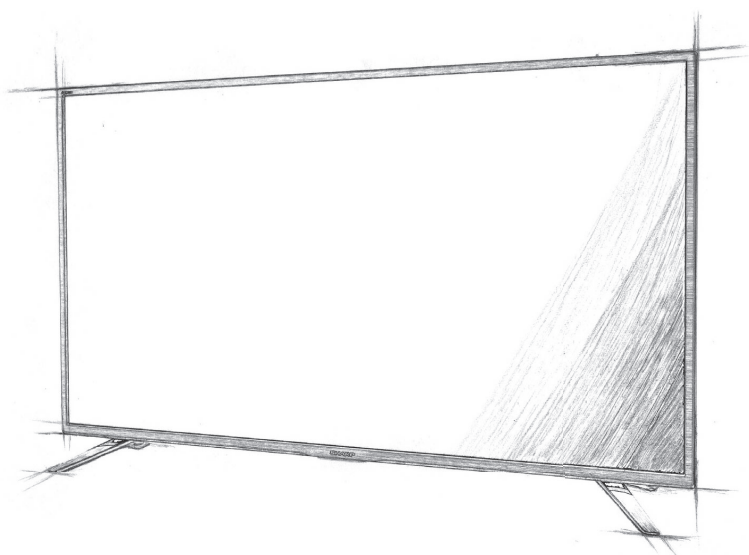


# SHARP



## Operating Instructions

Operation Manual

EA Series

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# IMPORTANT GUARANTEE INFORMATION

Thank you for purchasing this television. We hope you have many years of trouble free enjoyment from your purchase.

Your product is covered under the manufacturers' guarantee for 12 months from the date of purchase.

If you experience any difficulties with your TV, please refer to the 'Frequently Asked Questions' section at the rear of these Operating Instructions.

If you are still unable to remedy the issue, try resetting the TV to factory settings - details can be found in the 'Setup' menu section of these Operating Instructions - alternatively, please contact the helpline.

In the event that a fault is diagnosed, the helpline will arrange to collect the TV from your home or work address, return it to our service centre, repair the item and then return it to you.

If we believe we cannot offer a permanent repair, we will replace the item.

## **Technical Support Information**

### **Telephone**

**UK** 0330 024 0803 **ROI** 01443 3323

**Web support:** [www.umc-uk.co.uk](http://www.umc-uk.co.uk)

**Email:** [service@umc-uk.co.uk](mailto:service@umc-uk.co.uk)

Calls to 0330 numbers are charged at standard call rates and are included as part of any bundled minutes with your phone provider.

The telephone opening hours are Monday to Friday 8.30am to 6pm, Saturday 9am – 5pm.

Please note these hours are subject to change periodically.

UK: Calls are charged at your normal telephone call rate.

ROI: Calls are charged at a local rate.

**Please retain all packaging materials, in addition to your proof of purchase/receipt, as you will need these in the event of warranty/service support.**

This guarantee is in addition to and does not affect your statutory rights.

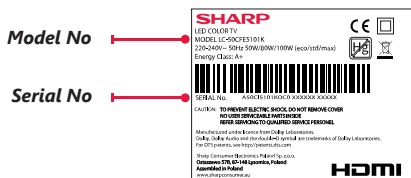
If you need to call the helpline, you will need the following information.

**Model No:** \_\_\_\_\_ (You can find this on the rear of the TV)

**Serial Number:** \_\_\_\_\_ (You can find this on the rear of the TV)

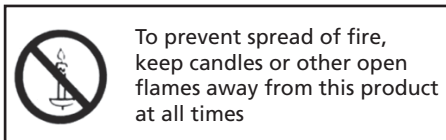
**Date of purchase:** \_\_\_\_\_ (You can find this on your sales receipt)

### EXAMPLE OF LABEL ON REAR OF TV



**This TV set is for domestic use only**

## Important Safety Instructions



**Please read these instructions. All of the safety and operating instructions should be read before the appliance is operated.**

### Warnings

- Television sets with 40" screens or larger must be lifted and carried by at least 2 people.
- This television does not contain any parts that are serviceable by the user. In the event of a fault, contact the manufacturer or authorised service department.
- Exposing the internal parts of the TV may endanger your life. The manufacturer's guarantee does not extend to faults caused by repairs carried out by unauthorised third parties.
- Do not use the TV set immediately after unpacking. Wait until the TV warms up to room temperature before using it.
- To reduce the risk of fire, electric shock or damage to the TV, do not expose it to dust, rain or moisture. Never expose the TV to dripping or splashing and do not place objects filled with liquids on or near the TV.
- Do not connect any external devices (DVD player, games console etc.) when the TV is switched on. Disconnect both the TV and device from the mains before connecting. Only switch appliances on when the connection process is complete.
- Do not place the television in a confined space and do not obstruct the ventilation openings at the rear of the television.
- When installing on a wall, ensure the TV is at least 5cm from the wall for ventilation.
- Always ensure that the TV's ventilation openings are not covered with items such as newspapers, tablecloths, curtains, etc.
- Dispose of this television and any components including batteries in an environmentally friendly manner. If in doubt, please contact your local authority for details of recycling.
- Ensure this TV is used in moderate climates only.
- In cases of electrostatic discharge (ESD) the TV may operate incorrectly. If this happens, turn the set off at the mains and then turn back on again after 30 seconds. The set should now work normally.

**WARNING: Never place a television set on an unstable surface. The TV set may fall causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:**

- Use cabinets or stands recommended by the manufacturer of the television set.
- Only use furniture that can safely support the television set.
- Ensure the television set is not overhanging the edge of the supporting furniture.
- Do not place the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Do not place the television set on cloth or other materials that may be located between the television set and supporting furniture.
- Please educate children about the dangers of climbing on furniture to reach the television set or its controls.
- If your existing television set is being retained and relocated, the same considerations as above should be applied.

### Safety

- For your safety, this appliance is fitted with a fused 3 pin mains plug. Should the fuse need to be replaced, ensure that any replacement is of the same amperage and approved with the BSI mark.
- Never try and replace the mains plug unless you have adequate qualifications and are legally authorised to do so. In the event that a replacement mains cable is required, contact the manufacturer for a suitable replacement.
- Never use the television if it is damaged in any way.
- Always place the television on a flat level surface avoiding anywhere which may be subject to strong vibration.
- The ideal distance to watch the television is from approximately 2.5-3 times the length of the diagonal measurements of the TV screen away.
- Ensure the television is not placed on top of the power cable as the weight of the television may damage the cable and cause a safety hazard.
- Never place mobile phones, speakers or any other device which may cause magnetic or radio interference, near the television. If interference is apparent, move the device causing the interference away from the television.
- To disconnect the set from the mains, remove the mains plug from the socket.
- Ensure that the mains plug is always easily accessible.
- When handling the set do not grip the LCD screen/glass.
- Do not pull the set when mounted on a bracket. If using a moveable bracket, adjust via the bracket and not the TV set.
- Do not place this set above a heat source.

**WARNING: Excessive volume when using earphones and headphones can cause damage to hearing.**

## Important Safety Instructions



- Time displays.
- Teletext: Do not view a static page for a long period of time
- TV/DVD menus: e.g. listings of DVD disc content.
- Pause mode: Do not leave the TV in pause mode for long periods of time, e.g. when watching DVDs or videos.

