer | ◄ Off
Auto Sleep | ◄ Off
Time Zone | ◄ NSW/ACT GMT+1

Date | ◄ 01 ►
Month | ◄ Jan ►
Year | ◄ 2011 ►
Hour | ◄ 15 ►
Minute | ◄ 30 ►
Close

SELECT | MOVE | MENU RETURN
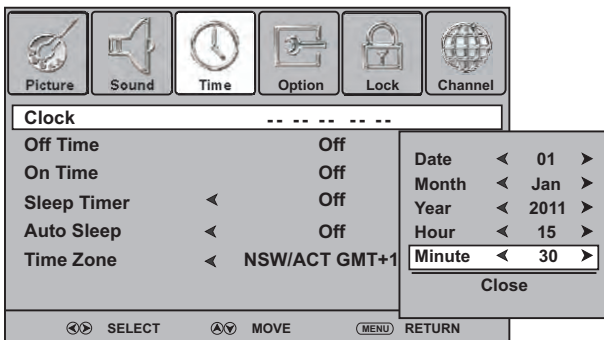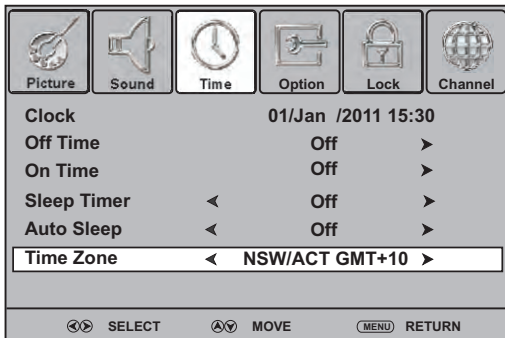
To set TV clock

– 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.

– 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

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

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

SELECT | MOVE | MENU RETURN
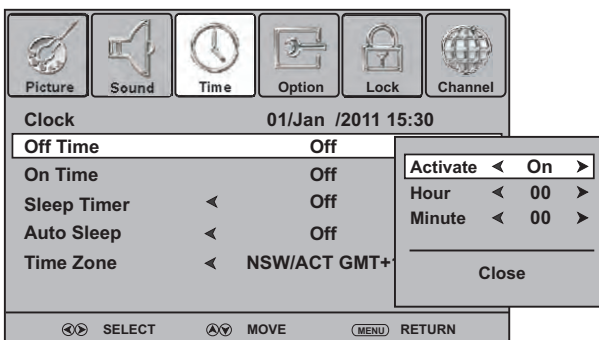
To set OFF timer

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 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:
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
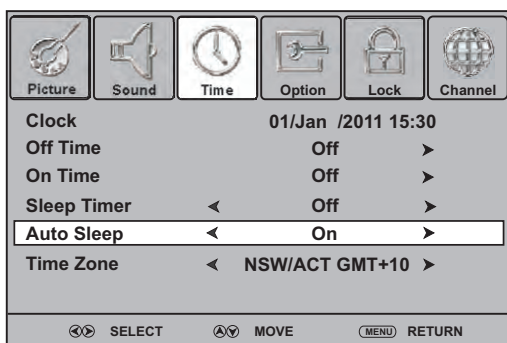
To set Auto Sleep

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(

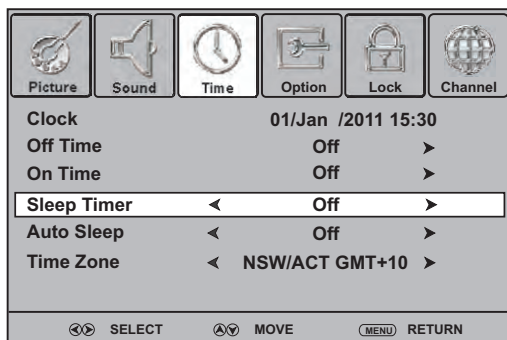| Activate	◄	On	►
Hour	◄	00	►
Minute	◄	00	►
Volume	◄	30	►
Source	◄	DTV	►
Channel	◄	10	►
Close			

◄◌► SELECT   ⊗⊗ MOVE   (MENU) RETURN
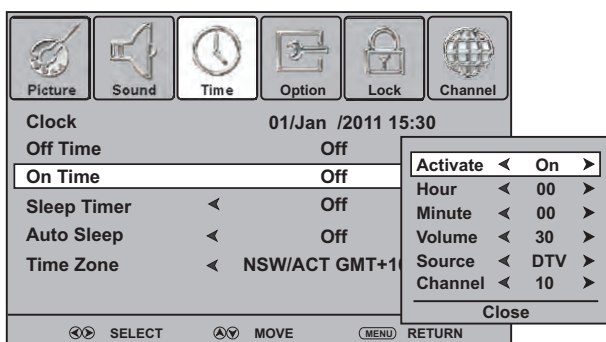
To set ON timer

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, 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.
- **Source:** Sets the 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.

