

dick smith

DSLED42UHDYA



41.5" (105.5cm) LED LCD TV

USER MANUAL

Thank you for purchasing this LCD TV. Before connection and operation of this product please read the manual carefully and completely.

Please keep this manual for future reference.

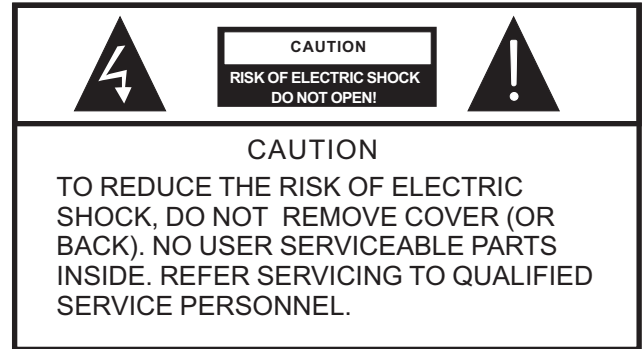
HDMI[™]
HIGH DEFINITION MULTIMEDIA INTERFACE

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IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any ventilation openings, install in accordance with the instructions.
- 8) Do not install near any heat sources such as radiators, air conditioners, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 10) Only use attachments/accessories specified by the manufacturer.
- 11) Unplug this apparatus before the approach of lightning storms or when unused for long periods of time.
- 12) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the 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.
- 13) The Mains plug is used as the power disconnect device, and the disconnect device shall remain readily accessible and operable.
- 14) The ventilation should not be impeded by covering the ventilation openings with items such as newspapers, table-cloth, curtains, etc.
- 15) No naked flame sources, such as lighted candles, should be placed on or near the apparatus.
- 16) This device is not warranted for use in unreasonably hot, cold, or humid environments.
- 17) The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on or near the apparatus.
- 18) This device is designed for indoor, fixed location use only. It must not be used in portable or mobile applications as vibration or excessive forces may damage the unit.



This symbol indicates that dangerous voltages, constituting a risk of electric shock are present within this unit.



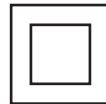
This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

WARNING:

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

WARNING:

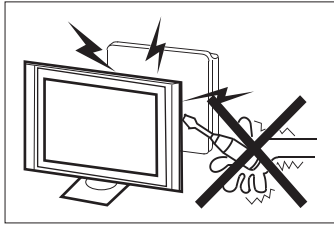
The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.



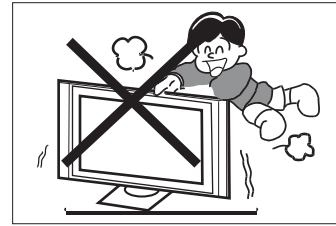
This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts. When servicing use only identical replacement parts.

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

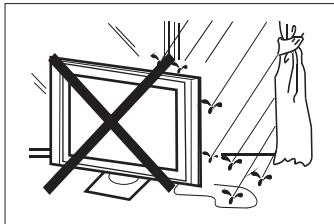
SAFETY AND WARNINGS



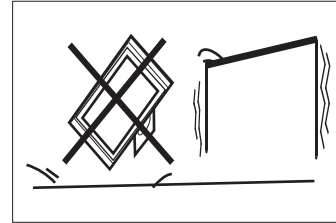
High voltages are used in the operation of this television receiver. Do not remove the cabinet back from your set. Refer servicing to qualified service personnel.



Never stand on, lean on, or suddenly push the television or its stand. You should pay special attention to children. Serious injury may result if it falls.



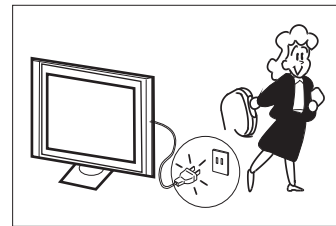
To prevent fire or electrical shock hazard, do not expose the television receiver to rain or moisture.



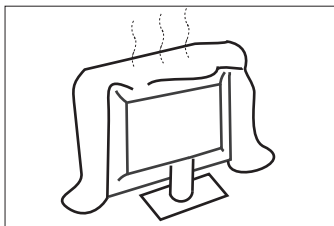
Do not place your television on an unstable cart, stand, shelf or table. Serious injury to an individual, and damage to the television may result if it falls.



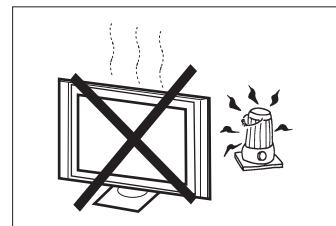
Do not drop or push objects into the television cabinet slots or openings. Never spill any kind of liquid on the television receiver.



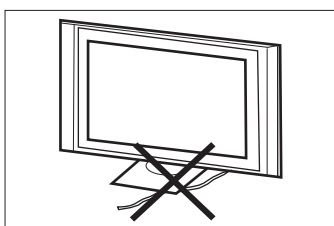
When the television receiver is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.



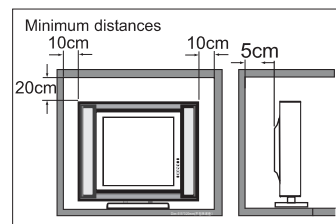
Do not block the ventilation holes in the back cover. Adequate ventilation is essential to prevent failure of electrical components.



Avoid exposing the television receiver to direct sunlight and other sources of heat. Do not stand the television receiver directly on other products which give off heat, e.g. video cassette players and audio amplifiers. Do not place naked flame sources, such as lighted candles on or near the television.



Do not trap the power supply cord under the television receiver.



If the television is to be built into a compartment or similar enclosure, the minimum distances must be maintained. Heat build-up can reduce the service life of your television, and can also be dangerous.

CAUTION

Never tamper with any components inside the TV, or any other adjustment controls not mentioned in this manual. All LCD-TVs are high voltage instruments. When you clean up dust or water drops on the LCD PANEL or CABINET, the power cord should be physically removed from the mains outlet. You may then wipe the TV with a dry soft cloth. Before thunder and lightning storm events arrive, unplug the power cord and antenna cord to minimise the risk of damage to your TV.

WARNING: All repairs to this TV must only be performed by qualified TV service personnel. There are no user-serviceable components within this equipment. Changes or modifications to this unit, including changes to parts, components and constructional attributes that are responsible for safety and regulatory compliance, may result in non-compliant and unsafe operation of this equipment.

- a. Do not expose to dripping or splashing.
- b. No objects filled with liquids, such as vases, shall be placed on or near the apparatus.
- c. The mains plug of this device is used as the power disconnect device and shall remain readily accessible and operable.
- d. No naked flame sources, such as lighted candles, should be placed on or near the apparatus.
- e. Allow suitable distances around the apparatus for sufficient ventilation. Ventilation should not be impeded by covering ventilation openings with items such as newspapers, table cloths, curtains and such like.
- f. Do not expose to vibration or shock.

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

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:

- A. Reduce the brightness/contrast setting to a minimum viewing level.
- B. Do not display any 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.

CAUTION:

The permanent after-image on the screen resulting from fixed image use is not an operating defect. This product is not designed to display fixed images for extended periods of time.

Unpacking and preparing the TV

Thank you for purchasing this Dick Smith 41.5" UHD LED LCD TV. Before connection and operation of this product, please read through this User Manual carefully, and retain the manual for future reference.

Remove the TV carefully from its packaging, taking care not to apply any pressure to the front of the LCD screen. Some accessory items may be located in cut-out sections of the internal packaging, so take care not to miss these items. Once all items are removed from the packaging, use the list below to check that nothing is missing. If any items appear to be missing, contact the retail store that supplied the TV, or use the Support contact details at the end of this manual for further information.

- 41.5" (105.5cm) LED LCD TV 1 piece
- Desk base stand 1 piece
- Neck brackets (links TV body & base stand) 2 pieces
- User Manual 1 piece
- Remote Control 1 piece
- Pack of screws (4 x short, 4 x long) 1 piece
- Pack of 2 "AAA" size batteries 1 piece
- Pack of 4 M6 wall-mount screws 1 piece

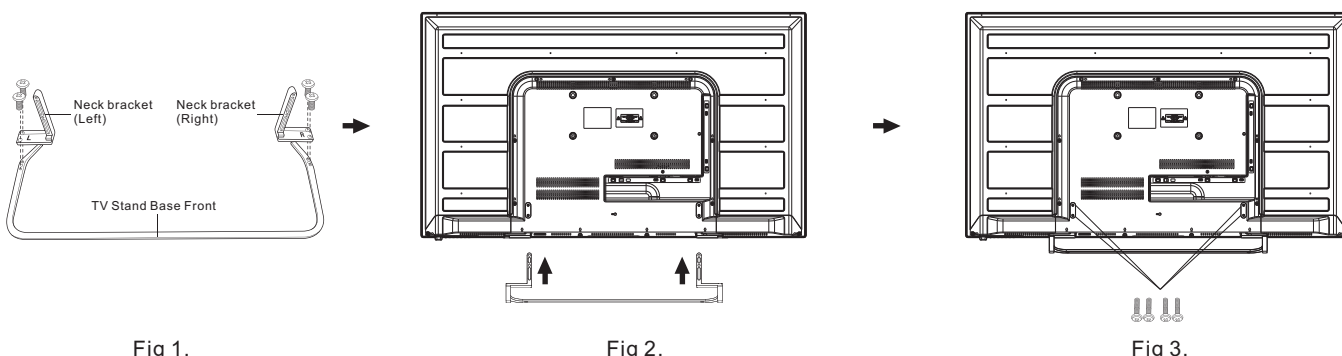
Once all the accessory items have been accounted for, prepare a location where you can attach the desk base stand to the body of the TV. You will need to arrange a soft cloth that is large enough to cover the front face of the TV (for protection of the LCD screen), as well as a Philips head screwdriver to attach the base stand.

Before proceeding to the Getting Started section of this manual, please continue reviewing this Installation chapter to ensure that your TV is correctly connected to your TV antenna and related AV equipment (eg. DVD or Blu-ray player, amplifier, sound bar etc).

Base Stand Assembly Instructions

! Prepare to place the TV with the display side down onto a flat surface. Due to the size and weight of this TV, the use of 2 people is recommended when moving it. Ensure the table or desk you use provides a flat, totally clean surface, and use a soft cloth between the face of the TV and the table to help protect the TV's screen.