**Important: Once 'shadow image/screen burn' occurs, it will never disappear and is not repairable under warranty.**

## Maintenance

- To clean your TV, wipe with a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth dampened with a weak detergent solution.
- Never use alcohol, paint thinner or benzene to clean this unit.
- Before using a chemically treated cloth, read the instructions that came with the cloth carefully.

**CAUTION: If water or other liquid enters the television through the display panel surface, a malfunction may occur.**



## Packaging

- The safest way to transport your item is in the original box/packaging - please save your packaging for this.
- You will need the original box/packaging in the event of warranty/service repair or support. We are unable to carry out warranty/service if you are unable to package the item correctly.

## Important information regarding use of video games, computers, captions or other fixed image displays

The extended use of fixed image program material can cause a permanent "shadow image" on the LCD/LED panel, also known as "screen burn".

This "shadow image" can appear in the background during normal viewing. This type of irreversible LCD/LED panel deterioration can be limited by observing the following steps:

1. Reduce the brightness/contrast setting to a minimum suitable viewing level.
2. Do not display the fixed image for extended periods of time.
3. Turn the power off when not in use.

Examples of images that are more likely to cause "screen burn" are as follows (this is not an exhaustive list):

- TV channel logos: e.g. shopping channel logos and pricing displays - especially if they are bright and stationary. Moving or low-contrast graphics are less likely to cause ageing of the screen.

## How do I dispose of this product?

UK: Waste electrical products should not be disposed of with household waste. Please dispose of the product at a designated collection point for recycling of WEEE. For your nearest facilities, please see [www.recycle-more.co.uk](http://www.recycle-more.co.uk) or ask store for details.



ROI: Waste electrical products should not be disposed of with household waste. Separate disposal facilities exist. Check with your local authority or retailer for recycling advice.



## Batteries

- Do not expose batteries to high temperatures, excessive heat, prolonged sunshine or fire as this may cause leakage, explosion or ignition. Observe the correct polarity when inserting batteries.
- Do not use different types of batteries together or mix old and new batteries.
- Dispose of batteries in an environmentally friendly way.
- Certain regions may regulate the disposal of batteries. Please consult your local authority.

## CE Statement:

Hereby, Sharp Consumer Electronics Poland sp. z o.o. declares that this LED TV is in compliance with the essential requirements and other relevant provisions of RED Directive 2014/53/EU.

The full text of the EU declaration of conformity is available by following the link:

[www.sharpconsumer.eu](http://www.sharpconsumer.eu)

and then entering download section of your model and choosing "CE Statements".

This equipment may be operated in all EU countries.

# TRADEMARKS



The DVB logo is the registered trademark of the Digital Video Broadcasting (DVB) project.



The FREEVIEW text and logos are trademarks of DTV Services LTD. © DTV Services Ltd

**SAORVIEW**

SAORVIEW is a registered trademark owned by RTÉ.



Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.



The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

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# CONTENTS

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Guarentee Information .....	3
Safety Instructions .....	4-5
Trademarks .....	6
Wall Mounting and Set Security .....	8-9
TV Control Stick and Input Source Menu .....	10
Using the Remote Control .....	11
<b><u>First Time Installation .....</u></b>	<b><u>12-13</u></b>
Television Menu .....	14
Picture Menu .....	15-16
Sound Menu .....	17-18
Channel Menu .....	19-22
Lock Menu .....	23
Time Menu .....	24
Source Menu .....	25
Setup Menu .....	26-27
USB Menu .....	28
<b><u>Watching TV - Seven Day Programme Guide .....</u></b>	<b><u>29</u></b>
Setting Reminders .....	29-30
<b><u>Connections .....</u></b>	<b><u>31-32</u></b>
<b><u>Troubleshooting Guide .....</u></b>	<b><u>33</u></b>
<b><u>Specifications - USB Media Types .....</u></b>	<b><u>34-35</u></b>

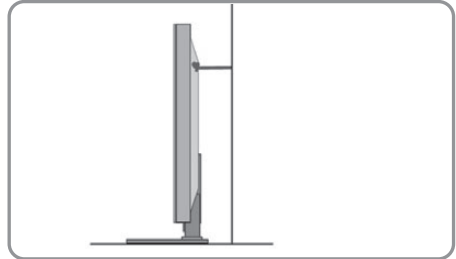
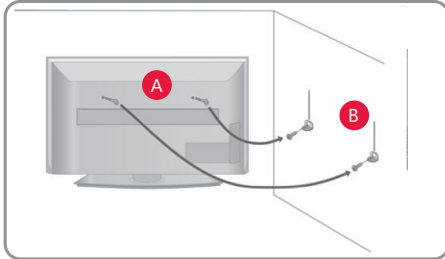
# SECURING THE TV TO A WALL

## Securing the TV to a wall with anti-tip straps

For maximum safety in the home, when using a TV with its stand, anti-tip straps should be fitted. These are available from major retailers & websites and are an easy, inexpensive and effective way of ensuring your TV stays safely upright. Straps are designed to be attached to the rear of the TV and then tethered to the wall or furniture the TV is stood on, these are fitted as follows.

**A** Using one or both of the top wall-mounting holes and screws fasten one end of the fastening cord/s to the TV. (the screws are already supplied in the wall mounting holes)

**B** Secure the other end of the fastening cord/s to your wall. (you will need screws/fixings suitable for your wall type - available separately from most DIY stores).



**Note:** Please ensure that children do not climb on the TV set.

**Note:** When handling the set do not grip the LCD Panel.

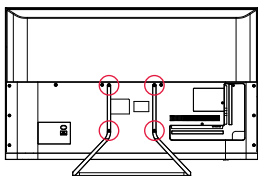
**Note:** Do not pull the set when mounted on a bracket. If using a moveable bracket, adjust via the bracket and not the set.

The Royal Society for the Prevention of Accidents is urging people to take care with flat-screen televisions. RoSPA stated in 2010 that "Toddlers are particularly at risk of pulling flat-screen televisions on to themselves. They are unsteady on their feet and are attracted by colourful television images."

The risk is increased as televisions become lighter.

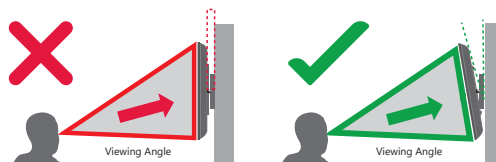
## Wall mounting & Viewing Angle

**IMPORTANT** - Before drilling any holes in the wall ensure you are not drilling where there could be any electrical wires, water or gas pipes.



1. Remove the four screws located at the back of the TV set.
2. The wall mount can now be easily attached to the mounting holes, located on the back of the TV, using the same four screws removed.

**Note:** This diagram to the left is an example of screw positions. Due to model variations, please ensure you check your TV for the exact location of the wall mounting screw positions.



**Important:** If wall mounting this TV, only use the screws already provided in the wall mounting holes.

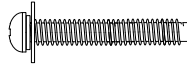
Using other screws which are longer could cause irreparable damage to the internal parts. When using a wall bracket, please ensure the screws in the back of the TV set are not over tightened.



# SECURING THE TV TO A WALL

When wall mounting the TV, ensure that the mains power cable and any other cables connected to the TV from your external devices do not interfere with your wall bracket. On some models, you will find 'spacers' in the accessories pack that should be fitted in between the rear of the TV and the wall bracket in order to prevent trapping any cables. See Fig 1 below.