27

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 **auto tuning/manual tuning** 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 Passw
Block Pro
Parental G
Restore F

Please enter password
— -- -- --

◄► SELECT   ▲▼ MOVE   MENU RETURN

Picture | Sound | Time | Option | Lock | Channel

Lock System ◄ Off ►
Set Passw
Block Pro
Parental G
Restore F

Please enter password
New   – -- -- –
Confirm   – -- -- –

◄► SELECT   ▲▼ MOVE   MENU RETURN
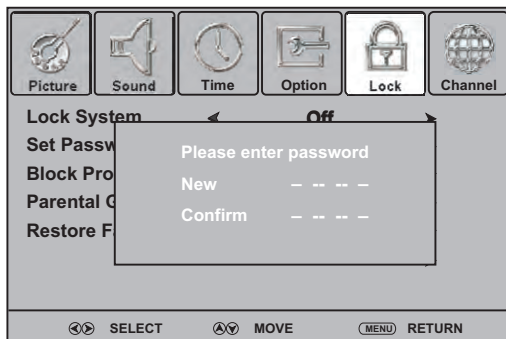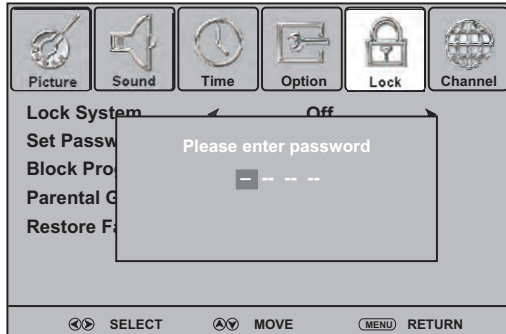
To set or change the child lock password

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   ◄   On   ►
Set Password   ►
Block Programme   ►
Parental Guidance ◄   No Block   ►
Restore Factory Default   ►

◄► 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
OK Select   LOCK
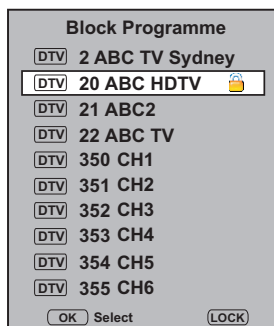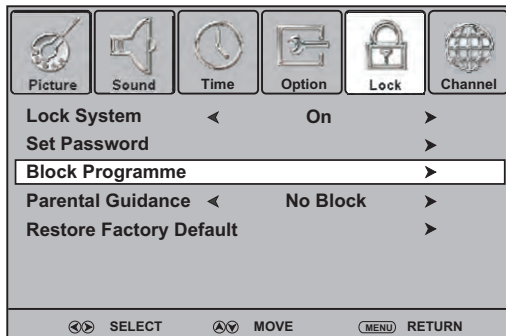
To lock or unlock the TV programmes

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.

28

Setting parental ratings   *- digital only -*

| Picture | Sound | Time | Option | Lock | Channel |

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

◄�‣ SELECT   ▲▼ MOVE   (MENU) RETURN

G (General Audiences): Content not offensive to most viewers.
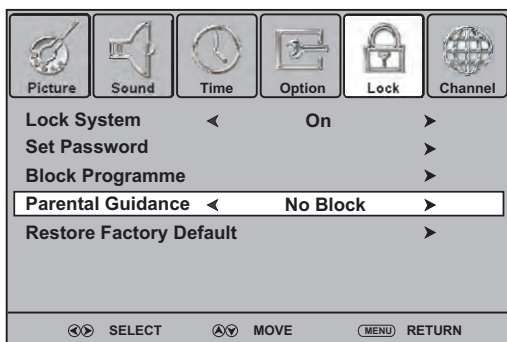
PG (Parental Guidance Suggested): Content is such that parents may not want their children to view the programme.

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.

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:
- **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**

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
Set Passwor
Block Progra
Parental Gui   **Are you sure?**
Restore Fact
                 Yes   No

◄◣ SELECT   ▲▼ MOVE   (MENU) RETURN
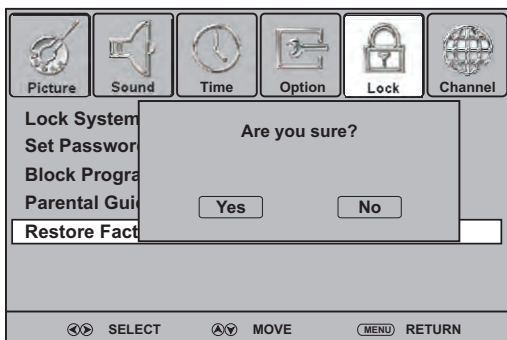
To restore factory default

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 Use ◄ or ‣ to select between **YES** (to reset) or **NO** (to cancel) item, and press **OK** to confirm.

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

PVR recording - digital only -

This TV provides **PVR (personal video recorder) recording** function, which allows the viewer to pause and rewind any DTV program (that is, time shifting function), as well as record and play back selected programs. The program content will be recorded in a digital format onto an external memory device (such as USB device, memory card, or other mass storage device).

Below all operations in this section require the external memory device be connected with the TV. Otherwise the operation can not be done.

Before proceeding, please **pay attention to** the following **notes**.

- **Before PVR recording, you need to check the external memory device's File System successfully.**

- **Do not disconnect** the memory device from the TV while recording, or the data will be lost.

- During recording, a directory will be automatically created at the external memory device to temporarily save the data.