- 1) Position the base stand on a flat surface in front of you as per Fig 1 below. The rubber feet on the front section of the stand should be facing downwards towards the surface the stand is sitting on.
- 2) Locate the right-angled Neck bracket with the L (Left) symbol on the top of the flat surface near the screw holes, and screw it to the left side of the base stand using 2 of the supplied short Philips-head screws. Repeat the process for the Neck bracket with the R (Right) symbol on it.
- 3) Position the TV's body on your desk or table so that the bottom of the TV is extending slightly over the edge of the table when viewed from above. Position the assembled base stand as per Fig 2 below (with the front section of the stand pointing away from you when viewed from above the rear of the TV).
- 4) Slide the ends of the neck brackets from the base stand into the rectangular holes in the bottom area of the TV's body, and when correctly located, slowly and evenly push them into the body of the TV until they are seated into position.
- 5) Secure the neck brackets in place using the longer Philips-head screws, as per Fig 3.



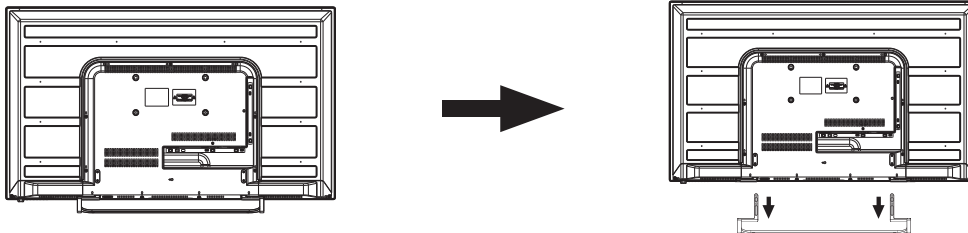
WALL MOUNTING INSTALLATION GUIDELINES

For wall mounting with an optional bracket, please read the following instructions in conjunction with the bracket's instructions. Make sure qualified service personnel perform the operation.

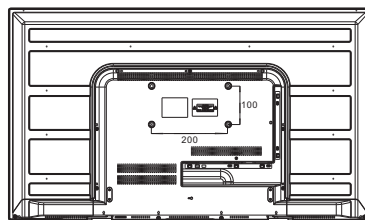
This television can be wall mounted as follows:



1. Place the LED LCD Television face down onto a solid surface. Please place some soft cloth material over the front of the screen to help protect it from any damage. The LCD panel is a fragile component, and must be suitably protected when removing the base stand. Be sure that no hard or sharp objects can come into contact with the screen's surface. Do not exert pressure on the front of the unit at any time, as this may damage the LCD screen.
2. Remove the 4 long screws from the lower part of the television, where the neck brackets from the desk stand are attached to the TV's body, and take away the stand (put the stand and screws somewhere safe for future use).

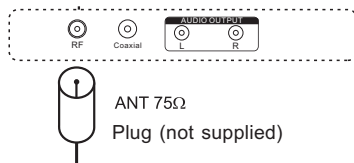
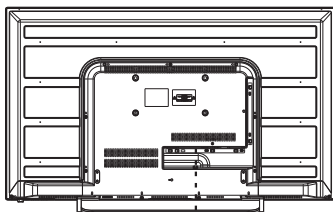


3. Use the four M6 screws provided with your TV to fix it onto your wall mounting bracket (not included) via the four VESA standard holes on the back of the television.



200mm x 100mm VESA
wall mounting hole spacing
and locations

ANTENNA



Outdoor antenna (not supplied)

N.B. - Take care to only connect your antenna to the RF socket on the TV. Other sockets may accept the PAL antenna plug, but no reception will occur.

Note:

Aerial connections: IEC (PAL-type, female).

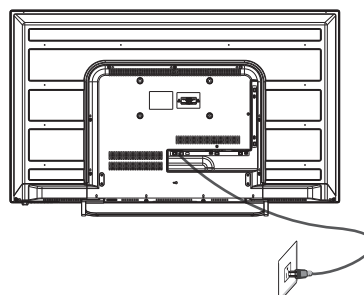
Input impedance: 75Ω unbalanced.

For optimum digital TV reception, the use of high quality shielded 75Ω coax cable is recommended.

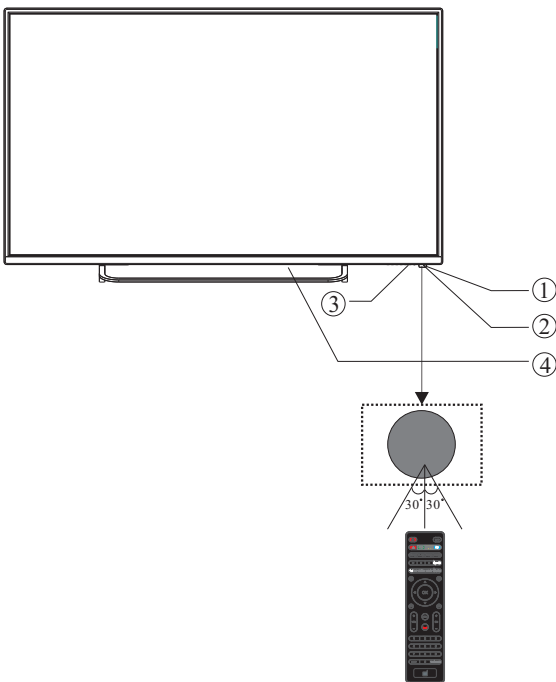
POWER

AC Input
100-240V~ 50/60Hz 80W

N.B. Unwind the mains power cord to its full length prior to initial use, and locate it away from other cables that will be connected to the TV



FRONT PANEL layout



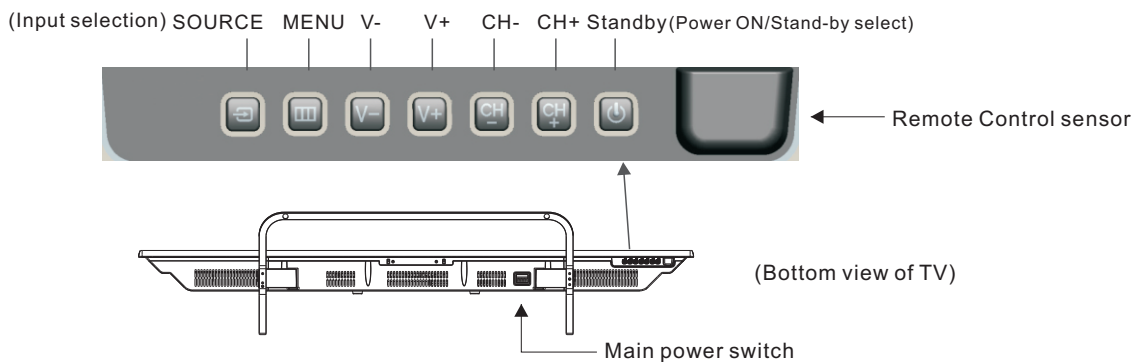
- 1: Remote control sensor.
- 2: Power indicator LED:
GREEN ● = POWER ON.
RED ● = Stand-by.
- 3: Keyboard (on bottom of TV).
- 4: Main power switch (on bottom mid right-hand panel of TV)

The remote control needs to be pointed directly, within +/- 30° of the sensor on the front of the TV for reliable operation.

NB. There will be a 5-10 second delay between the power indicator LED changing colour and the TV responding. If you also have other accessories attached (eg. such as larger USB hard-drives) the power-up sequence will take longer.

KEYBOARD layout (side-panel)

This TV is most easily operated using the supplied Remote Control unit, but in the event that the Remote is not available, there are various alternative controls for basic functions located on the bottom of the TV (when viewed from the front of the TV).



- 1. **SOURCE:**
Displays the input source Menu.
- 2. **MENU:**
Displays the main MENU.
- 3. **V-/V+**
Adjusts the sound level.
In MENU mode, press "V+" or "V-" to adjust the item that you have selected.
- 4. **CH-/CH+**
In TV mode, press "CH+" or "CH-" to change the channel up or down.
In MENU mode, press "CH+" or "CH-" to select items.
- 5. **STANDBY**
Once the TV's main power switch has been activated, press this button to turn the unit ON from STANDBY mode. Press it again to return the set back to STANDBY. This Standby button performs the same operation as the Power/Standby button on the Remote Control.

REAR AV Connections



When viewed from the rear of the TV, the following terminals/connections are visible (from left to right):

- AC mains power cord
- HDMI 1 input (HDMI v2.0 socket for UHD source material)
- RF (TV Antenna) Input
- Coaxial digital Audio Output (RCA socket)
- AUDIO OUTPUT sockets - RCA type sockets for Left and Right audio outputs.

Note: These input and output sockets provide different functionality based on what mode the TV is in.

- During DTV and ATV reception, USB playback, and HDMI or AV input operation, the AUDIO OUTPUT sockets provide Audio outputs.
- Some settings on the TV (eg. the Mute control, Sound Menu settings etc) do not affect the audio signal from the AUDIO OUTPUT socket.
- Only HDMI 1 input supports UHD source material.
- Only HDMI 1 input supports limited ARC (Audio Return Channel) functionality and you must use an HDMI cable that supports ARC and CEC operation.
- All HDMI inputs support limited CEC (Consumer Electronics Control) functionality.
- The Coaxial digital Audio socket provides an output during DTV, USB playback and HDMI input operation. The format of the digital output is set in the main Sound Menu (refer to page 19 for details on setting the output format).

SIDE AV Connections



When viewed from the side of the TV, the following connections are visible (from left to right):

- HDMI 2 Input (1080p max resolution source material)
- VGA Input (analogue, 15 pin D-type socket)
- PC Audio Input
- HDMI 3 Input (1080p max resolution source material)
- Headphone Output (3.5mm stereo socket)
- AV INPUT sockets - RCA type socket for Composite type VIDEO input, and RCA type sockets for Left and Right audio inputs.
- USB socket for HDTV record/playback

Note: When an HDMI port detects a DVI format signal, the matching audio signal is received through the PC Audio input socket.

- Don't connect both an HDMI and an AV cable to the same device (eg. Blu-ray player), as this TV may detect the duplication and report an error.
- Use only USB flash-drives or low-power portable USB hard-drives for HDTV recording.
- During AV mode operation, the AV INPUT sockets will disregard the audio inputs unless they are accompanied by a composite Video input signal.