4 x Screw including D18 washer



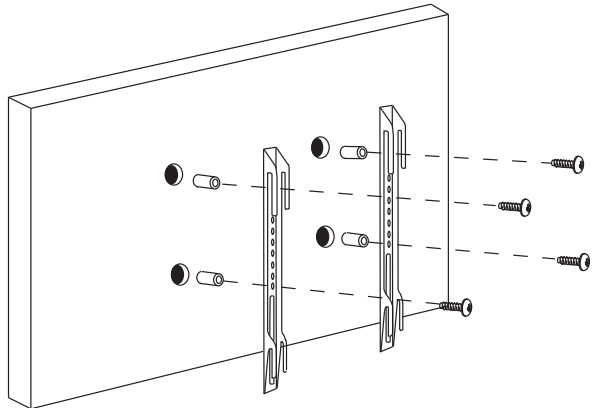
4 x Spacer



These should be used as indicated in the picture below. Ensure that the screws are not overtightened as this may cause damage to the set.

**Note:** The wall bracket type shown in the diagram is for illustration purposes only, other brackets may be used and it is recommended that the spacers and screws are tested to see if they fit correctly before final assembly.

Fig 1.



**Important:** Only use the screws provided to mount the set onto a wall bracket. When using a wall bracket, please ensure the screws in the back of the TV set are not over tightened. Failure to use the correct screws may lead to damage.

**Note:** Spacers and screws are not supplied for all models, refer to the Quick Start Guide for more information.

**Note:** Due to the use of rear facing HDMI connectors, right angled HDMI adapters can be utilized to reduce the space required behind the set to allow the cable to bend safely. There are different types of HDMI angled connectors, ensure that the one being used is suitable for the cable/socket types.

# TV CONTROL STICK AND INPUT SOURCE MENU

For models with the joystick type controller.



## TV Control Stick

The TV control stick is located on the back of the TV. The control stick can be used to control many of the TV functions. The shape of the TV's control stick may vary by model.

While TV is in standby mode:

- Press the centre of the control stick once - Power on the TV set

While watching TV:

- RIGHT/LEFT – volume up/volume down
- UP/DOWN – changes channel up/down
- Press the centre of the control stick once – displays the menu
- Press and hold the centre of the control stick – Standby/Power Off

While in menu:

- RIGHT/LEFT/UP/DOWN – navigation of cursor in on-screen menus
- Press the centre of the control stick once – OK/Confirm selected item
- Press and hold the centre of the control stick – back to previous menu

## Choosing Mode Input/Source

Use the source menu to switch between input/connections.

A) Using the buttons on the remote control:

1. Press [SOURCE] - The 'source' menu will appear.
2. Press [<] or [>] to select the input you require.
3. Press [OK].

B) Using the TV control stick:

1. Press the centre of the control stick once to enter the Control Stick menu.
2. Press the control stick RIGHT/LEFT and navigate through to 'SOURCE' menu.
3. Press the centre of the control stick to enter the 'SOURCE' menu.
4. Press the control stick UP/DOWN to scroll through and select the input/source you require.
5. Press the centre of the control stick to select the chosen input/source option highlighted.

For further information on input/connections please view the 'Connections' pages.

# REMOTE CONTROL

**1**

**STANDBY** - Switch on TV when in standby or vice versa  
**MUTE** - Mute the sound or vice versa  
**DTV** - Switch to Freeview source  
**RADIO** - Switch to radio whilst in Freeview source  
**USB** - Switch to USB source  
**DVD** - Switch to DVD source

**2**

**NUMBER BUTTONS** - 0-9 to select a TV channel directly.  
**TV GUIDE** - Opens the 7 day TV Guide (Freeview mode)  
**↶** - To return to the previous channel viewed

**3**

**VOL (+/-)** - to increase / decrease the sound level  
**P.MODE** - Scrolls through picture mode options  
**S.MODE** - Scrolls through sound mode options  
**FAV** - To display favourite menu  
**CH (+/-)** - To increase or decrease the channel being watched  
**MENU** - To display OSD menu  
**EXIT** - To exit all menus  
**(▲/▼/◀/▶/OK)** - Allows you to navigate the on-screen menus and adjust the system setting to your preference  
**SOURCE** - To display the input/source menu  
**INFO**: Press once for now/next channel information.  
 Press twice for programme information about current programme

**4**

**ASPECT** - to switch the screen between the different picture formats  
**SLEEP** - Press repeatedly to cycle through the sleep options  
**AUDIO** - to change the audio language (if available)  
**SUBTITLE** - To switch the dialogue at the bottom of the screen (on/off)  
**TEXT** - To enter/exit Text  
**TEXT HOLD** - Teletext mode - Hold current page which is displayed (analogue TV)  
**DISPLAY** - To switch off the screen when listening to radio  
**TEXT/DVD ZOOM** - Zoom function for teletext and DVD  
**DVD MENU/RECORD** - Access the DVD root menu and USB record function

- ◀◀ - To restart the current chapter
- ▶▶ - To advance forward to the next chapter
- /▲ - To stop the playback/Eject Disc  
 (To EJECT the disc press/hold the ■/▲ button for 4 seconds)
- ◀◀ - To play in fast rewind mode
- ▶▶ - To play in fast forward mode
- ⏸ - To play/pause

**DVD SETUP/REC LIST** - Opens the DVD Menu or opens the list of what has been previously recorded

**GOTO** - To go to a specific chapter

**A-B** - Press once to set a start point, press a second time to set a loop

**ANGLE** - Select different angles/content on the DVD (if available)

**REPEAT** - To repeat playback

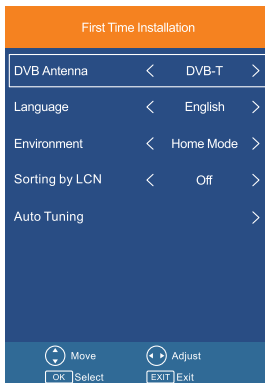
**Key**

- Ⓞ For models with integrated DVD players
- ▶ For models with PVR Function
- 📀 For models with USB Playback



# FIRST TIME INSTALLATION

When you first turn on the set, you will be welcomed by the First Time Installation screen as shown.



Once you have decided the options as described below, select **Auto Tuning** and press **OK**.

### DVB Antenna:

Select type of TV signal you wish to tune. DVB-T (Freeview channels) or DVB-S (Satellite channels).

### Language:

Select your preferred on-screen display language. This will change the language in which the menus and associated information is displayed in.

### Environment:

Use this option to select either Home or Store Mode.

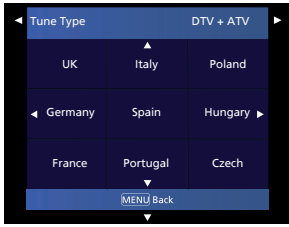
**Home Mode** is a power saving mode which reduces the energy used by up to 25% (by reducing the power to the LED/LCD panel). When in **STORE MODE** the picture will be brighter and you can personalise the settings within the picture settings menu (Contrast, Brightness, Colour) etc.

**Note:** In Home Mode, the TV will switch itself to the standby mode after 4 hours in the event that the buttons on the remote control or TV are not used.

### Sorting by LCN:

When ON, the channels will be listed logically by their position in local broadcasting networks. This means channel 001 will be BBC1, 002 will be BBC2, 003 will be ITV, 004 will be Channel 4 etc.