- The recorded contents cannot be played on any other product or computer, it also can not be played on the TV through the USB input source.

- **Important Copyright Information: Unauthorized use, copying, distribution, broadcasting, public performance, lending or revision of the recorded TV programs are prohibited. Please refer to your local area copyright laws for more details.**

- The recorder once in time shift mode will continue recording what you are watching and overwrite any information already on the memory device.

- If malfunction, then information already on the memory device may lose. So please back up your memory device data.

- When Time Shifting, the external memory device need to write and read data simultaneously. So during the process it may occur slight picture/sound pause or standstill depending on the memory device's speed and stability.

- After recording, you can connect the memory device to your PC to delete temporary data or format a partition to completely clear those unnecessary data.

- Certain types of memory device (such as some USB devices) may not be compatible with this TV.

■ Checking file system of the external memory device
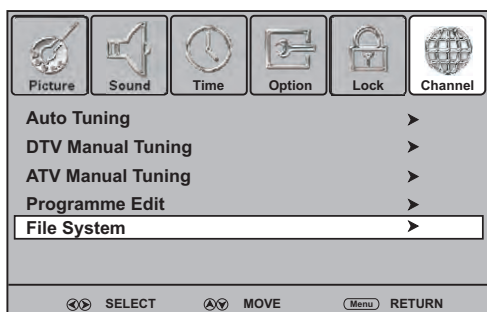
To check PVR File System

1 Connect your USB device or portable hard disk to the USB port on TV side firstly.

2 Navigate to **CHANNEL-File System** menu to check **file system**.

(Press **MENU**, then use ◀ or ▶ to select **CHANNEL** menu, press ▼ to access. Press ▲ or ▼ to highlight **File System**, then press ▶ to access.) Now do the following to check file system.

A. Set Record Time
From **File System** menu, highlight **Record Time**, press ◀ or ▶ to set the recording length of time (**PVR RECORD ALL, 1Hr ~ 6Hr** can be selected).
(**Note:** The record time also depends on your timer setting through the EPG and your disk space. If the recording timer setting is shorter, then the timer setting has priority over the **Record Time** setting at the **File System** menu)

B. Select Disk:
From **File System** menu, highlight **Select Disk**, press ▶ to access.
Use ◀ or ▶ to select a disk, then move the highlight to **OK** box and press **OK** to confirm. (To cancel, select **EXIT** to exit).
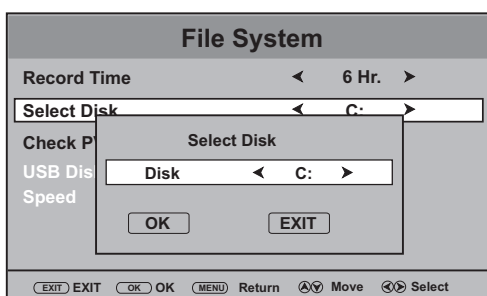
(Instructions continue on the next page)

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PVR recording - digital only -

File System

Record Time	◄ 6 Hr. ►
Select Disk	◄ C: ►
Check PVR File System	Start
USB Disk	
Speed	

EXIT EXIT   OK OK   MENU Return   ▲▼ Move   ◄► Select

▼

File System

Record Time	◄ 6 Hr. ►
Select Disk	◄ C: ►

Create partition
Create disk partition.
Warning! All data will be lost.
Start   Exit

EXIT EXIT   OK OK   MENU Return   ▲▼ Move   ◄► Select

▼

File System

Record Time	◄ 6 Hr. ►
Select Disk	◄ C: ►

File System Size
PVR File System Type   Hi Speed FS
PVR File System Size   All
SD 294 Mins   HD 84 Mins
OK   EXIT

EXIT EXIT   OK OK   MENU Return   ▲▼ Move   ◄► Select

▼

File System

Record Time	◄ 6 Hr. ►
Select Disk	◄ C: ►

Format Disk
Do not unplug USB device.
Create PVR file system, please wait.

EXIT EXIT   OK OK   MENU Return   ▲▼ Move   ◄► Select

▼

File System

Record Time	◄ 6 Hr. ►
Select Disk	◄ C: ►

Time Shift Size
Time Shift Disk Size   5 GB
SD 80 Mins   HD 25 Mins
OK   EXIT

EXIT EXIT   OK OK   MENU Return   ▲▼ Move   ◄► Select

▼

File System

Record Time	◄ 6 Hr. ►
Select Disk	◄ C: ►
Check PVR File System	Checking
USB Disk	Pass
Speed	Checking

EXIT EXIT   OK OK   MENU Return   ▲▼ Move   ◄► Select

►

File System

Record Time	◄ 6 Hr. ►
Select Disk	◄ C: ►
Check PVR File System	SUCCESS
USB Disk	Pass
Speed	●●●●● 5112KB/s
	HD support

EXIT EXIT   OK OK   MENU Return   ▲▼ Move   ◄► Select

C. Check PVR File System

1. From **File System** menu, highlight **Check PVR File System**, press **OK** to start.

2. Now a dialogue box appears prompting you to start to **create disk partition**. Highlight **Start** and press **OK** to proceed to format the disk, all data will be lost. (Or select **Exit** to abandon and exit)