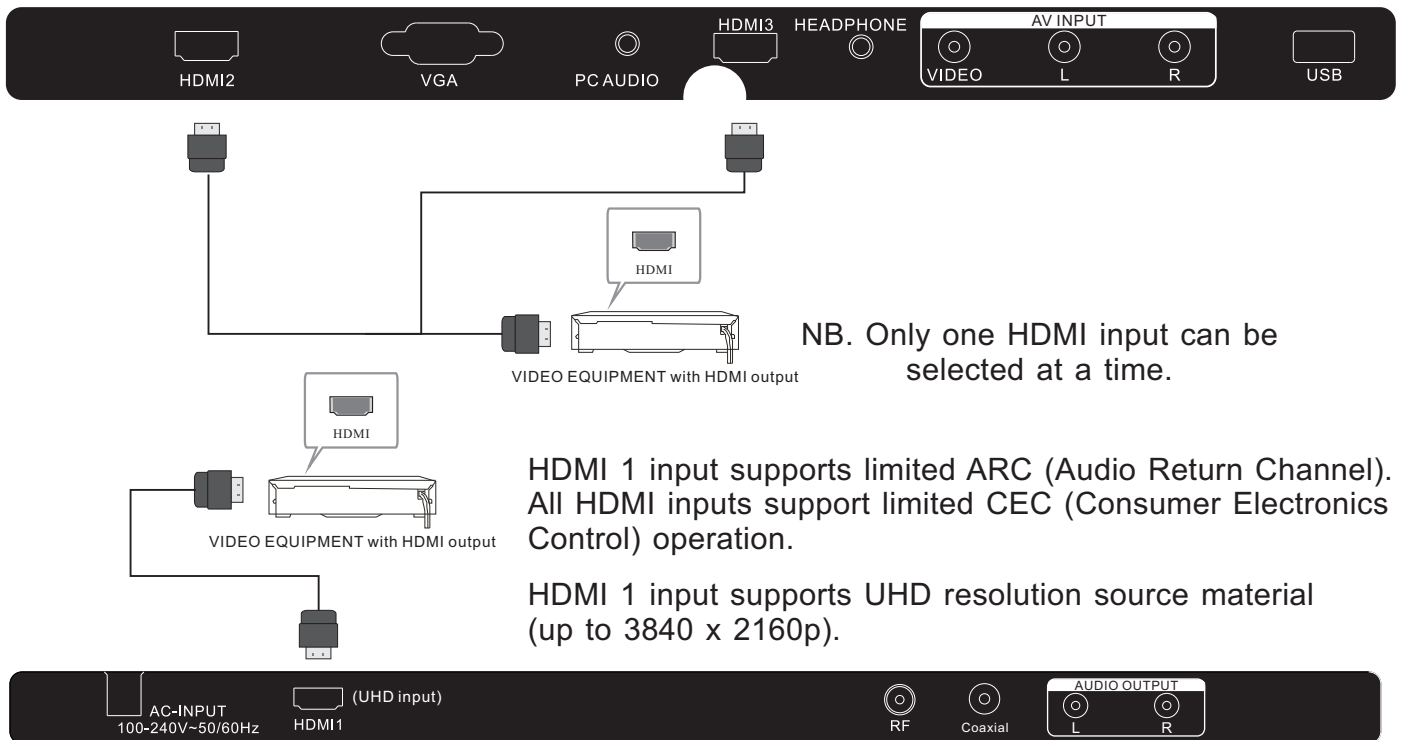
AV EQUIPMENT connections

You can use the input and output terminals on the TV set as follows for basic accessory inter-connections.

a) HDMI (basic)

HDMI is a digital connection system that can carry both video and audio information. Using HDMI connections to this TV is recommended where accessory equipment can support higher resolution modes (such as 1080i/1080p) from products such as upscaling DVD players, Blu-ray players and high-performance gaming consoles. For access to UHD resolution material, such as from upscaling Blu-ray players, use only HDMI 1 input.

For basic HDMI installations, where an external surround sound processor/amplifier is not being used, connect your accessory equipment directly to the HDMI sockets on this TV using high quality HDMI certified cabling that supports ARC and CEC operation. All the HDMI inputs support limited HDMI CEC (Consumer Electronics Control) functionality (refer to page 20 for further details on CEC operation).



b) HDMI (advanced)

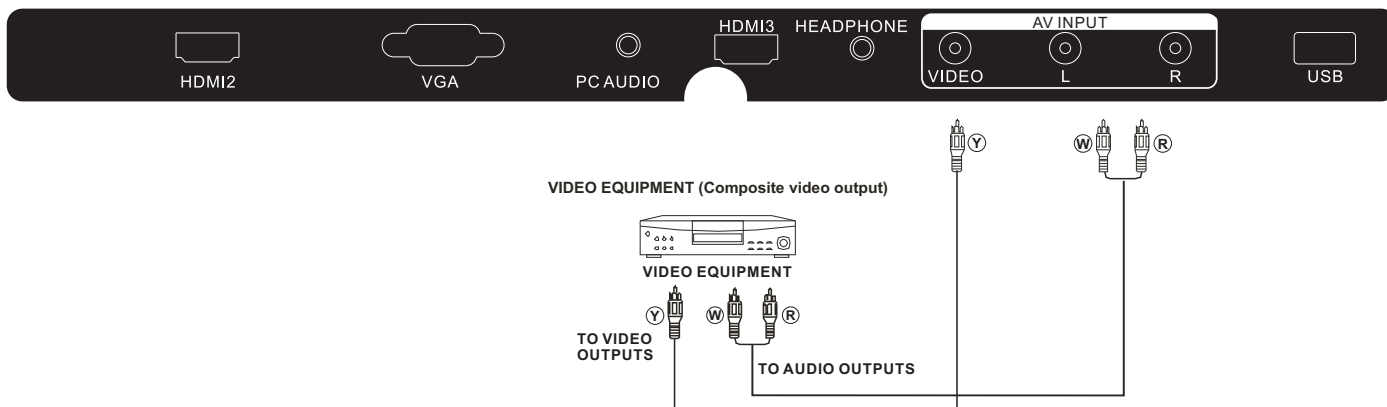
When using a Surround/AV amplifier system, there are numerous connection possibilities, depending on the capabilities of the amplifier equipment. In most cases, external accessories (such as a Blu-ray player or gaming console) that were previously connected directly to the TV would now be connected to the amplifier via HDMI, and a separate HDMI cable would then be connected between the TV and the AV amplifier.

This system then allows the Surround/AV amplifier to process the surround channels and correctly align the video and audio timing. If your Surround/AV amplifier supports HDMI ARC (Audio Return Channel), then the HDMI ARC compliant cable connecting the amplifier and TV together must be connected to the HDMI 1 input on this TV, otherwise a separate audio connection (either analogue or coaxial digital) would also be required between the TV and the AV amplifier. Refer to the User Manual for your AV amplifier for details on its specific cabling requirements. Due to technical differences between equipment manufacturers, HDMI ARC operation may not be possible in some installations.

c) AV (Audio/Video)

This TV provides an AV input and AUDIO output using line-level analogue stereo Audio and composite format Video signals for compatibility with earlier accessory devices eg. VCRs, CRT TVs, basic gaming consoles etc. Refer to page 9 regarding the specific characteristics of these AV sockets. For optimum composite video quality, use only well shielded 75 ohm video-grade cables.

- Ⓨ Yellow (Composite video)
- Ⓦ White (Audio Left)
- Ⓡ Red (Audio Right)

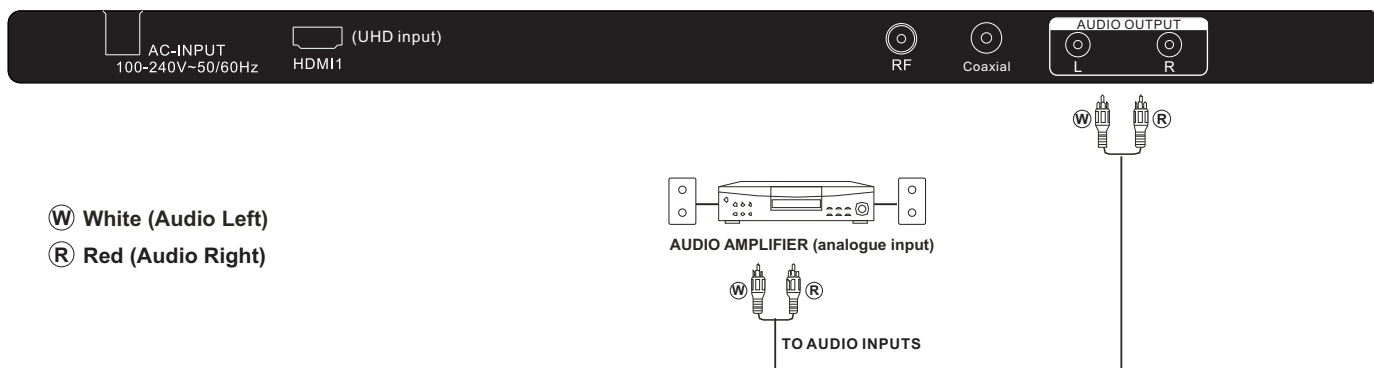


d) AUDIO

For installations where you have an existing stereo system and wish to improve your listening experience, connect a stereo RCA cable between the AV Output L/R sockets on this TV and the appropriate line-level inputs (eg. AUX input) on your amplifier.

For even higher quality audio signal transfer to a Sound Bar or home theatre system that supports digital audio inputs, consider using the Coaxial Digital audio output on the TV's side panel. Use a well shielded coax cable with RCA connectors to connect the TV to your compatible sound equipment, and then adjust the SPDIF Mode setting in the main Sound Menu to "PCM" if required.

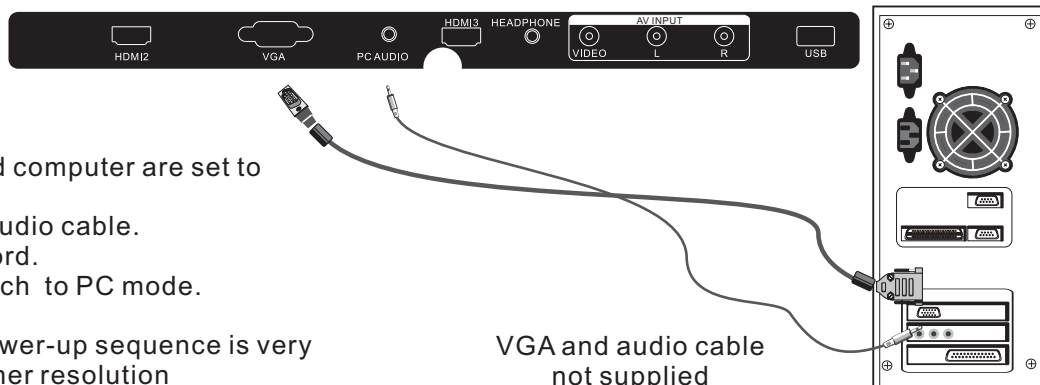
NB. Take care when powering up your TV/amp combination, as there may be some click or pop sounds on the audio output of the TV during its powering up/down phase that can be amplified by your sound system. It is highly recommended that the TV is first powered up, and then when its screen is active, you then power up your amplifier. When powering down the TV/amp system, turn Off your amplifier first and then switch the TV back to its Standby state.