# FIRST TIME INSTALLATION (CONT.)



### Select Tuning Type

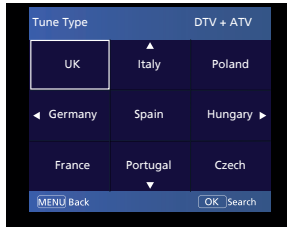
Scroll left and right to choose either:

DTV+ATV (Digital and Analogue)

DTV (Digital only)

ATV (Analogue only)

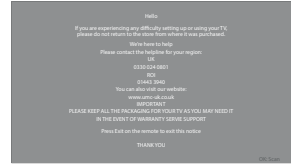
Then press the down arrow on the remote



### Select Country

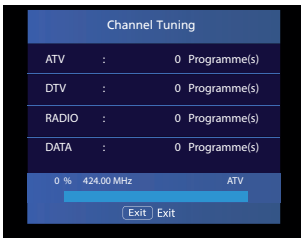
Select the country that the TV set is located.

Press OK on the remote to confirm.



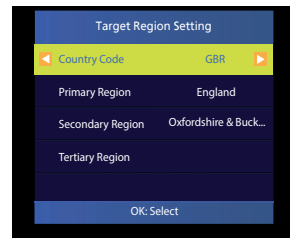
### Confirmation

Please read the information relating to setting up your TV and available assistance. This information can also be found on page 3 of this manual.



### Channel Tuning

The TV will now begin locating and tuning in channels available in your broadcasting region.



### Target Region Setting

If tuning into Digital Television signals, you will be asked to confirm the region you are tuning into. These are defaulted to your location.

**Country Code:** Selectable if receiving channels from multiple transmitters in other countries.

**Primary Region:** Select the region that you would like to receive your local news from.

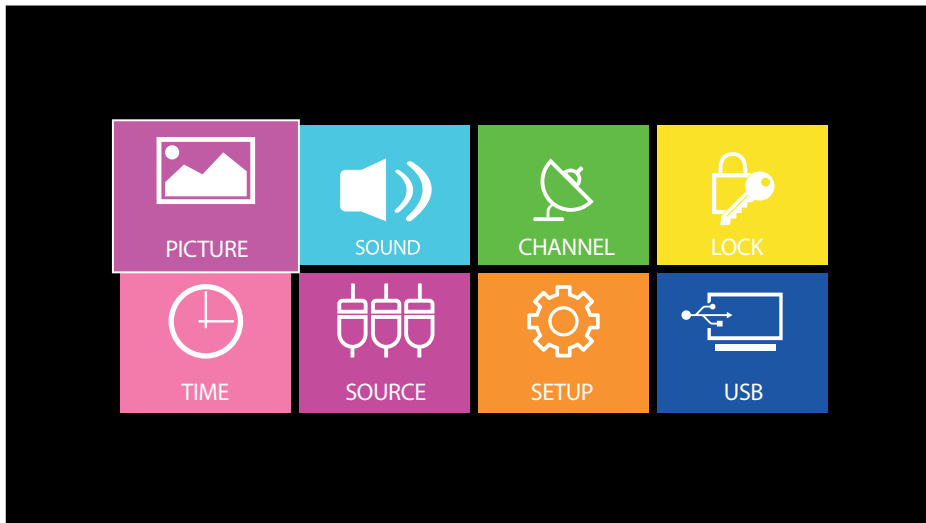
**Secondary Region:** Select your nearest or strongest transmitters

Press OK to begin watching TV.

# MAIN MENU

Pressing the MENU button on the remote control will bring up the following set of options. You can control the majority of the televisions settings by selecting the appropriate option for the setting you want to adjust.

The following pages detail each of the individual settings.



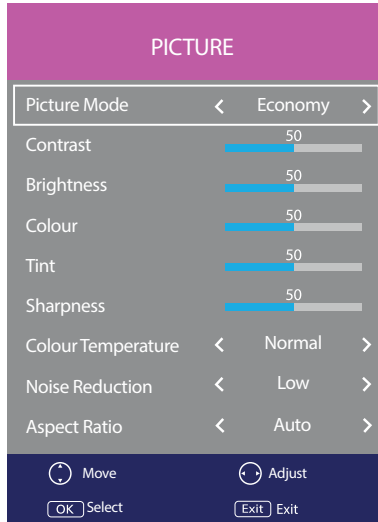
PICTURE	Allows you to edit picture settings such as contrast, brightness and the depth of colour.
SOUND	Allows you to edit sound settings such as EQ, balance and digital delays.
CHANNEL	Choose the Channel menu to enable a retune of the TV, scheduling and channel editing.
LOCK	This menu allows you to control settings relating Parental Guidance, setting a PIN and locking the televisions buttons.
TIME	Controls the time settings within the set. You can also enable sleep timers and auto-standby operations.
SOURCE	Allows you to select the signal source displayed by the television.
SETUP	This menu holds options which change overall settings within the set such as Language, subtitle language, resetting the TV. You can also view the TV version and update it via USB.
USB	Brings up the USB Media player menu where you can view and listen to various file types.

# PICTURE MENU

To access this menu, press [MENU] on the remote control and select Picture.

If you wish to make a change to any of the default settings, use the scroll ▲ ▼ ◀ ▶ buttons.

To confirm any settings, press the [OK] button. To exit this menu at anytime, press the [EXIT] button.



## Picture Mode

To enable fast setting of the desired picture performance the following options can be selected by pressing the [PICTURE] button on the remote control:

Economy	Power saving mode which reduces the energy used by up to 25% (by reducing the power to the LED/LCD panel). In Economy mode, the TV will switch itself to Standby mode after 3-5 hours in the event that the TV buttons or remote control buttons are not pressed (change the picture mode to another setting to de-activate this function) In the economy mode the brightness of the picture may be reduced.
Dynamic	Recommended settings for fast moving pictures.
Standard	Standard settings.
Mild	Softens the overall tone of the colour and contrast.
Personal	Allows you to change the picture settings to your personal preference. These settings are saved automatically.

You can make the following adjustments in **Personal** mode:

Contrast	Switch the balance between black and white.	Range: 0-100
Brightness	Increase or decrease the brightness of the picture.	Range: 0-100
Colour	Changes the picture between colour and black and white.	Range: 0-100
Tint	Changes how red and green images look on your TV screen.	Range: 0-100
Sharpness	Increase or decrease the sharpness of the picture.	Range: 0-100