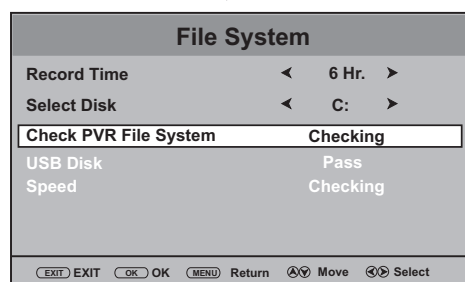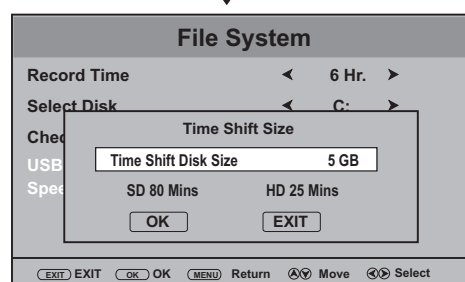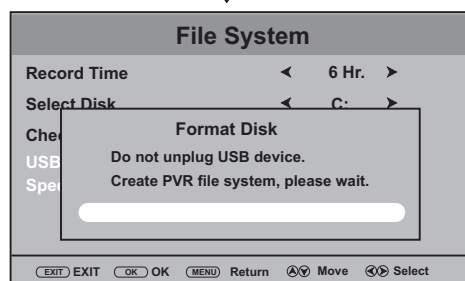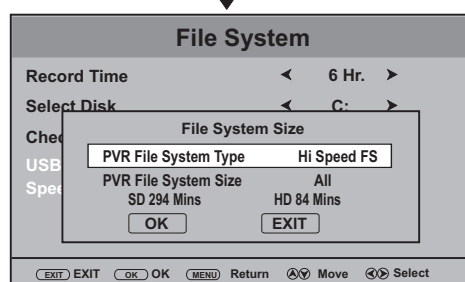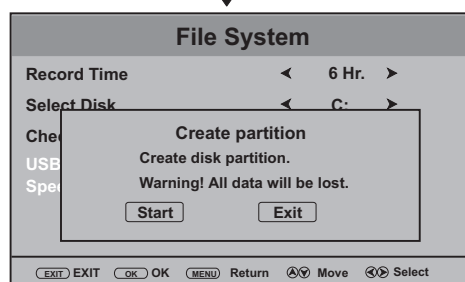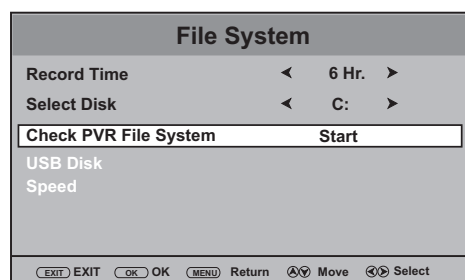**3.** Now **File System Size** screen pops up with **PVR File System Type** highlighted. **Hi Speed FS** (select for high recording speed) and **FAT32** can be selected with ◄ or ► button. **(Note: If Hi Speed FS is chosen, it will occupy disk space based on your PVR File System Size setting, while FAT32 will not)**

● If **Hi Speed FS** is choosed, then press ▼ to highlight **PVR File System Size**, use ◄ or ► to select a size (the greater the size, the longer you can make recording). The next line will show the recording time allowed (for example, if shows "SD 294 Mins,   HD 84 Mins", that means recording SD programs can last 294 minutes, while for HD programs, only 84 minutes is allowed at your disk) . Then highlight **OK** and press **OK** to start formatting the disk. The format may take several minutes, please wait. When finished, **Time Shift Size** setting screen will pop up.

● If **FAT32** is choosed, then **PVR File System Size** can not be set. The screen will show the recording time allowed. Highlight **OK** and press **OK** to start formatting the disk. The format may take several minutes, please wait. When finished, it starts to check recording speed.

4. After you choosed Hi Speed FS and set size and the format is finished, the **Time Shift Size** screen pops up. Use ◄ or ► to set **Time Shift size** for time shifting (the time shift size ranges from 512MB to 8GB, the greater the size, the longer the duration allowed for time shifting), then highlight **OK** and press **OK** to proceed to check recording speed.

Checking speed may take several minutes, please wait. When finished, if **SUCCESS** appears at the **Check PVR File System** line then you can start PVR recording function.

(At File System menu bottom screen, USB Disk state and speed information will appear, they can not be adjusted)

Note:
● After PVR File System checking, if "**SD Fail**" appears on the screen, that indicates this external memory device is not suitable to be used for recording, please replace with other one and try it again. If "**SD Support**" appears, that means this external device is suitable to record SD program, but not HD program. If "**HD Support**" appears, then both SD and HD programs are OK.

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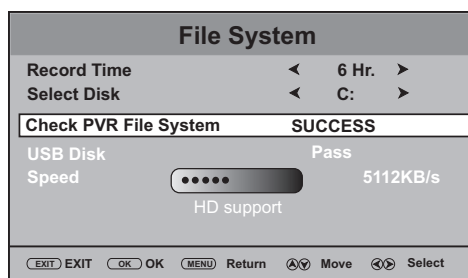
PVR recording — *digital only* -

You can record DTV programs in two ways — instant recording and timer recording.