- Ⓦ White (Audio Left)
- Ⓡ Red (Audio Right)

PC Connections

This TV provides an analogue VGA input (15pin) for connection to various desktop or laptop computers. Refer to your computer's User manual or support website to determine if your computer may be compatible, and what connection cabling will be needed.



STEPS:

Be sure both the TV and computer are set to Power off.

1. Connect a VGA and audio cable.
2. Connect the power cord.
3. Power on the TV, switch to PC mode.
4. Power on the PC.

This connection and power-up sequence is very important. Also, for higher resolution applications, the use of a high quality shielded VGA cable is recommended.

PRESET MODE

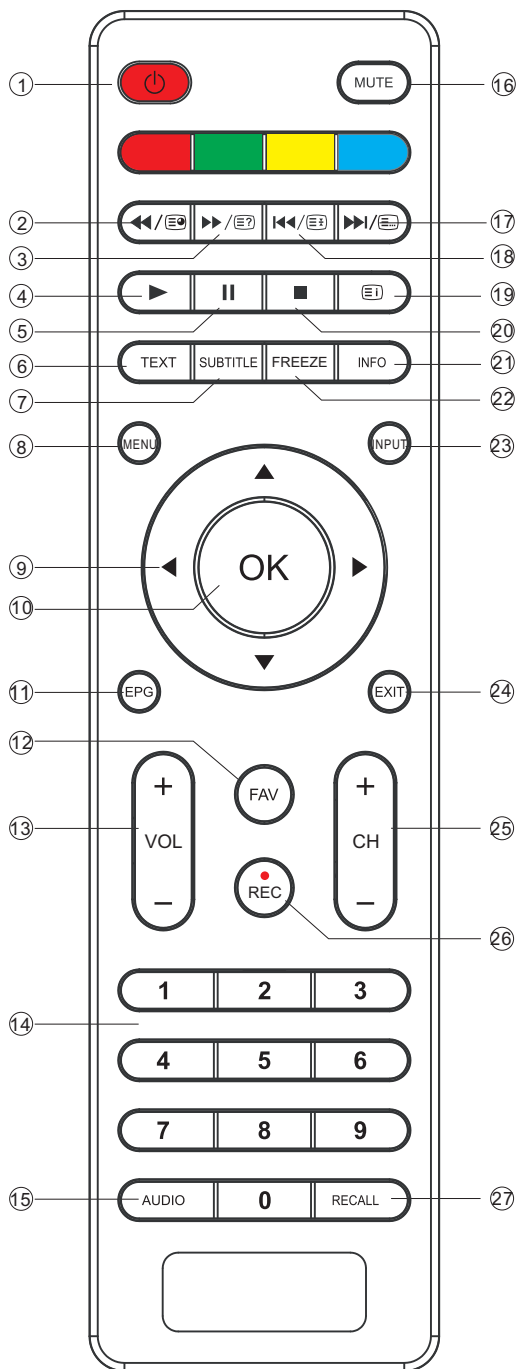
	RESOLUTION	V.Freq.(Hz)	H.Freq.(kHz)
1	720*400	70	31.47
2	640*480	60	31.47
3	800*600	56	35.156
4	800*600	60	37.88
5	800*600	72	48.08
6	1024*768	60	48.36
7	1024*768	70	56.48

The above resolutions are the only ones guaranteed to be supported. Other resolutions may also be supported, but this must be assessed by the user on a case-by-case basis. This is also subject to the limitations of the computer's video card.

ADJUSTABLE MODES

While this TV may support higher resolutions thru either the VGA or HDMI inputs, such operation is dependant on the capabilities of the attached PC (including its graphics card, system set-up and operating system) as well as the user's ability to adjust the PC's settings for optimum screen performance. Some PC graphics cards will not correctly identify the TV's capabilities and hence will only allow lower resolution screen displays.

REMOTE CONTROL



- 1: **POWER**: To set the TV to Standby or Power On modes.
- 2: **◀/⏮**: In USB mode, used as fast reverse key; press repeatedly to speed up operation.
- 3: **▶/⏭**: In USB mode, used as fast forward key; press repeatedly to speed up operation.
- 4: **▶**: Press the Play Button in USB mode to begin or continue Playback.
- 5: **⏸**: Press the Pause Button to pause play in USB mode.
- 6: **TEXT**: To enter or exit TELETEXT.
- 7: **SUBTITLE**: To turn on subtitles in DTV mode.
- 8: **MENU**: Displays the main on-screen menus.
- 9: **CURSOR**: To move within the menu.
- 10: **OK**: Confirms selection.
- 11: **EPG**: To display information about the program being viewed and what's on next in DTV mode.
- 12: **FAV**: To access your favourite channels list in TV or DTV mode.
- 13: **VOL+/-**: To adjust sound level.
- 14: **NUMERIC KEY**: For direct access to channels.
- 15: **AUDIO**: To select the available audio language of TV programs.
- 16: **MUTE**: To disable or enable the speaker sound output.
- 17: **▶/⏭**: In USB mode, used as next key, in teletext mode used as list key.
- 18: **◀/⏮**: In USB mode, used as previous key, in teletext mode used as hold key.
- 19: **⏮**: In teletext mode used as index. In DTV mode, displays the Recorded List.
- 20: **■**: Press to stop play in USB mode.
- 21: **INFO**: To display the program information of the DTV show you are watching, press the Info button.
- 22: **FREEZE**: Press to freeze the picture you are watching.
- 23: **INPUT**: Press to display and select the available video input sources.
- 24: **EXIT**: To return to the previous menu or exit menu.
- 25: **CH+/CH-**: To access the next or previous channels.
- 26: **REC**: Press to record the TV program you are watching in DTV mode
- 27: **RECALL**: DTV Mode: RECALL: Jumps to last channel viewed.

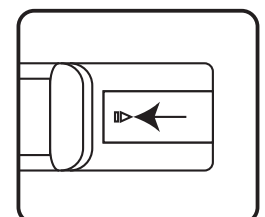
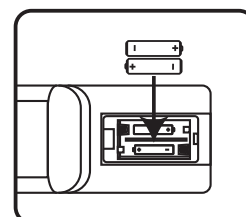
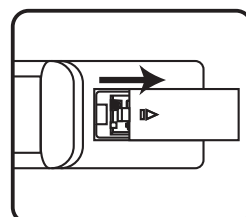
NOTE:

This Remote Control is used across a range of TV models with differing capabilities. Some functions listed above may not be applicable to your TV model.

Remote Control Battery Installation



The remote control requires two AAA batteries. Below are steps to assist you with replacing the batteries.

1. Open the back cover of the battery compartment.
2. Install the batteries into the battery tray. There are +/- polarity markings in the battery compartment. Please ensure the battery polarity is correct.
3. Close the battery cover.



TELETEXT and SUBTITLES

Teletext is an information system broadcast in certain countries which can be consulted like a newspaper. It may also offer access to subtitles for viewers with hearing problems or who are not familiar with the transmission language (Refer to your local TV guides or internet program lists to determine if Teletext is used in your area.)

Press:	You will obtain:
TEXT	This is used to call or exit teletext modes during ATV reception. The summary appears with a list of items that can be accessed. Each item has a corresponding 3 digit page number. If the channel selected does not broadcast teletext, the indication 100 will be displayed and the screen will remain blank (in this case, press the CH+ or CH- buttons to check another text page, or else exit teletext and select another channel).
SUBTITLE	Press this button to select the available sub-title languages during DTV reception (if any), and to select Subtitle On or Off.
SELECTING A PAGE 	Enter the number of the page required using the 0 to 9 up/down. Example: page 120, enter 120. The number is displayed top left, the counter turns and then the page is displayed. Repeat this operation to view another page. If the counter continues to search, this means that the page is not transmitted. Select another number.
DIRECT ACCESS TO THE ITEMS 	Coloured buttons correspond to the colours at the bottom of the screen. The 4 coloured keys are used to access the items or corresponding pages. The coloured areas flash when the item or the page is not yet available.

GETTING STARTED

Getting Started :

Once you have connected your TV antenna and other AV playback equipment (eg. CD, DVD, Blu-ray player) to the appropriate input sockets on the rear and side of the TV, you will need to be comfortable with selecting several basic operations before setting up your TV using the Menu system.

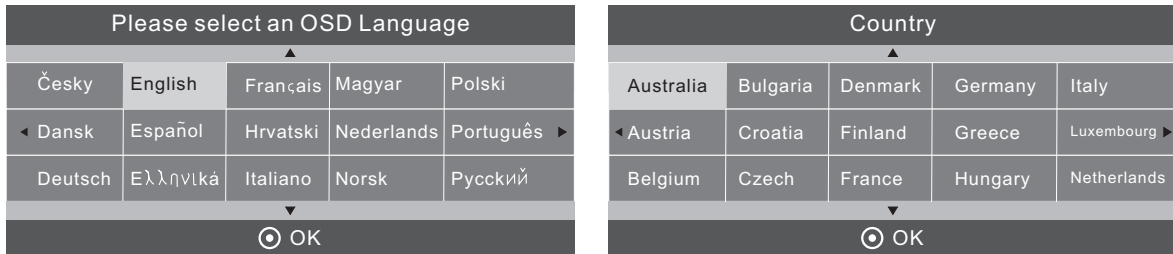
Firstly, the TV has two power modes – Standby and On. In Standby mode, the TV is powered up, but awaits a "power On" command from either the Remote Control or from the Standby push-button located on the lower right-hand side of the TV.

To switch the TV from off into Standby mode, activate the main On/Off rocker switch located at the bottom mid-right side of the TV, and wait for the Red power indicator on the bottom right of the TV to light up. Then, press the red power button on the Remote Control to fully activate the TV (ie. move from Standby to On mode). The power LED on the front of the TV will change from Red to Green colour when the TV is fully powered up, and after approx 10 seconds the screen will become active and can be commanded using the Remote Control.

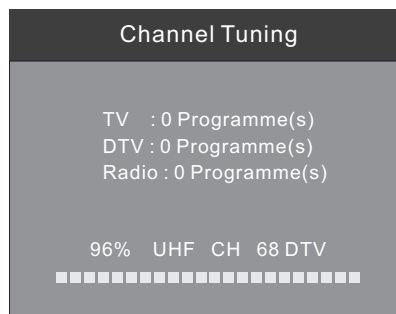
First Powering on the TV :

When you first power up your TV, (or you reset the TV to its factory settings), it will automatically enter the TV Auto Tuning mode. This is where the TV searches for available TV stations and stores the station details it finds. Make sure your TV antenna is connected before proceeding with this operation.