## PICTURE MENU (CONT.)

<p>Colour Temperature</p>	<p>Choose from the following:</p> <table border="1"> <tr> <td>Standard</td> <td>Default settings.</td> </tr> <tr> <td>Warm</td> <td>Increases red within the picture.</td> </tr> <tr> <td>Personal</td> <td>Your own settings.</td> </tr> <tr> <td>Cold</td> <td>Increases blue within the picture.</td> </tr> </table>	Standard	Default settings.	Warm	Increases red within the picture.	Personal	Your own settings.	Cold	Increases blue within the picture.	<p>-</p>				
Standard	Default settings.													
Warm	Increases red within the picture.													
Personal	Your own settings.													
Cold	Increases blue within the picture.													
<p>Noise Reduction</p>	<p>Noise Reduction filters and reduces the noise (interference) of the picture.</p> <p>Choose from the following:</p> <table border="1"> <tr> <td>Default</td> <td>Default settings.</td> </tr> <tr> <td>Low</td> <td>Low filtering.</td> </tr> <tr> <td>Middle</td> <td>Mid-range filtering.</td> </tr> <tr> <td>High</td> <td>Maximum filtering.</td> </tr> </table>	Default	Default settings.	Low	Low filtering.	Middle	Mid-range filtering.	High	Maximum filtering.	<p>-</p>				
Default	Default settings.													
Low	Low filtering.													
Middle	Mid-range filtering.													
High	Maximum filtering.													
<p>Aspect Ratio</p>	<p>Changes the Aspect Ratio of the displayed image.</p> <p>Choose from the following:</p> <table border="1"> <tr> <td>16:9</td> <td>Default settings.</td> </tr> <tr> <td>4:3</td> <td>Displays the 4:3 picture in its original size. Side bars are shown to fill the 16:9 screen.</td> </tr> <tr> <td>Auto</td> <td>The TV will switch automatically to the signals aspect ratio.</td> </tr> <tr> <td>Zoom 2</td> <td>The picture is the correct proportion but zoomed in to fill the screen.</td> </tr> <tr> <td>Zoom 1</td> <td>The picture is the correct proportion but zoomed in to fill the screen.</td> </tr> <tr> <td>Full</td> <td>Displays a picture in the full screen mode without overscan. 16:9 signal will be displayed in original proportion. Other picture format will be stretched to fill the screen.</td> </tr> </table>	16:9	Default settings.	4:3	Displays the 4:3 picture in its original size. Side bars are shown to fill the 16:9 screen.	Auto	The TV will switch automatically to the signals aspect ratio.	Zoom 2	The picture is the correct proportion but zoomed in to fill the screen.	Zoom 1	The picture is the correct proportion but zoomed in to fill the screen.	Full	Displays a picture in the full screen mode without overscan. 16:9 signal will be displayed in original proportion. Other picture format will be stretched to fill the screen.	<p>-</p>
16:9	Default settings.													
4:3	Displays the 4:3 picture in its original size. Side bars are shown to fill the 16:9 screen.													
Auto	The TV will switch automatically to the signals aspect ratio.													
Zoom 2	The picture is the correct proportion but zoomed in to fill the screen.													
Zoom 1	The picture is the correct proportion but zoomed in to fill the screen.													
Full	Displays a picture in the full screen mode without overscan. 16:9 signal will be displayed in original proportion. Other picture format will be stretched to fill the screen.													

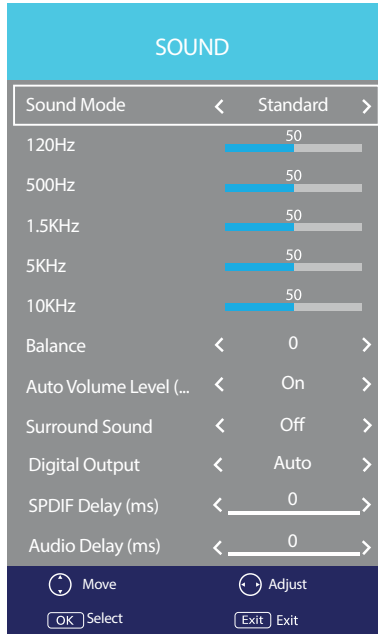


# SOUND MENU

To access this menu, press [MENU] on the remote control and select Sound.

If you wish to make a change to any of the default settings, use the scroll ▲▼◀▶ buttons.

To confirm any settings, press the [OK] button. To exit this menu at anytime, press the [EXIT] button.



## Sound Mode

To enable fast setting of the desired sound settings the following options can be selected by pressing the [SOUND] button on the remote control:

Standard	Default settings.
Music	Emphasises music over voices.
Movie	Provides live and full sound for movies.
Personal	Selects your personal sound settings.

You can make the following adjustments in **Personal** mode:

120Hz	Adjusts the volume of signals at this frequency.	Range: 0-100
500Hz	Adjusts the volume of signals at this frequency.	Range: 0-100
1.5KHz	Adjusts the volume of signals at this frequency.	Range: 0-100
5KHz	Adjusts the volume of signals at this frequency.	Range: 0-100
10KHz	Adjusts the volume of signals at this frequency.	Range: 0-100

## SOUND MENU (CONT.)

Balance	To switch the sound between the left and right speakers.	Range: L50 and R50
Auto Volume Level (AVL)	When 'on' is selected, the volume will attempt to stay at a constant level regardless of TV programme and advertisements.	On/Off
Surround Sound	Attempts to create a surround effect of the incoming audio signal.	On/Off
SPDIF Delay (ms)	Enables the user to adjust sound setting to sync picture and audio for external speakers connected via digital audio output.	Range: 0-250
Audio Delay (ms)	Enables the user to adjust setting to sync picture and audio.	Range: 0-100
Audio Description	This allows the user to increase and decrease the AD (Audio Description) volume level. (Audio Description is a service available on certain programmes. It provides a description of what is happening during the selected programme for a person who is visually impaired).	On/Off
AD Volume	This allows the user to increase and decrease the AD (Audio Description) volume level. To adjust, ensure Audio Description is set to "On".	Range: 0-100

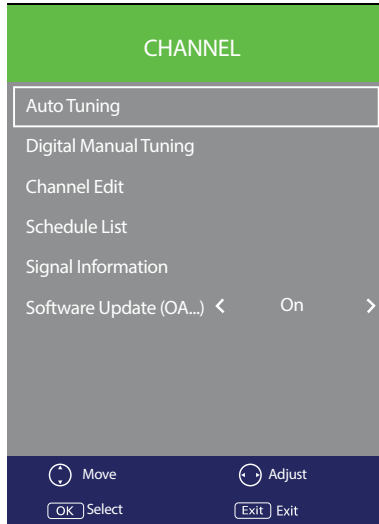
# CHANNEL MENU


To access this menu, press [MENU] on the remote control and select channel.

If you wish to make a change to any of the default settings, use the scroll ▲▼◀▶ buttons.

To confirm any settings, press the [OK] button. To exit this menu at anytime, press the [EXIT] button.

For TVs tuned in with DVB-T



Auto Tuning	Allows you to retune the television for all digital channels, digital radio stations and analogue devices.
Digital Manual Tuning	Allows you to manually tune your digital signal by selecting the channel number. Press [OK] to start.
Channel Edit	<p>Allows you to delete, move, skip and set favourite channels.</p> 

# CHANNEL MENU (CONT.)

## Channel Edit

Editing channels allows you to delete, move, skip and favourite channels.

To do this, follow these procedures.

### Adding a Favourite Channel.

Highlight the channel you want to set as a favourite. Once highlighted, press the [FAV] button on the Remote Control. There will now be a "Fav" icon displayed on the channel.


To remove a channel from the favourites, press the [FAV] button whilst a favourite channel is highlighted.

Favorites can be selected in normal Digital Television mode by pressing the [FAV] button.

### Skipping a Channel

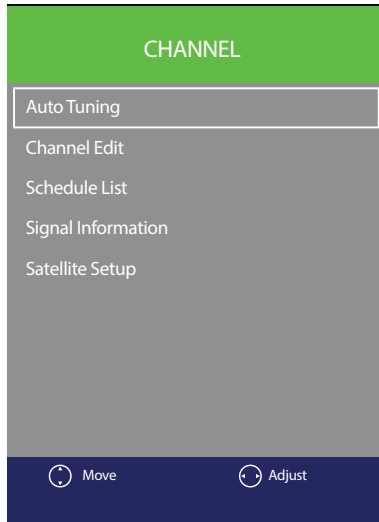
Highlight the channel you want to skip. Once highlighted, press the [BLUE] button on the Remote Control. There will now be a "Skip" icon displayed on the channel and when you scroll through the channels using [CH +/-] buttons, the channel will not be displayed.