■ Instant recording (current program recording)

To record a programme instantly, simply press the ●/■ button on your remote control.

Channel name

Current time

REC

Recording   21:57

[00:00:03]   83 iNews
              News   (0000;07:50)

Program name   Duration

Recorded length

1. Select a DTV programme you desired to record, press ●/■ button to begin recording.

Now a control bar will appear at the bottom screen for you to control.

From the control bar you can obtain information such as channel name, programme name, current time and recorded length, duration, etc.

After some seconds, this control bar will be minimized in size and glitter on the bottom right corder. (To restore, press **OK**).

2. To stop recording, press the ●/■ button again.

■ Timer recording (future program recording)

EPG (Electronic Program Guide) is your on-screen digital program guide for navigating, selecting, and discovering program event by time, title, channel. You can also enjoy the scheduling of future recordings for up to eight days by setting the timer recording through EPG, then go on vacation and come back to watch the program event as if it were live broadcast.

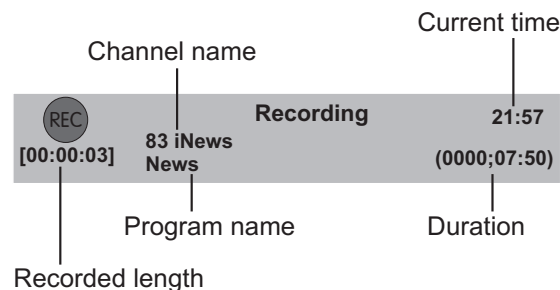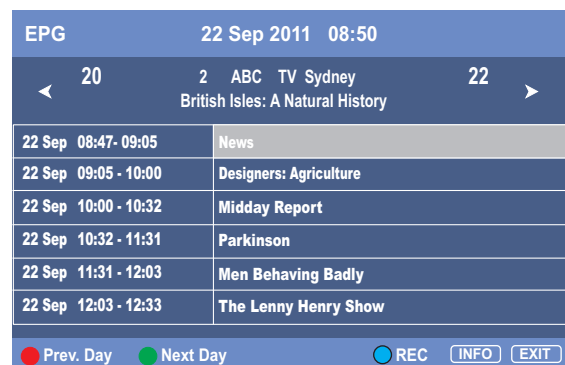| EPG	22 Sep 2011 08:50

◄	20	2 ABC TV Sydney	22	►
		British Isles: A Natural History		

22 Sep 08:47- 09:05	News
22 Sep 09:05 - 10:00	Designers: Agriculture
22 Sep 10:00 - 10:32	Midday Report
22 Sep 10:32 - 11:31	Parkinson
22 Sep 11:31 - 12:03	Men Behaving Badly
22 Sep 12:03 - 12:33	The Lenny Henry Show

● Prev. Day   ● Next Day   ● REC   [INFO] [EXIT]

EPG	14 May 2011 21:58

RECORDER	
Programme	News
Mode	Once
Start Time	22 Sep 2011 08:47
End Time	22 Sep 2011 09:05

◄► Select ▲▼ Move ● Schedule ● RETURN [OK] [EXIT]

Note:

● Future program recording can be done in standby mode. During recording in standby, the backlight is off while the Indicator turns blue to remind you that the set is at recording. Pressing POWER button can turn on the backlight.

● During recording, do not change channel or source. If you do want to change channel or source, a reminding message will pop up.

● If no disk space left, a warning will pop up and the recording stops.

1. Press **EPG** button to open the **EPG** window.

2. Press ◄ or ► button to select a channel you want to record. Press ▼ or ▲ to navigate and select a desired program event.

3. Press **BLUE** button to open **RECORDER** menu. Now do the following operations.

A. Mode select: From **RECORDER** menu, highlight **Mode** item, use ◄ or ► to select a recording mode. **Once** (recording once), **Every Day** (recording everyday), **Weekly** (recording weekly), or **AUTO** (automatically record all episodes from one series) can be selected.

B. If you set **Mode** to **Once** or **Every Day** or **Weekly**, you can set **Start Time** and **End Time** freely:

● **Start Time:** Highlight **Start Time**, then press ► to open its pop-up menu. Press ▼ or ▲ to select **Year, Month, Date, Hour, Minute** item, use ◄ or ► to adjust the setting. When finished, highlight **Close** and press **OK**.

● **End Time**: Highlight **End Time**, then press ► to open its pop-up menu. Press ▼ or ▲ to select **Year, Month, Date, Hour, Minute** item, use ◄ or ► to adjust the setting. When finished, highlight **Close** and press **OK**.

C. Be sure to press OK button again to save the timer.

D. Repeat the above steps if you want to schedule more program recording. Note that only one program can be recorded at the same time.

Once the timer reached, this program will be recorded and stored at the connected external memory device.

PVR recording — *digital only* -

■ Editing Recorder List

```
                22 Sep 2011  11:90
               RECORDER LIST

Title      Start Date    End Date     Programme      Mode
News    2011/09/22 08:47  2011/09/22 09:05  2 ABC TV Sydney  Once
Genius Go Go Go 2011/09/23 18:47  2011/09/23 19:25   82   CH4       Once


  ●Delete    ●Edit    ⊕⊖ Move    ○ Schedule     EXIT
```

When you have scheduled future program recording through EPG window successfully, you can call out the RECORDER LIST to know your schedule list. Also you can delete some unwanted recording schedule from the window.