By default, an On Screen Display will offer a language selection (pre-set to English), so just press the OK button on the Remote Control to confirm this option. The OK button is located in the middle of the cursor arrow button area of the Remote Control.



The TV will then offer a selection of countries, with Australia as the pre-set option. Again press the OK button to confirm this selection. Your TV will now scan through all the digital TV (DTV) stations that it can receive using the connected antenna. This process may take several minutes, but once completed, the TV will skip to the first DTV program.



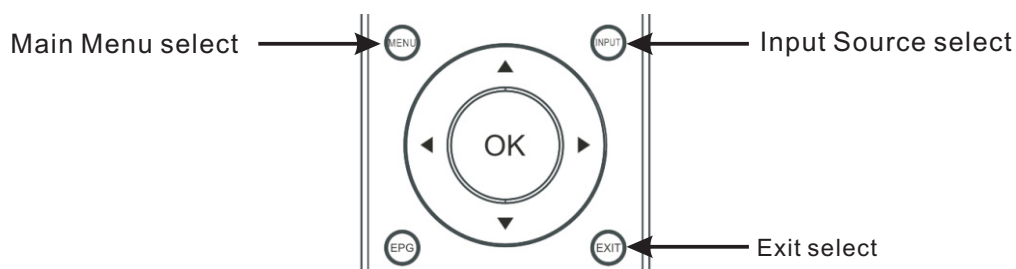
The “radio” channels found during the TV Auto Tuning function are the sound-only services provided by some TV stations. This unit does not receive DAB+ Digital Radio broadcasts.

Using the Main Menus :

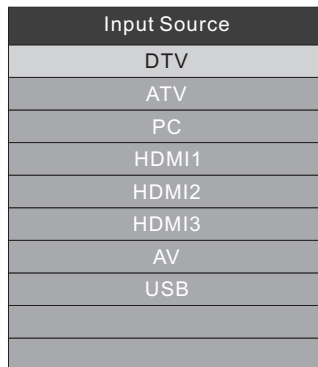
Once the TV has run through the Auto Tune mode and found the available TV stations, you will then need to know how to select the relevant input you want (eg. DTV, AV, HDMI etc), and also how to select and adjust the various Menus that allow you to tailor the operation of the TV to suit your application.

The following pages marked “Menu Settings” will cover the usage and settings of the various menus in more detail. Please read them carefully to gain the most benefit from your TV.

Firstly, on the upper-middle section of the Remote Control are the main cursor selector arrows with the OK button in the middle of them. Directly above and to the left of the cursor arrows is the Main Menu selector button, which displays the Main Menus on the TV's screen. In the following section of the User Manual, when the operation of the options in the Main Menus are being described, you first need to press the Main Menu button to activate the Menu function, then press the Left or Right cursor arrow buttons to select the relevant Menu, and the Up or Down cursor arrow buttons to move within the options inside each Menu. If at any time you mis-select a Menu or setting, press the Exit button (located on the bottom right-hand side of the cursor arrow buttons) to exit the Menu setting.

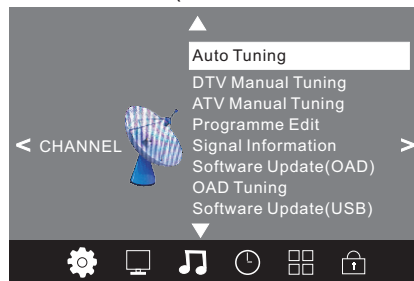


To access the Input Source menu, where you can select ATV or DTV reception, plus access signals from your connected Audio/Video devices (eg, via AV Composite video, HDMI, or PC VGA), press the Input Source button located at the top right-hand side of the cursor selector arrow section of the Remote Control, and once the Input Source menu appears, use the Up or Down cursor arrow keys to select the desired input, then press the OK button.



1. CHANNEL MENU

The first item of the MENU is the Channel menu (for ATV or DTV source only). ATV = Analogue TV, DTV = Digital TV.



1). Auto Tuning:

When Auto Tuning is manually selected via the Channel Menu, the TV will default to tuning the DTV stations only (unless you manually select the other options of ATV or ATV+DTV).

Press ◀▶ to select search type, then press ◀▶▼▲ to select country (eg. Australia), then press the OK button to start auto tuning.

All the channels including ATV, DTV and Radio can be tuned at once, if the Tune Type is set to DTV+ATV. Any previously stored channels will be deleted after auto tuning is carried out.

After auto tuning, the receiver will skip to the first DTV channel.

The radio channels are the ones provided by some TV stations. This unit does not receive DAB+ Digital Radio broadcasts.

2). DTV Manual tuning:

You can select a DTV channel and find out how many programs are being transmitted on that channel. Press ◀▶ to select the channel, then press OK to search the programs .

NOTE:

The Bad Normal Good bar graph on this screen shows the relative signal intensity during DTV reception only. To obtain more detail regarding the signal quality and strength of a received DTV station, refer to the Signal Information option in this Menu.



3). ATV Manual tuning :

You can change the sound system, search the analog TV channels and fine tune them, then store the channels you selected. In Australia and New Zealand, select the "BG" sound system. This menu is handy if you are using your TV to watch analogue signals from a VCR or from older equipment using an RF modulator.

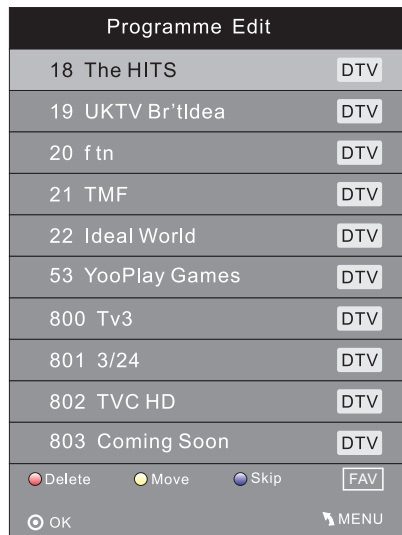


NOTE:

Press the red button on the remote control to store the channel details after manual tuning.

4). Program Edit:




You can Delete, Move, Skip, or FAV most TV programs from the list of TV stations previously located during the initial Auto Tuning process.




Delete

Press the red button on the Remote Control and the program in the cursor will be deleted from the list of stations. To restore a deleted channel, perform a complete Auto Tune.


Skip

Press   to choose the program, press the blue button on the Remote Control to skip this program from future up/down manual channel selections, and the  symbol will show on the right side of the program name.

Choose the skipped program, press the blue button again, you can cancel the skip and the  symbol will disappear.

Favourite

Press   to choose the program, press the FAV button on the remote control and it will show a  symbol on the right side of the program name and it will be added to a Favourite List in your TV.

Choose the FAV program, press FAV button again, you can cancel the FAV setting and the  symbol will disappear. Once your Favourite List is created, you can press the FAV key on the remote control during TV reception to quickly access your favourite channels.

5). Signal Information: This screen provides details of the Strength and Quality of only the DTV signals being received by the TV, and provides a relative score for each function. These readings can be helpful when investigating possible reception problems and checking the relative performance of your TV antenna and cabling system. Ideally, the scoring for both Strength and Quality should be as close to 100% as possible (and generally over 75 – 80%), and the readings should be stable when viewed over short periods. Variations in either reading may indicate an antenna or cabling issue that requires attention (eg. broken or damaged TV antenna, loose or damaged cabling, problem with masthead amplifier etc).

6). Software Update (OAD): This setting should be set to Off in Australia.

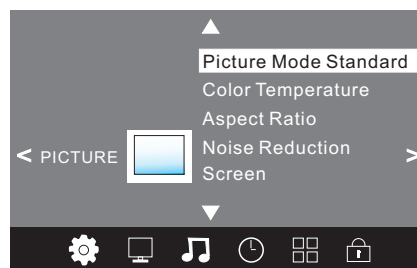
7). Software Update (USB):

WARNING: Do not attempt to use this option unless you have a valid software program for the GE6993 TV stored on a compatible USB drive, and the drive is connected to the TV. Remove the antenna cable from the TV RF socket, go to the channel Menu, select "Software Update (USB)" and press OK to run the update.

2. PICTURE MENU

The second item of the MENU is the PICTURE MENU. You can adjust picture effects here, such as contrast, brightness, etc.

Press ▼▲ to move, press OK to adjust.



Picture Mode	Standard	Color Temperature	Medium	Screen
Contrast	50	Red	50	Auto Adjust
Brightness	50	Green	50	Horizontal Pos.50
Color	50	Blue	30	Vertical Pos.50
Sharpness	50			Size 50
Tint	50			phase 38
				OK

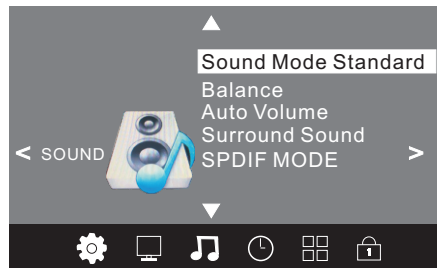
NOTE:

- 1). In the Picture Mode sub-menu, the Tint option is available in NTSC system countries only.
- 2). There are four color temperature modes that can be selected: Medium, Warm, Cool and a User adjustment option.
- 3). The Aspect Ratio option allows you to select either Auto, or manually select 4:3, 16:9, Zoom1, Zoom2 or Just Scan screen ratios. For general use leave this setting in the Auto position.
- 4). The Screen option is only available once the Input Source is set to PC and a compatible signal is present on the VGA input socket. Once selected, you can adjust the horizontal and vertical screen position, size and phase or select an Auto Adjust mode.
- 5). For improved video processing, access to the Colour adjustment may not be available in the Picture Mode (User) area when the TV is used with progressive scan video material from externally connected equipment. If adjustment of the Colour control is required to correct defective source material, change the video mode of your connected equipment to an interlaced format.
The TV's default for Picture Mode is the "Standard" setting, which is recommended for home viewing.
- 6). The Noise Reduction option is more useful for use in areas using ATV (analogue) transmissions. In Australia, this sub-menu should be set to the Low or Medium position during DTV reception.

3. SOUND MENU

The third item of the MENU is the SOUND MENU.

You can adjust sound effects here such as Treble, Bass, balance etc. Press ▼▲ to move, press OK to adjust.