To remove a skipped channel, press the [BLUE] button whilst a skipped channel is highlighted.

Schedule List	Allows you to view the scheduled list of TV programmes. To set programmes into the schedule, please read the section "TV Guide" on page 29.
Signal Information	<p>Will show the condition of the received Digital signal.</p> 
Software Update	Sets the Over the Air update function to On or Off. On will allows automatic TV updates to the channels.

# CHANNEL MENU (CONT.)

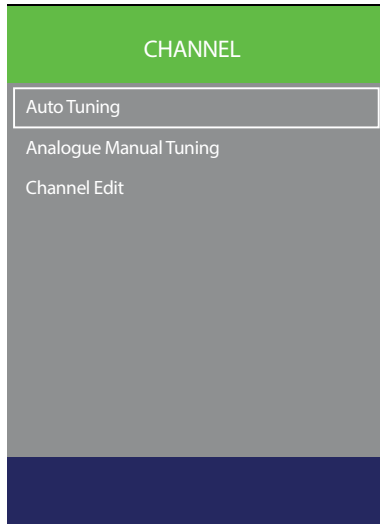
For TVs tuned in with DVB-S



Auto Tuning	Allows you to retune the television for satellite channels.
Channel Edit	Allows you to delete, move, skip and set favourite channels.
Schedule List	Allows you to view the scheduled list of TV programmes. To set programmes into the schedule, please read the section "TV Guide" on page 29.
Signal Information	Will show the condition of the received satellite signal.
Satellite Setup	For advanced users only. Please refer to the satellite service provider documentation for correct setup values.

# CHANNEL MENU (CONT.)

For TVs tuned in with ATV



Auto Tuning	Allows you to retune the television for analogue channels.
Analogue Manual Tuning	Allows you to manually tune your analogue signal by selecting the channel number. Press [OK] to start.
Channel Edit	Allows you to delete, move, skip and set favourite channels.

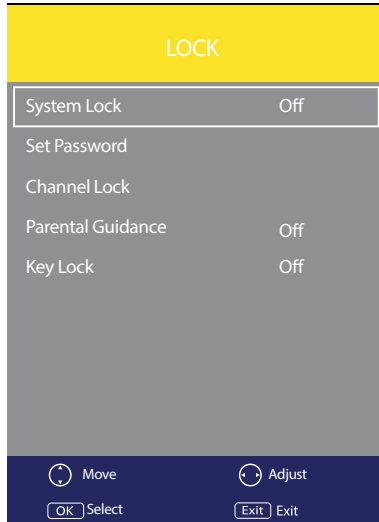
**Note:** The Channel Menu is not available if the source is on AV, HDMI Inputs or USB.

# LOCK MENU

To access this menu, press [MENU] on the remote control and select Lock.

If you wish to make a change to any of the default settings, use the scroll ▲ ▼ ◀ ▶ buttons.

To confirm any settings, press the [OK] button. To exit this menu at anytime, press the [EXIT] button.



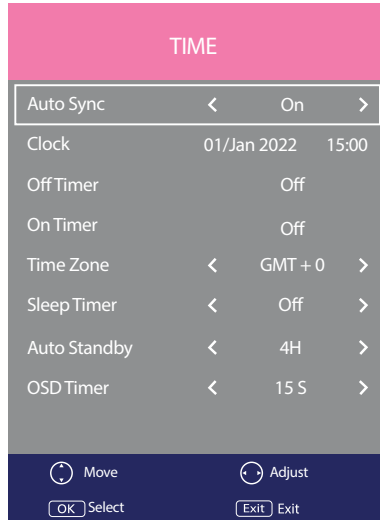
System Lock	System Lock allows a user to lock the TVs functions. When switching on for the first time, the default code is "0000".	On/Off
Set Password*	Allows you to set your own PIN.	-
Channel Lock	Select specific channels to lock.	-
Parental Guidance	Sets the parental guidance level.	Range: 4-18
Key Lock	Sets the Key lock.	On/Off

# TIME MENU

To access this menu, press [MENU] on the remote control and select Time.

If you wish to make a change to any of the default settings, use the scroll ▲▼◀▶ buttons.

To confirm any settings, press the [OK] button. To exit this menu at anytime, press the [EXIT] button.



Auto Sync	Turn on to synchronise the time to the incoming digital television signal. If connected to the internet, the clock will be updated from here. Turn off to set the clock manually.	On/Off
Clock	Can be manually set if Auto Sync is turned off.	-
Off Timer	Select specific channels to lock.	-
On Timer	Sets the parental guidance level.	Range: 4-18
Time Zone	Adjustment of the time offset. Use the [UP/DOWN] arrow buttons on the remote control to change the setting.	-
Sleep Timer	Lets you set the sleep timer so the television automatically switches off after a set amount of time. Can also be set using the [SLEEP] button on the remote.	Off, 10m, 20m, 30m, 60m, 90m, 120m, 180m or 240m
Auto Standby	Controls the amount of time the set will continue to operate without any buttons being pressed on the set or remote control before going into standby.	OFF, 3h, 4h or 5h
OSD Timer	Lets you adjust the amount of time the on-screen Menu stays on before disappearing.	5s, 15s or 30s



# SOURCE MENU

To access this menu, press [MENU] on the remote control and select Source.

If you wish to make a change to any of the default settings, use the scroll ▲ ▼ ◀ ▶ buttons.

To confirm any settings, press the [OK] button. To exit this menu at anytime, press the [EXIT] button.



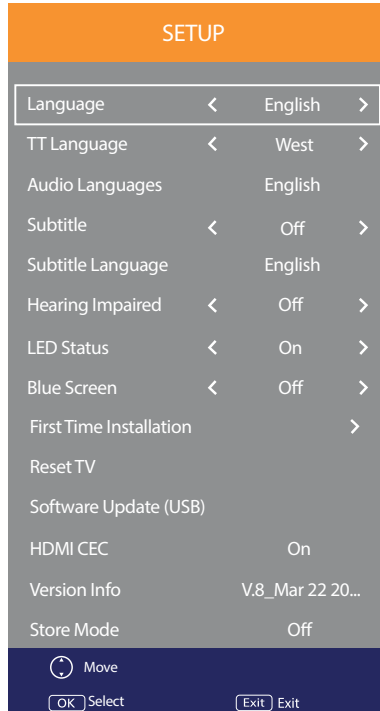
DVB-T	Selects the DVB-T Source.
DVB-S	Selects the DVB-S Source.
ATV	Selects the ATV Source.
AV	Selects the AV source.
HDMI	Selects the HDMI Source. The number of inputs will vary between models.
USB	Selects the USB Source to play media files on an installed USB device.

# SETUP MENU

To access this menu, press [MENU] on the remote control and select Setup.

If you wish to make a change to any of the default settings, use the scroll ▲▼◀▶ buttons.

To confirm any settings, press the [OK] button. To exit this menu at anytime, press the [EXIT] button.