1. From **EPG RECORDER** (pressing **EPG** then **BLUE** button to access) window, press **YELLOW** button to call out the **RECORDER LIST**.

2. If you want to cancel some schedule, press ▲ or ▼ to select the programme event, then press **RED** button to delete it.

3. To return to **EPG window**, press **GREEN** button.

To go back to **EPG RECORDER** window, press **YELLOW** button.

To directly close the menu, press **EXIT**.

■ Playing back the recorded contents

When your scheduled programs have been recorded onto your connected external memory device, the TV can show the Recorded List. From the list, you can select program you want to play back. In addition, you can sort the list by your preference, obtain more information about the program event, or delete some unwanted programmes.

```
  Recorded List       Programme ↓

    News                    ➤

  Genius Go Go Go (PTH)




  ⊕⊖ MOVE   OK   PLAY   Index   SORT
  ⊙⊗ INFO   EXIT  EXIT    ●     DEL
```

1. Press **REC. LIST** button to open the **Recorded List**.

● If you want to sort the program list by your preference, press **Index** button one or more times to select different order (by channel number, by time, or by program title alphabetical order), and the programmes are automatically sorted in this order.

● If you want to delete some unwanted programmes, press ▲ or ▼ to select, then press **RED** button.

● If you want to obtain more program information such as **Date, Time, Duration, Program Name, Channel Name**, press ▲ or ▼ to select your desired program, then press ▶ button. To close the information, press ◀ button.

```
                                    Current time
                        Broadcasting time
▶   Playback              21:56
   ●●●●●○───────────── [00:00:17/00:01:43]
      83 iNews        News
 A B  ▶/II Play/Pause ■ Stop ◀◀ REW ▶▶ FF ◀◀ Prev ▶▶ Next

      Channel name    Program name    Duration
```

2. If you want to play back some recorded programme, press ▲ or ▼ to select, then press **OK** to start playing.

During playing back, you can press:

● ▶/II : **PLAY/PAUSE** button.

● ↻ : **A-B repeat** button. During play, you can pause and repeat any specified section simply by pressing this button at the starting and ending points. To cancel, press this button once again.

● ▶▶/◀◀ : Fast forward/rewind.

● ▶▶I/I◀◀ : Previous/next.
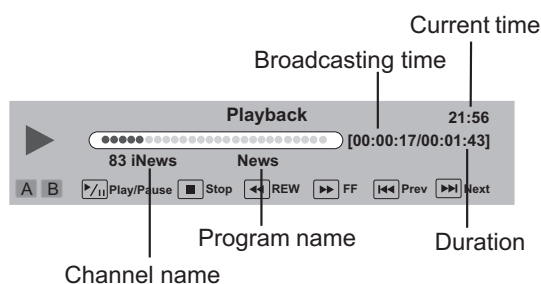
■ Time shift

Time Shift function is the recording of live programme to an external memory device to be viewed at a later time more convenient to the user. With the miracle of Time Shift, you can pause, rewind and replay live TV by temporarily saving a programme onto the connected external memory device.

After successful PVR File System check, you can use Time Shift function now. Press **T.SHIFT** button to start time shifting. The live programme stops at the current state. At the bottom screen, a control bar will appear for your help. After some seconds, this control bar will be minimized in size and glitter on the screen. To restore, please press **OK**.

During the process, you can press:

● ▶/II : **PLAY/PAUSE** button.

● ●/■ : **STOP** button.

● ▶▶/◀◀ : **Fast forward/rewind**

● ▶▶I/I◀◀ : **Previous/next**

```
                              Current time
   II   Time Shift      11:10
      ──────────────── [-00:00:06/00:20:00]
   ▶/II Play/Pause ■ Stop ◀◀ REW ▶▶ FF ◀◀ Prev ▶▶ Next
                                  Duration
```

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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**.
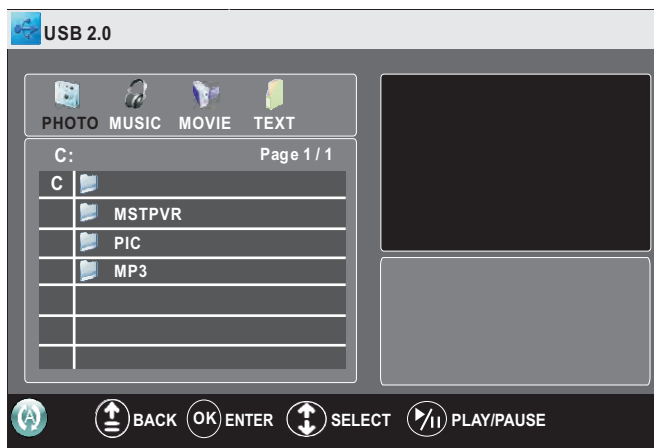
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Notes about using USB

You can connect a compatible USB device (such as U disk, portable hard disk, MP3 card) to your TV to view compatible photo, movie, text or play compatible music.