Note:

- 1) There are five Sound modes that can be selected: Standard, Music, Movie, Sports, and User. The User option allows you to adjust Bass and Treble sound effects from the TV speakers to suit your listening preferences. NB. These sound modes are not active on the audio outputs of the AV OUT sockets, or when using HDMI ARC mode or the Digital Coaxial audio output .
- 2) The Auto Volume option helps reduce excessive input signal variations that may lead to distorted sound. For most standard installations, this sub-menu should be set to the Off position.
- 3) The Surround Sound option generates an artificial widening of the sound stage from the TV. If this sound effect is not suitable in your installation, leave this sub-menu in the Off position.
- 4) The SPDIF Mode option affects the format of the Coaxial digital audio output from the socket on the rear of the TV. Unless you need to force the output format to Bitstream (Auto), leave this setting in the PCM position.

4. TIME MENU

The fourth item of the menu is the TIME MENU. You can adjust the clock, power on/off times, sleep timer etc Press ▼▲ to move, press OK to adjust.

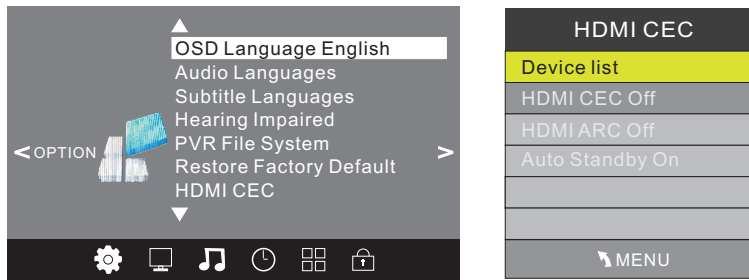


Note:

- 1) The clock time is automatically set by reading the time data that is transmitted by local Digital TV stations.
- 2) The Off and On timers allow you to program the TV to switch On and Off at specific times that you set. In order for this function to operate, the TV must be powered up (ie. mains power switch on the TV is On) and in Standby mode. The Off and On timers have 6 different setting options: Once, Every Day, Mon – Fri, Mon – Sat, Sat – Sun, and Sunday. You can set the TV channel and volume settings for most options (except for the Once setting, where the TV's last channel and volume settings will be used).
- 3) The Sleep Timer allows you to select from a range of pre-set times (between 10 minutes and 240 minutes long) that the TV will operate for before returning to the Standby state.
- 4) The Time Zone setting of the TV is initially set using data from local Digital TV stations. You can manually adjust the time zone in the TV if required (eg. for locations where DTV signals are not available).

5.OPTION MENU

To enter the Option Menu, press the MENU button and then press ◀ or ▶ buttons to select the Option Menu. Once in Option Menu, press ▼ or ▲ buttons to select the settings you wish to adjust. Press the MENU button again to return to the Main Menu.



Note:

1) The OSD Language option allows you to select the language used in the various TV menus from a wide selection. At the initial setup stage of the TV, the default language is English, and it is recommended that this setting is not changed unless you are fluent in any new language chosen.

2) The Audio Languages and Subtitle Languages options relate to DTV reception only. Some TV channels transmit their audio and subtitles in more than one language, and if this is known in advance, you can select this alternative language. At the initial setup stage, the default language is English, and it is recommended that this setting is not changed unless you are fluent in any new language chosen.

3) HDMI CEC (Consumer Electronics Control) allows your TV to share control of some functions with various compatible equipment via an HDMI cable connection. The HDMI cable connecting your equipment to this TV must support both ARC and CEC functionality.

For example, with HDMI CEC set to "On" in the TV's menu and also on an HDMI connected device that supports CEC (eg. a Blu-ray player), selecting the HDMI input on this TV sends a signal to the Blu-ray player and may switch it On from its Standby state (depending on the player's CEC capabilities).

If the HDMI CEC and Auto Standby options in the HDMI CEC menu are both set to "On" in the TV's Option menu, and the connected equipment supports the Standby function, then switching On the HDMI connected player may also switch On the TV from its Standby state. This activity may even set the TV to the HDMI input that the external device is connected to (again, these examples depend on the capabilities of your connected equipment).

The HDMI CEC system supports a wide variety of commands, many of which may not be applicable to this TV or any connected HDMI equipment. Refer to the User Manual of your other equipment to check what areas of the CEC commands they may be able to work with. If after selecting CEC operation you find the TV or any connected equipment performing unusually (eg. switching itself back on after you're switched it back to the Standby mode), your connected equipment may not be compatible with this TV, and the HDMI CEC sub-menu should be set to the Off position.

4) HDMI ARC (Audio Return Channel) may allow compatible equipment connected to the TV (eg. a Sound Bar) to receive audio from the TV via a "return" channel in a compatible HDMI cable, so that sound is heard thru the Sound Bar without having to connect a second cable between the two devices. Some other functions, such as use of the TV's remote control to control volume on the connected equipment, may also be applicable.

The HDMI cable that connects the TV to the Sound Bar must be a High-speed version which supports both HDMI CEC and HDMI ARC (or HDMI HEAC) operation in order for the ARC function to operate correctly.

HDMI CEC and HDMI ARC options need to be switched On in the HDMI CEC sub-menu within the main Option Menu, and any ARC compatible equipment must only be connected to the HDMI 1 input of the TV. Also, the SPDIF Mode option in the main Sound Menu may need to be set to "PCM" mode to allow ARC operation.

As ARC functionality differs widely between different products and brands, if after selecting ARC operation you find the TV or any connected equipment performing unusually, turn off the HDMI ARC function and use the analogue Audio Output sockets or Coax Digital Audio socket on the TV to connect audio to your Sound Bar or home theatre system.

PVR FILE SYSTEM

In the PVR File System sub-menu you will be asked to format your USB 2.0 flash drive or Hard Disc for PVR Operation. If you are not familiar with the various drive or partition options for storage devices, start this process using a blank (ie. unused storage device), or one which does not hold sensitive or required data.

Select Disk	C:
Check PVR File System Start	
USB Disk	
Format	
Time Shift Size	
Speed	
Free Record Limit 6 Hr.	

Select Disc

To view and select the USB drive or Hard Disc that you would like to record to, press the OK button to enter the Select Disk sub-menu and then press ◀ or ▶ buttons on your remote control to select the particular storage device type that is connected to the TV. Press the OK button to return to the PVR File System sub-menu.

Check PVR File System

Press the OK Button to start checking the file system of your USB storage or Hard Disk and check the recording speed capability of the connected device. Once SUCCESS is shown after checking, you will then be able to begin recording or use the Time Shift function. If FAIL is shown after checking, you will need to format your USB drive or Hard Disc before being able to record or use the Time Shift feature. Use of the High Speed format option is recommended.

Format

When you format your USB flash drive or Hard Disc any saved data will be lost. This TV primarily supports USB 2.0 flashdrives and hard-drives, with its USB socket supporting up to 500mA current drain. USB 3.0 drives (operating in USB 2.0 compatibility mode) may also be usable, but their compatibility will need to be checked on a case-by-case basis.

File System Size	
PVR File System Type	FAT32
PVR File System Size	All
SD 13 Mins	
HD 3 Mins	
MENU	

PVR File System Type

There are two types of supported formats: FAT32 and Hi Speed Format. You can press ◀ or ▶ buttons to choose the type of formatting. If FAT32 is selected, you will have to format the whole of your USB drive. If Hi Speed Format is selected, you will then be able to press ◀ or ▶ buttons to select the size you wish to use (for example 1GB, 10GB, 20GB... or All). Once a particular size is booked for recording, you will be able to use the remaining space of your USB drive or Hard Disc for other data storage.
WARNING: Please note no matter which size is booked for recording, all the data in the allocated partition of the Hard Disc will be lost after formatting. During Hi-Speed formatting of some USB drives, you may need to select a smaller Time Shift size than the maximum capacity of the drive, as some storage capacity is used in the PVR set-up process.

Speed

This will show the supported speed of recording, and whether your storage device can support HD DTV recording. Speeds above 5,500kb/s are usually more successful when recording HD TV material.

Record Limit

This will show the approximate time you will be able to record on to your USB drive or Hard Disc.

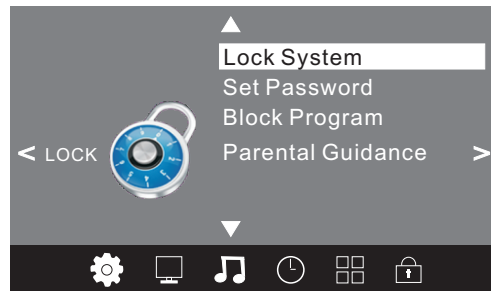
FACTORY RESET :

If you wish to reset your TV, please select the Restore Factory Default option, this will clear all settings.

6. LOCK MENU

To enter the LOCK Menu, press the MENU button and then press ◀ or ▶ buttons to select the LOCK Menu. The default password is 6666.

Please set a new password so it is easy to remember. Follow the on screen steps to set your new password.



To enter the Lock sub-menu options, select Lock System and press OK. You will be required to enter your 4 digit password (default PIN is 6666), then press OK to select the On mode. Use the Up/Down cursor buttons on the Remote to select the areas you wish to adjust for controlled viewing.

Block Program

In this sub-menu you can select one or more TV channels to be blocked from access until your PIN password is entered. Each time one of these "blocked" channels is selected, the PIN must be entered before the channel can be viewed.

Parental Guidance

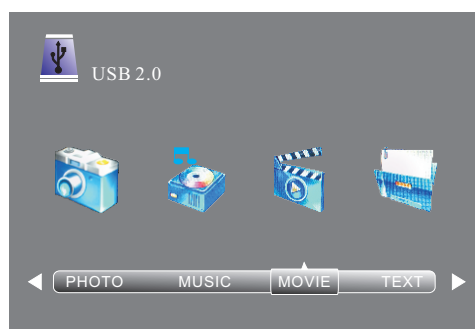
In this sub-menu you can select from a range of Program Classification levels (eg. G, PG, M etc) that will prevent viewing of DTV channels that are broadcasting material with a Classification equal to or above the level you have selected. For example, if you select the PG rating, a PG rated TV program will require a PIN to be entered for viewing, but a G rated program will be able to be viewed normally..

Once the Parental Guidance mode is turned on, you can set viewing restrictions during DTV TV reception only.

7. USB SOURCE

To enter the USB SOURCE menu, press the Input Source button on the Remote Control, and then select USB. This is where you will be able to view and play various limited low data-rate USB media files such as JPEG, MP3 and AVI formats, or play back recorded DTV programs.

Use the ◀ or ▶ buttons on the remote control to select the file playback type (eg. Photo, Music, Movie, Text), then press OK. You can preview a selected file by highlighting it using the cursor arrows and pressing OK. Press the ▶ Play button on the Remote Control to show it in full-screen size. Press the INFO button to bring up a controls tab at the bottom of the screen, allowing easier control of play, pause, stop and repeat modes. Press the EXIT button repeatedly to progressively return back to the USB menu. Refer to page 27 for further details regarding USB play operation.