Language	Set the language used in the on-screen display, menus etc.	-
TT Language	Sets the language for Teletext services where such services are broadcast.	-
Audio Languages	Set the audio track for Digital Television.	-
Subtitle	Turns subtitles on or off. You can also access subtitles on Digital TV by pressing the [SUBTITLE] button on the remote.	On/Off
Subtitle Language	Set the on-screen subtitle language.	-
Hearing Impaired	Enhanced subtitles used if transmitted.	On/Off
LED Status	Sets the TV's LED power LED.	On/Off
Blue Screen	Shows a blue screen when no signal is received from a source.	On/Off

## SETUP MENU (CONT.)

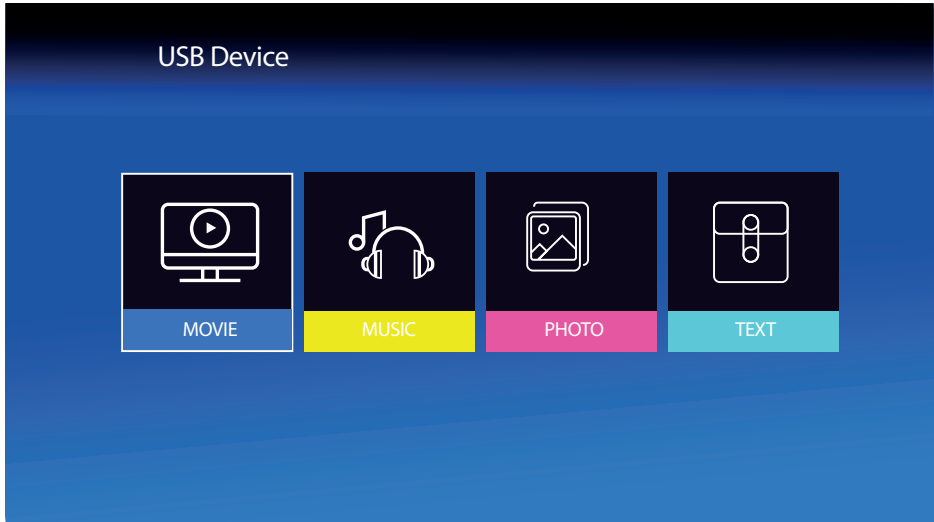
First Time Installation	Puts the TV set into first time installation. This is useful for retuning the TV if you move into a different broadcast region.		-
Reset TV	Factory Default the settings within the TV.		-
Software Update (USB)	When selected, the TV will scan the USB input for a compatible software update.		-
HDMI CEC (CEC allows connected devices to control the TV)	Choose from the following options:		
	CEC Control	Turns CEC on or off.	On/Off
	Auto Receiver	Automatically switches to the source when a new signal is input.	On/Off
	Device Auto Power Off	Enable automatic device power off when television turns off.	On/Off
	TV Auto Power On	Enable television turning on from standby when HDMI source powers up.	On/Off
	Device List	Press OK to display connected devices.	-
	Device Menu	Allows control of the connected devices menu.	On/Off
Version Info	Date of the software revision.		-
Hearing Impaired	Enhanced subtitles used if transmitted.		On/Off
Store Mode	Turn the store mode on or off. Selecting this mode will disable the economy mode and bring up functions on specification on screen display after 30 seconds of use.		On/Off

# USB MENU

To access this menu, press [MENU] on the remote control and select USB.

If you wish to make a change to any of the default settings, use the scroll ▲▼◀▶ buttons.

To confirm any settings, press the [OK] button. To exit this menu at anytime, press the [EXIT] button.



MOVIE	Choose this option to view video files stored on the installed USB device.
MUSIC	Choose this option to view audio files stored on the installed USB device.
PHOTO	Choose this option to view image files stored on the installed USB device.
TEXT	Choose this option to view text files stored on the installed USB device.

**Note:** For a list of compatible file types you can view on this TV, please see the specifications section on page 34.

# WATCHING TV - TV GUIDE

To access this menu, press [TV GUIDE] on the remote control. This will open the 7-Day TV Guide.

It is within the TV Guide that you can set reminders and look ahead to a networks broadcast schedule for the next 7 days (where published).



To navigate across the channels and programmes, use the ▲▼◀▶ buttons on the remote control.

Press the [INFO] button when highlighting a programme to view further information.

Press the [EXIT] button to resume watching TV.

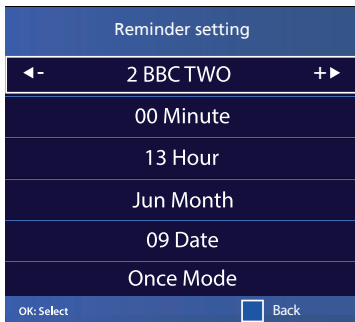
Press the [GREEN] to view the next days schedule.

Press the [RED] to view the previous days schedule.

## Setting Reminders

To make the TV prompt you when a programme is due to be broadcast, you can set reminders.

Use the arrow keys on the remote control to select the programme in the TV Guide you would like to set a reminder for and then press the [BLUE] button. This will bring up the menu as shown below:



# TV GUIDE

To set a reminder, use the arrow keys on the remote to adjust the following:

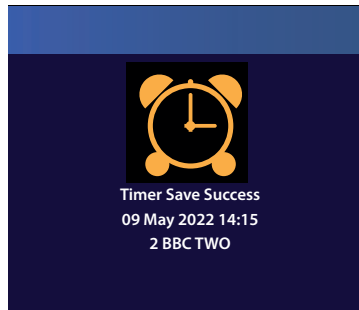
Channel  
Minute  
hour  
Month  
Day

These settings will be defaulted to the programme time you set the reminder, but you are able to fine tune them.

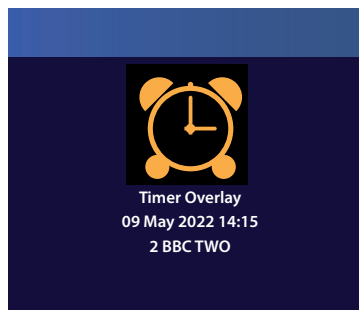
There are three modes to choose from:

Once	Sets only one instance of the reminder.
Everyday	Sets the reminder to occur every day.
Weekly	Sets the reminder to occur once a week.

Upon choosing your time and schedule, press the [OK] button. You will then see this confirmation:



If you set a reminder that collides with another reminder, you will then see this confirmation:



# CONNECTIONS

**Note:** The TV input/output connections and connecting cables on these pages are shown for reference. Cables are available separately from your retailer. **Not all connections are available on all TV models.**

## Connecting to a device with Composite AV/Video output

TV source should be set to AV.

Connection example for TV models with AV input.



## Connecting to a device with HDMI output

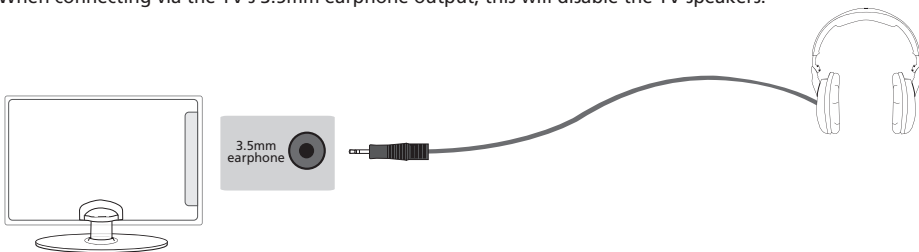
A HDMI cable can output both video and audio and enables you to enjoy digital-quality video and audio with minimal loss of quality.