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

Viewing photos

USB 2.0

PHOTO MUSIC MOVIE TEXT

C: Page 1 / 1

C
    MSTPVR
    PIC
    MP3

BACK OK ENTER SELECT PLAY/PAUSE

USB 2.0

PHOTO MUSIC MOVIE TEXT

C: \PIC   Page 1 / 5

C
    ..
    ☑ DSC08757.jpg
    ■ DSC08758.jpg
    ■ DSC08759.jpg
    ■ DSC08760.jpg
    ■ DSC08761.jpg

WxH: 1920x1200
Size: 53 KBytes

BACK OK ENTER SELECT PLAY/PAUSE

You can connect the USB device to the TV to display most photos in JPG, BMP and PNG formats, but for the sake of technical updating, some formats above may not be supported.

To view photos:

1 Connect USB device and switch to **USB** mode, the USB main menu will appear automatically.

2 Press ◀ or ▶ to select **PHOTO** menu, and press **OK** to access.

3 Press ▲ or ▼ to navigate among files or folders.

4 Press ▶/❙❙ to start slide show from current photo file or press **OK** to open the highlighted folder. After a photo folder is opened, you can press **GREEN** button to view photos in thumbnail, then use ▲ ▼ ◀ ▶ to navigate, press ▶/❙❙ to start slide show from current photo.

During photo slide show, you can press:

▶/❙❙ : Play /pause.
●/■ : Stop.
|◀◀ : Go to the previous photo.
▶▶| : Go to the next photo.
↻ : Rotate the photo clockwise (To restore to slide show, press ▶/❙❙).
▶▶ : Press one or more times to zoom in the photo. In zoom in mode, you can press arrow buttons to pan the photo.
◀◀ : Press one or more times to zoom out the photo.
EXIT: Exit slide show.
☺ : Exit slide show and return to USB main menu.

When USB main menu is on the screen, you can press:

↻ : Press one or more times to select a repeat mode. You can select ⊘ (repeat to show one photo), ⊘ (repeat to show all photos when slide show reaches end), ⊗ (no repeat when it reaches end and go to USB main menu).

Note: When a photo file is selected, you can press **OK** button to mark it as favourite and a check mark appears (press **OK** again to cancel the mark). Do so to create your favourite photo list, then slide show goes among these favourite photos. To quickly select/unselect all photos inside this folder, move the cursor to its volume row (first row) and press **OK**, then choose "Select" or "UnSelect".

Using USB Multi Media Player (Continued)

Playing music

```
USB 2.0

PHOTO  MUSIC  MOVIE  TEXT
C:                    Page 1 / 1
C
    MSTPVR
    PIC
    MP3

BACK  OK ENTER  SELECT  PLAY/PAUSE
```

```
USB 2.0

PHOTO  MUSIC  MOVIE  TEXT
C:  \MP3              Page 1 / 3
C
    --
  ✓  SONG OF SONG.mp3
    MESSIAH.mp3
    OLYMPICS.mp3
    PEACE.mp3
    CHRISTMAS. mp3

▶ 00:00:30 / 00:20:00

Album:
Title:
Bit Rate:  184K
Artist:
Sampling: 44K
Year: 2010

BACK  OK ENTER  SELECT  PLAY/PAUSE
```

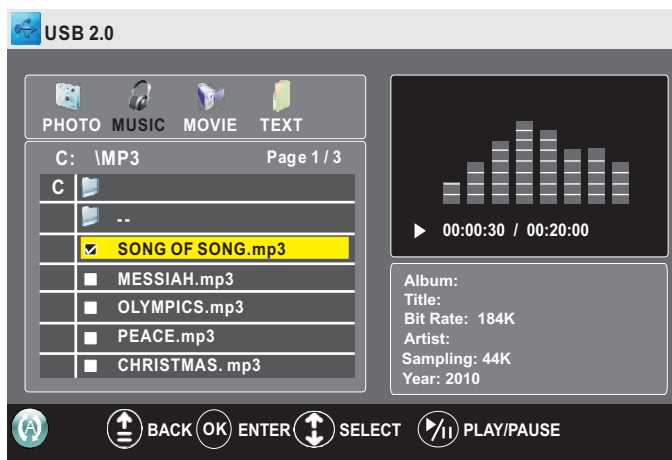When USB main menu is on the screen, you can press:

↻ : Press one or more times to select a repeat mode. You can select 🔘 (repeat to play one music), Ⓐ (repeat to play all music files when it reaches end), ⊗ (no repeat when it reaches end and go to USB main menu).

Note:
- When selecting file or folder from the list, you can press ◀ / ▶ to scroll the page.
- When a music file is selected, you can press **OK** button to mark it as favourite and a check mark appears (press **OK** again to cancel the mark). Do so to create your favourite music list, then music play goes among these favourites. To quickly select/unselect all files inside this folder, move the cursor to its volume row (first row) and press **OK**, then choose "Select" or "UnSelect".

Generally, audio player supports MP3, WMA and AAC formats, but for the sake of technical updating, some formats above may not be supported.