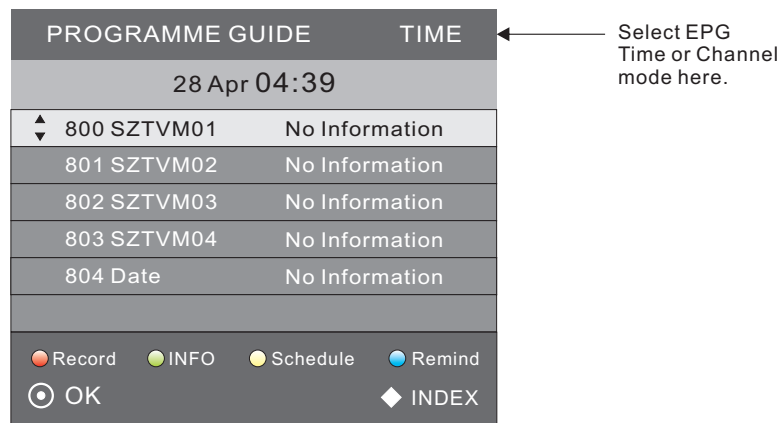


8. EPG Menu (Electronic Program Guide).

The EPG Menu is used to look at what is being broadcast by DTV stations. After you turn the TV on and select the DTV input, your TV will commence receiving EPG data progressively over a period of time (typically up to half an hour, depending on the number of stations being received). Press the EPG Button to access the EPG Menu. You will receive detailed program information on the channel you are currently watching as well as programs in the near future. Press the ▲ cursor to move to the top of the EPG screen to the Programme Guide tab, then press the ► cursor to select either Time or Channel listings.

In the Time mode, move the highlighted tab down to the date line using the cursor keys, then press the ◀ ▶ cursor keys to select the desired reception date. Use the ▼ down cursor to move thru the available programs for the selected date and time.

In the Channel mode, use the cursor keys to select the desired DTV channel, then scroll thru the available programs into the near future. If a DTV channel shows “No information”, it means that the EPG has not yet loaded the data for that channel. You can speed up this process, (just for this channel), by using the ▲▼ cursor keys to select the channel in the EPG list, then press OK on the Remote Control. The TV will change to the newly selected channel, and start loading the EPG data. Once the selected program is chosen you can select to tag it for Reminder activity using the Blue button on the Remote Control, and then view the planned activity in the Schedule List.



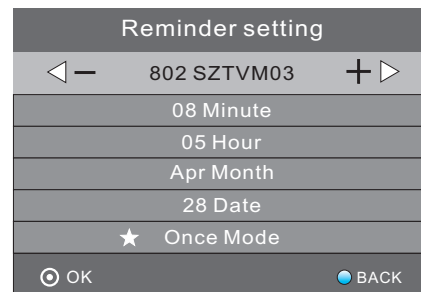
1. INFO

Use ◀▶ to select a program and then press the Green Button or INFO key on the Remote to display the highlighted program's information (if transmitted by the TV station).

2. Schedule

Press the Yellow button to list all the stored reminders in the Schedule List. Press ▼▲ to choose within the list, press red key ● DELETE to delete a selected item within the schedule list, then press EPG to return to the EPG menu.

Schedule List 04:55 28th Apr Delete				
Time	Date	Programme Title	Channel Name	



3. Remind

Press the Blue button on the Remote Control to book a DTV program for future viewing and add it to the Schedule List. Only future programs can be booked, and an on-screen warning will be displayed if you attempt to book a currently running program. You can select the Reminder setting to run Once, Every Day, or Weekly. Press the ▼▲ cursor buttons to move within the Reminder Setting area, then use the ◀▶ cursor buttons to change the required settings.

4.  Record

Press the Red button to book a DTV program for future recording and add it to the Schedule List. Once the Record settings are in place, the TV will make the recording even if the TV is in Standby power mode. Move the cursor to the bottom of the Recorder screen to first select from Auto, Once, Everyday or Weekly recording options. Then, apart from the Auto option, you can adjust the start and stop times to account for changes in the TV station's schedules, as many programs are not always transmitted at the time stated in the EPG; most programs often run a few minutes late. To avoid missing the end of a program, you can modify the finish time manually, e.g. a finish time of 14:30 can be manually "bumped" to 14:40 to ensure the entire program gets recorded.

9. PVR function

1). Prepare to record the program

Before the PVR function can be used, a suitable USB storage device (USB flash-drive or USB hard-drive) must be connected to the USB socket on the rear side panel of the TV. The USB storage device should only be connected or disconnected when the TV is switched off. The USB PVR function relies on the use of high quality USB drives, with higher speed models likely to provide improved performance. From the Option Menu enter into the PVR File System and choose "check PVR File System". Click "OK", and wait until "checking" changes into "Success".

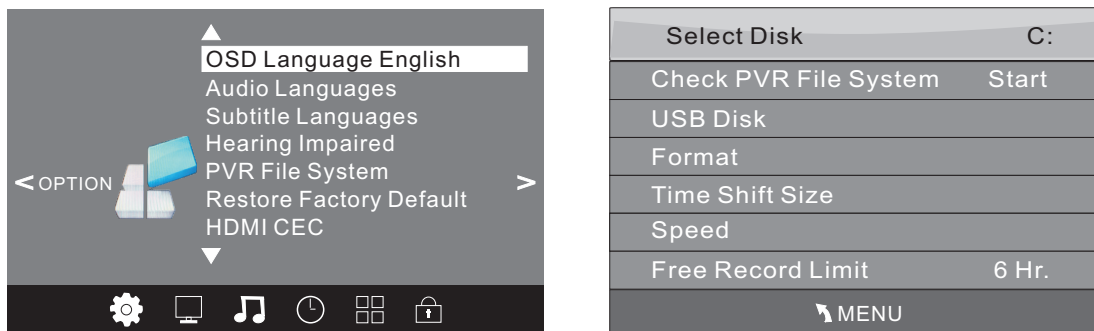
Note: please check the result marked "Speed". If it is "FULL HD support", that means the speed of your USB device is suitable for time shift and record functions. If not, please format the device, to make sure the USB device is capable of handling the recording functions. The default "Free Record Limit" is 6 hours, if the space on the disk is big enough. If the space is not big enough, the record time will be shorter, depending on the capacity of the device. During the "check PVR File System" checking, please do not take any other operation until it is finished.

The recordings have to be done from within the TV PVR system. The recordings can only be played in the same TV, and generally not in any other kind of devices (computer, DVD, etc...) which are not compatible with the .TS file format.

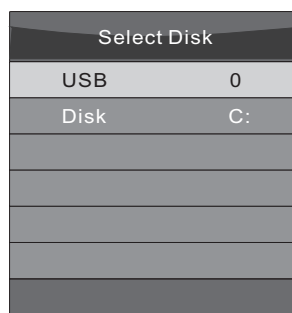
In order to carry out any kind of recording, the TV will oblige you to format the connected USB device to store the recording. The High Speed format option is recommended for better HDTV recording results.

WARNING. WHEN YOU FORMAT THE EXTERNAL USB DEVICE YOU WILL LOSE ALL THE FILES AND INFORMATION STORED ON THE DEVICE.

From the OPTION MENU, enter into the PVR File System as below:

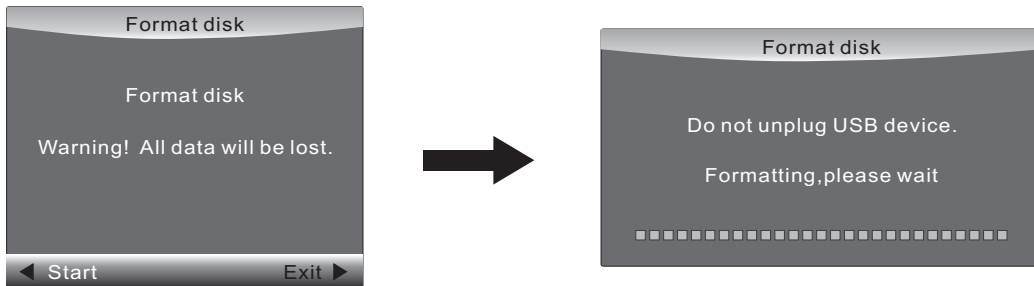


Select Disk: select which USB drive type to save the recorded file onto, then press OK to return to the PVR menu.

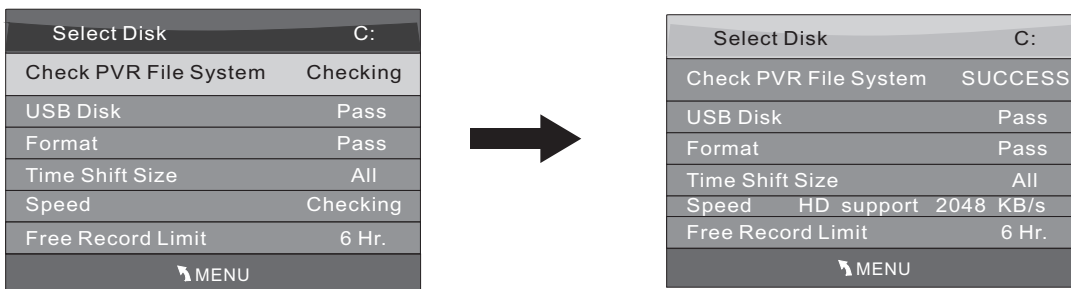


Check PVR File System: checks if the PVR File System set up will work with your USB device or not.

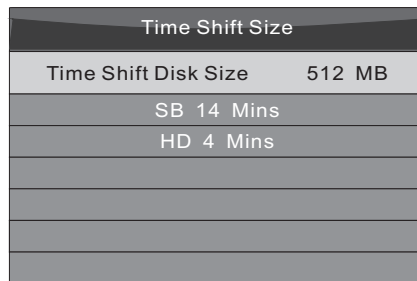
Format: Refer to the details on formatting on page 20 before using this option for the first time. Once you have selected the type of formatting of your USB storage device, your TV will show various progress screens (see below).



When the Format process has finished, you can then use the "Check PVR File System" option to show the speed ability of your USB storage device. Press EXIT to return to the TV mode.



If you selected the "Hi Speed FS" format mode, you can then use the ◀▶ cursor buttons on the Remote Control to change the Time Shift memory size. Remember to set the Time Shift size to be smaller than the capacity of your USB storage device, or the Speed test may report an error.