TV source should be set to the corresponding HDMI port (HDMI 1, HDMI 2 etc).



## Connecting the TV to Earphones

When connecting via the TV's 3.5mm earphone output, this will disable the TV speakers.



## Connecting to a device with SCART output

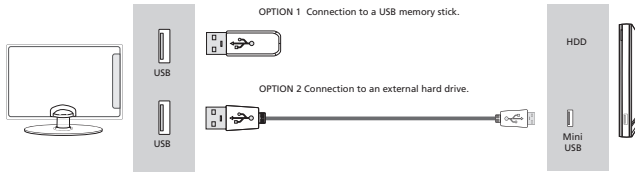
A SCART cable can output both video and audio and enables you to enjoy classic formats such as VHS.



# CONNECTIONS

## Connecting to a USB device

To use the USB input, TV source should be set to USB Media.



## Connecting to External Digital Audio Device

To use the USB input, TV source should be set to USB Media.





# TROUBLESHOOTING GUIDE

General	I would like to have louder sound by connecting additional speakers or a Soundbar.	<ol style="list-style-type: none"> <li>1) Use either the 3.5mm headphone output on the TV and a 3.5mm to phono cable (available separately) to connect to an amplifier/surround sound/soundbar. Please note this will deactivate the TV's built in speakers.</li> <li>or:</li> <li>2) Connect a digital COAC audio cable from the TV's digital audio output to your amplifier/surround sound/soundbar digital audio input.</li> </ol>
General	Why are some options in the menu unavailable and greyed out.	Some options are only available in certain inputs/sources, i.e. HDMI. They are unavailable in the other sources where they have no effect.
General	Can I stop my TV automatically turning off after 4hrs?	Yes, in the ' <b>Time</b> ' menu settings, scroll down to Auto Standby and select OFF.
TV	I have tuned in Digital TV but I am not receiving any or all of the channels and/or the channels I receive are breaking up.	<ol style="list-style-type: none"> <li>1) Check you are in an area that can receive Freeview/Saorview, visit <a href="http://www.freeview.co.uk">www.freeview.co.uk</a> or <a href="http://www.saorview.ie">www.saorview.ie</a></li> <li>2) Check you are using an aerial that is able to receive a good digital signal. In most cases, you will need an outdoor digital hi-gain/wideband aerial. In areas that have excellent digital coverage, you may be able to use a loft type aerial but it is highly likely that you will also need to connect a booster between the back of the TV and the TV aerial wall socket. Unfortunately, to receive a good enough digital signal, it is not possible to use a portable/indoor type aerial.</li> </ol>
TV	I have re-tuned my television but when I switch it off it is not storing the channels.	<p>If the TV does not save the channels when you power it off, it's likely the channel database has become corrupt.</p> <ol style="list-style-type: none"> <li>1) Turn off the TV.</li> <li>2) Remove the RF/Aerial cable from the rear of the TV and then turn the TV back on again.</li> <li>3) Using the remote control, press [MENU] followed by 8-8-8-8 to enter the initial setup/first time installation menu.</li> <li>4) Press OK (let the TV run the full tuning process).</li> <li>5) Once completed, turn off the TV, reconnect the RF/Aerial cable then turn the TV back on again.</li> <li>6) Repeat steps 3 &amp; 4.</li> </ol>
Game Consoles	I have connected my Playstation/Xbox to the TV via HDMI, but I am not receiving any pictures or sound on my Television.	<ol style="list-style-type: none"> <li>1) Ensure the TV's source is set to HDMI.</li> <li>2) Check your settings on your Playstation/Xbox are as per the Playstation/Xbox instruction manual.</li> </ol>
System Lock	I have changed the password on the television and now forgotten it.	There is a master password of 4711, to gain access to the TV menu and reset the normal password.
USB Mode	I have inserted a USB Memory Key, but the TV does not recognise it.	Ensure the USB Memory Key is formatted to type FAT32.
USB Mode	Using a USB portable hard drive / larger than 32GB.	If you wish to use a portable hard drive larger than 32GB, please note that it must be formatted to the FAT32 file system in order to operate on this TV. Windows XP/Vista computers are only capable of formatting up to 32GB, therefore, you will need a software programme/utility to format larger hard drives. Please refer to the website, <a href="http://www.umc-uk.co.uk">www.umc-uk.co.uk</a> , for more information.
DVD (For TV models with DVD only)	I have pressed the eject button but the disc is not coming out.	To eject the disc hold the stop/eject button for 4 seconds.

## Specifications - USB Media Types

Media	Codec	Resolution	Container	File Extension	Remark
Film	MPEG2	1080P@30fps	MPEG Program Stream	.DAT, .VOB, .MPG, .MPEG	
			MPEG Transport Stream	.TS, .TRP, .TP	
			MP4	.MP4, .MOV	
			3GPP	.3GPP, .3GP	
			AVI	.AVI	
			MKV	.MKV	
			ASF	.ASF	
	MPEG4	1080P@30fps	MP4	MP4, .MOV	
			MPEG Program Stream	MPG, .MPEG	
			ASF	.ASF	
			3GPP	.3GPP	
			AVI	.AVI	
			MKV	.MKV	
	H.264	1080P@60fps	FLV	.FLV	
			MP4	.MP4, .MOV	
			3GPP	.3GPP, .3GP	
			MPEG Transport Stream	.TS, .TRP, .TP	
			ASF	.ASF	
			AVI	.AVI	
			MKV	.MKV	
	HEVC (H. 265)	1080P@60fps	MP4	.MP4, .MOV	Supports 10bit colour depth
MPEG Transport Stream			.TS, .TRP, .TP		
MKV			.MKV		

## Specifications - USB Media Types

Media	Codec	Container	File Extension	Remarks	
Audio	AC3	Movie	AVI (.AVI) Matroska (.MKV) 3GPP (.3GPP, .3GP) MP4 (.MP4, .MOV)		
		MPEG transport stream	TS, .TRP, .TP		
		MPEG program stream	(.DAT, .VOB, .MPG, .MPEG)		
		Music	AC3 (.ac3) MP4 (.m4a)		
	EAC3	Movie	3GPP (.3GPP, .3GP) MP4 (.MP4, .MOV)		
		MPEG transport stream	TS, .TRP, .TP		
		MPEG program stream	(.DAT, .VOB, .MPG, .MPEG)		
		Music	EAC3 (.EC3) MP4 (.M4A)		
	AAC-LC, HE-AAC	Movie	AVI (.AVI) Matroska (.MKV) 3GPP (.3GPP, .3GP) MP4 (.MP4, .MOV)		
		MPEG transport stream	TS, .TRP, .TP		
		MPEG program stream	(.DAT, .VOB, .MPG, .MPEG)		
		FLV	.FLV		
Music		.AAC, .MP4			
Media	File Type	Resolution		File Extension	Remark
Photo	JPEG	15360x8640	Base-line	.jpg/.jpeg	The limitation of max resolution depends on DRAM size
		1024x768	Progressive		
	PNG	9600x6400	Non-interlace	.png	
		1200x800	Interlace		
	BMP	9600x6400		.bmp	
	MPO	15360x8640	Base-line	.mpo	
1024x768		Progressive			

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