To listen to music:

1. Connect USB device and switch to **USB** mode, the USB main menu will appear automatically.

2. Press ◀ or ▶ to select **MUSIC** menu, and press **OK** to access.

3. Press ⬆ or ⬇ to navigate among files or folders and select your desired one.

4. Press ▶/॥ to start music playing from current file or press **OK** to open the highlighted folder.

   During music playing, you can press:

   ▶/॥ : Play /pause.
   ▣/■ : Stop playing.
   ▶▶ : Fast forward.
   ◀◀ : Fast reverse.
   ◀◀॥ : Play the previous.
   ॥▶▶ : Play the next.
   EXIT: Exit music play.
   ⊕ : Exit and return to USB main menu.

Playing movie

```
USB 2.0

PHOTO  MUSIC  MOVIE  TEXT
C:                    Page 1 / 1
C
    MSTPVR
    PIC
    MP3
    TITANIC. ts
    2012.mov

BACK  OK ENTER  SELECT  PLAY/PAUSE
```

Generally, video playback supports MPG, MPEG, MP4, TS, TRP, M4V, RM/RMVB formats, but for the sake of technical updating, some formats above may not be supported.

To watch movie:

1. From the USB main menu, press ◀ or ▶ to select **MOVIE** menu, and press **OK** to access.

2. Press ⬆ or ⬇ to navigate among your files or folders.

3. Press ▶/॥ to play the selected movie full-screen or press **OK** to access the folder to select your desired movie to play.

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Playing movie (continued)

USB 2.0

PHOTO MUSIC MOVIE TEXT

C: Page 1 / 1

C
- MSTPVR
- PIC
- MP3
- TITANIC. ts
- 2012 .mov

Size: 101 MBytes

BACK OK ENTER SELECT PLAY/PAUSE

During movie play, you can press:

⏯ : Play /pause.

⏹ : Stop playing.

⏩ : Fast forward.

⏪ : Fast reverse.

Subtitle: Shows subtitle if available.

STEREO: Selects audio track if available.

EXIT: Exit movie play.

: Exit and return to USB main menu.

When USB main menu is on the screen, you can press 🔄 one or more times to select a repeat mode. You can select (repeat to play one movie), (repeat to play all movies when it reaches end), (no repeat when it reaches end).

Also you can press **RED** button for **A-B repeat, BLUE** button for **time search** so that the play starts from the specific time.

● **A-B repeat:** During play, you can pause and repeat any specified section simply by pressing **RED** button at the starting and ending points. To cancel, press **RED** button once again.

● **Time search:** Press **BLUE** button to call out **Input search time** screen, then use **number** buttons to input time, use ◀ / ▶ to move the cursor, and then highlight **OK** and press **OK** button for time search, and the playback starts from the specific time. (Pressing **INFO** button can get time information from the screen)

Note:

● When selecting photo or folder from the list, you can press ◀ / ▶ to scroll the page.

● When the highlight rest on a file for some seconds, its content preview will appear automatically.

Playing text

USB 2.0

PHOTO MUSIC MOVIE TEXT

C: Page 1 / 1

C
- MSTPVR
- PIC
- MP3
- WORD. txt
- FOXMAIL.txt

BACK OK ENTER SELECT PLAY/PAUSE

USB 2.0

PHOTO MUSIC MOVIE TEXT

C: Page 1 / 1

C
- MSTPVR
- PIC
- MP3
- WORD. txt
- FOXMAIL.txt

A signal that reaches beyond the viewing area of a display screen. A slight overscan is generally not noticeable on a TV set, but is apparent on a computer monitor where taskbars are typically at the extreme ends of the viewing area.

Size: 2K Bytes

BACK OK ENTER SELECT PLAY/PAUSE

Text play supports TXT format, but for the sake of technical updating, not all TXT format files can be played.

To view text:

1 From the USB main menu, press ◀ or ▶ to select **TEXT** menu, and press **OK** to access.

2 Press ▲ or ▼ to navigate among files or folders.

3 Press ⏯ to open the highlighted file and show its text or press **OK** to open the highlighted folder.

During text playing, you can press:

⏯ : Play the text.

⏮ : Go to the previous.

⏭ : Go to the next.

▲ / ▼ : Scroll the content.

EXIT: Exit text playing.

: Exit and return to USB main menu.

Note: When selecting file or folder from the list, you can press ◀ / ▶ to scroll the page.

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■ Troubleshooting guide (general)

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.

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.
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 connection.
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 connection. • 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 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.
One or some channels can't be displayed	• These channels may be set skipped. You may cancel the skip setting through the menu or select them with 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.

Type:	Integrated Digital TV
Panel:	80 cm TFT LCD (with LED backlight)
Analogue TV system:	PAL-B/G (CCIR), NTSC(AV)
Digital TV system:	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
Power Requirement:	AC 220-240 V, 50/60 Hz
Power Consumption:	75 W
Dimensions (W x H x D):	783 (W) x 546 (H) x 200 (D)mm (stand included) 783 (W) x 505 (H) x 38.5 (D)mm (stand not included)
Weight:	10 kg (stand included) 8.3 kg (stand not included)
Terminals:	Antenna in (1) AV in (1) COMPONENT in (1) D-Sub in (1) HDMI in (3) RS-232 (1) Headphone / SPDIF out (1) USB port (1) AV out (1)

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.

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