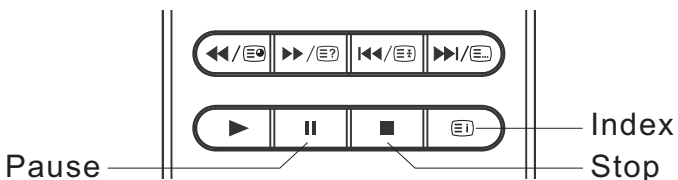
2). Recording a DTV program

When viewing a DTV program, press the "REC" button on the remote control and the record control tab will pop up and the PVR will commence recording. Click the "REC" button again and the record control tab will disappear while the "REC" icon will remain on the top left of the screen. It will disappear when you click the ■ "stop" button on the remote control, and the PVR will finish recording.

PVR recording of DTV programs can also be accessed thru the EPG, and future recordings can be accessed using the Schedule List option. Refer to the EPG Menu section on page 23.

3). Playing back the recording:

In the USB drive, the recorded program will be saved in the folder "_MSTPVR" on the device. To play back the .TS format files, use the DMP (Digital Media Player) function as shown on page 27, and select Movie as the type of file to play back. Alternatively, press the Index button on the Remote Control to display the Recorded List, which shows the name of recorded DTV material on the attached USB drive. The order of the recordings can be selected by repeatedly pressing the Index button to view in Program, Channel, or Time order.



N.B: DTV recordings that are played back using the Recorded List option may lose Video/Audio sync if Fast Forward/Rewind is used; use the DMP for searching thru larger recordings. To delete unwanted recordings, select the file in the Recorded List and press the Red button on the Remote Control.

1. Recordings may become pixelated if the DTV video bit rate is too high for your USB device, especially during recordings or Time Shift of high-definition material. If this occurs, try using a faster USB drive, or re-format it using the High Speed format option. Note – this may make the drive un-readable in other devices.
2. The USB PVR function relies on the use of high-quality USB 2.0 drives, and as such may not be compatible with some specific USB devices (eg. low-cost USB flash-drives with slower memory components, or USB drives with any form of "smart" operation such as auto-backup, encryption, or similar functions). Also, some USB 3.0 drives with USB 2.0 compatibility may not be suitable for use with this TV.
3. Due to file size limitations during recordings of DTV material onto the connected USB device, recordings over approx 1 - 1.25 hours in length will be broken into separate files that can be played back as a semi-continuous file using the DMP function (refer to page 27).
4. Any USB drives connected to this TV need to be low power versions (eg. portable types), or must be used with an external power source to prevent overloading the USB socket on the TV.

10. Timeshift function

Prepare to record the program

This TV allows you to pause and record the currently watched digital TV program to a USB storage device, and to resume viewing at the point where it was paused.

NOTE:

Formatting a USB 2.0 storage device will be needed. Save any original data on your USB device to another device (eg. your PC) before formatting. All the data stored in the USB device will be erased after formatting.

USB Drive Storage Format

Follow the Format instructions on page 20 of this Manual to format the USB device and allocate the amount of space for the Time Shift function.

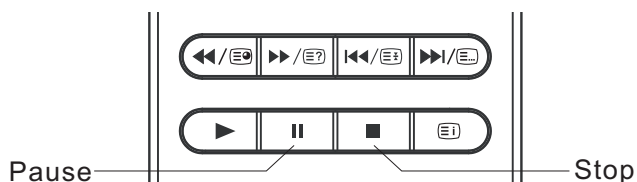
NOTE:

The format process will take at least 2 minutes depending on the capacity of your USB device. Please do not turn off the power or remove the USB device during formatting. The High Speed format option is recommended for better HDTV recording results.

During formatting, a speed test will be done on the USB device. If it fails, it means the USB device may not support the Time Shift function.

Record a paused DTV program to USB storage device

1. While in the DTV input source, check that your USB storage device is plugged into the USB port on the side of your TV.
2. Select a DTV channel, then while receiving the channel press **PAUSE** to start the Time Shift function. The TV program will be paused on screen; the Time Shift OSD appears and recording commences. Press **▶** play to playback the time-paused material.
3. Press **STOP** to stop the Time Shift function and stop recording program.

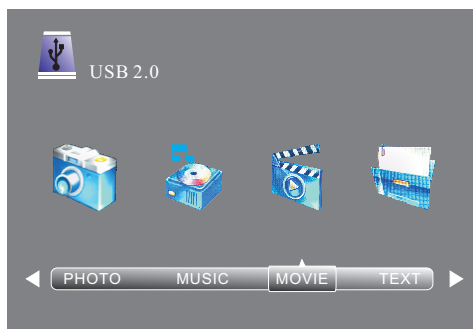


NOTE:

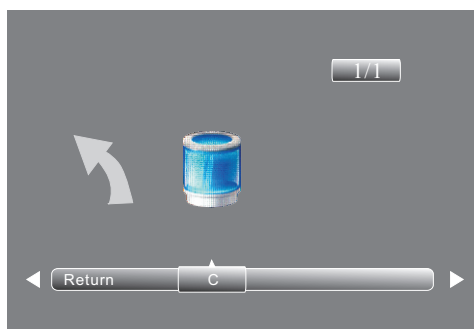
Please do not unplug the USB storage device when the Time Shift function is activated, as damage to the recorded file or the USB storage device may occur. Approximately 4GB of memory buffers about 30-40 minutes of DTV material.

11. Digital Media Player (DMP)

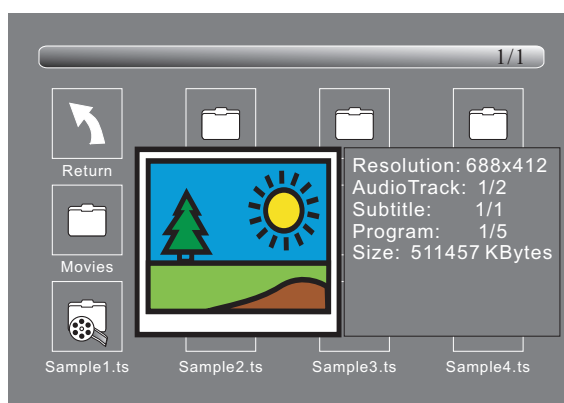
To play and view limited types of low data-rate USB media files (such as JPEG, MP3, or AVI formats), and to view DTV programs recorded by this TV, use the USB Source that is accessible from the Input button on the Remote Control. For playback of high data-rate media files the use of an external Media Player (not supplied) will be required.



Please make sure that the USB device is plugged into the USB socket on the side of the TV. There are four media types that can be selected, such as Photo, Music, Movie, and Text. Select the type of media item by pressing ◀ ▶, press **OK** button to enter the disk selection menu.




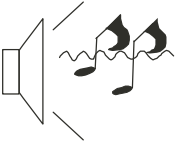

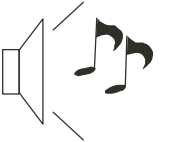
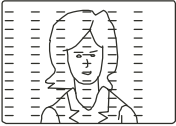
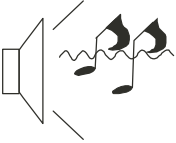

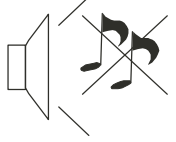

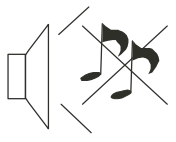

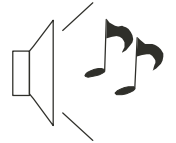
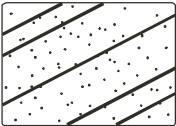
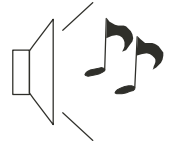

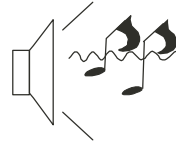

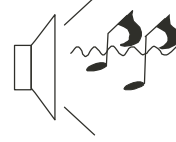
Press the ◀ ▶ cursor buttons to select the correct disk and press **OK** to display the media files and folder list or press EXIT to return to the media type selection menu. Once you have selected the required media type and drive details, you can view the various files and folders on screen.



Select the media file by pressing ◀ ▶ or ▼ ▲, then press **OK** and the preview frame will pop up if the file is playable. Press the play ▶ button to play the media file in full screen mode. If you are playing back a DTV recording made on this TV that is longer than approx 1.25 hours, don't use the preview function (just select the file to play using the cursor buttons, then press the Play ▶ button). When the media file (Photo, Music, Movie, or Text type) is playing, press the **OK** or Info button to display the control bar at the bottom of the screen.



In the control bar, press ◀ ▶ to select the function icon, then press the **OK** button to confirm the function. Press ▼ or EXIT button to exit the control bar.

Trouble phenomenon		Symptom		Inspection Check
Picture		Audio		
	Snow		Noise	antenna position, direction or connection
	Ghost		Normal audio	antenna position, direction or connection
	Interference		Noise	electronic equipment, car/ motorcycle, fluorescent light
	Normal Picture		Mute	Volume (check if mute is activated or if the audio system connections are not correct)
	No picture		Mute	Mains Power cord is not inserted Mains Power switch is not activated Contrast and brightness/volume setup Press Power/Stand-by key on the remote control
	No colour		Normal audio	Colour control
	Picture breaking up		Normal audio or weak	retune channel, check antenna direction or connections.
	No colour		Noise	TV system
	Mosaic		Unnormal	Antenna loose, or weak DTV signal.

Please turn on the main power switch at the bottom mid right-hand side of the TV before attempting to turn on the TV via the Standby button or the Remote Control.

LCD :	
Viewing Picture Size (diagonal)	41.5" (105.5cm)
Resolution	3840 x 2160
Aspect Ratio	16:9
Display colours	1.07G
Brightness (typical)	250 cd/m ²
Contrast ratio	5000:1
Response time	9.5ms
View angle (max)	160°(H) /150°(V)
TV:	
TV system	Digital TV: DVB-T Analog TV: PAL
DVB-T decode	MPEG2
DVB-T de-modulation	Demodulator : COFDM OFDM Mod.: 2K, 8K FFT, SFN and MFN Packed Carriers: 2K/8K Guard Interval: 1/4, 1/8, 1/16, 1/32
Terminals:	
HDMI Inputs	2 x v1.3; 1 x v2.0 (with HDCP 2.2)
VGA Input (15 pin D-type)	1
Audio Input (RCA sockets)	1 (L+R)
PC Audio Input (3.5mm socket)	1
Composite Video Input (RCA)	1
Audio Output (RCA sockets)	1 (L+R)
Headphone output (3.5mm socket)	1 (L+R)
USB (media play, software update) input	1
Coaxial digital audio output	1
Others:	
Input Voltage	100V-240V~ 50/60Hz
Power consumption	80 W
Audio Output Power (THD≤7%)	2x10W
Dimensions (approx):	94.7 x 59.3 x 20cm (W.H.D) with stand fitted