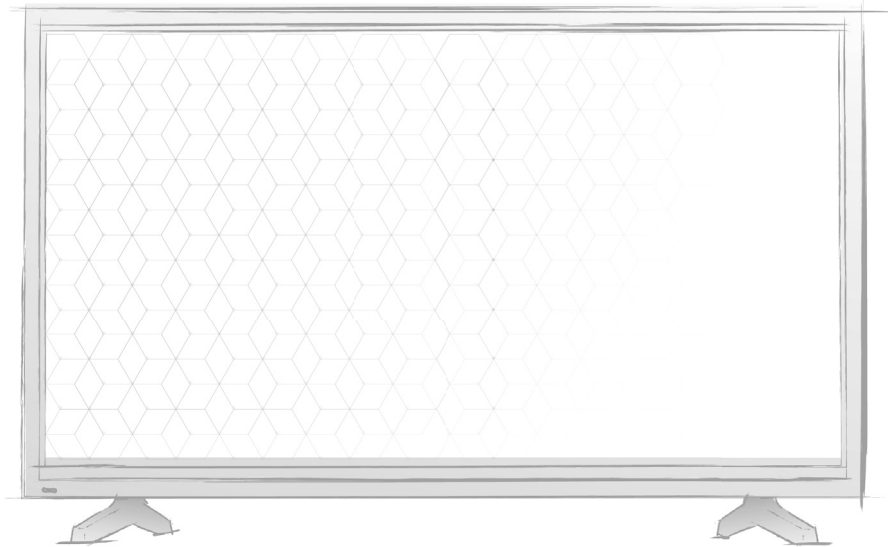




# SHARP



## Operating Instructions

Smart LED TV with Freeview Play

### Models:

LC-24DHG6131KFM

LC-24DHG6132KFM

Image for illustration purposes only. Actual product may vary.





## Manufacturers Guarantee

# IMPORTANT GUARANTEE INFORMATION

Congratulations on 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 this user guide.

If you are still unable to remedy the issue, try resetting the TV to factory settings - details can be found in the 'Settings' menu section of this user guide - 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.

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.

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

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

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

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 manufacturers guarantee does not extend to faults caused by repairs carried out by unauthorised third parties.



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

- 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 case 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 location. 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.
- Use only the power cord, power adaptor and car adaptor supplied by the product manufacturer.
- If the supply cord, power adaptor or car adaptor is damaged, it must be replaced by the manufacturer or authorised service department to avoid a hazard.
- Power adaptor may become warm during use, this is normal. To prevent risk of overheating, do not cover the power adaptor with clothing or other objects when in use.

### 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 approximately five times the length of the diagonal measurements of the TV screen.
- 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 Panel.
- 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 loss of hearing.**

## Important Safety Instructions



### Maintenance

- To clean your TV, wipe with a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth dipped in a soap and water solution or a weak detergent solution.
- 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.
- 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.**

### 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 in 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.

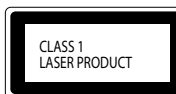


### Batteries

- 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.

### Caution

- Appliances with built in DVD player are marked with this caution label
- THIS UNIT IS A CLASS 1 LASER PRODUCT. THIS UNIT USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE PLAYER CORRECTLY AS INSTRUCTED WHEN THIS UNIT IS PLUGGED INTO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENINGS TO LOOK INTO THE INSIDE OF THIS UNIT.
- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
- DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.



### CE Statement:

Hereby, UMC 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.

<https://sharpconsumer.eu/documents-of-conformity/>

## Trademarks

### HDMI

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



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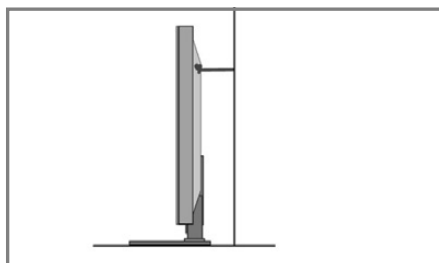
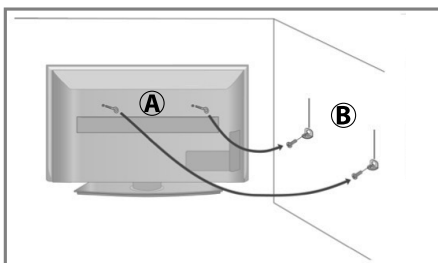
## SECURING THE TV TO A WALL

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

For maximum security 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 the 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.

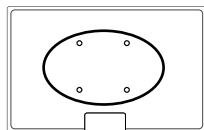
**Note:** When handling the set do not grip the LCD Panel.

**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

**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.

For optimum viewing, if wall mounting the TV higher than eye level, the TV should be tilted downwards so that the TV's screen is 'face on'. See fig 1 and 2.

fig 1 INCORRECT

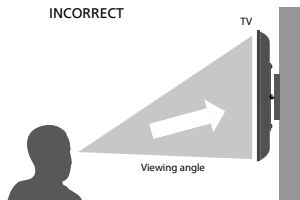
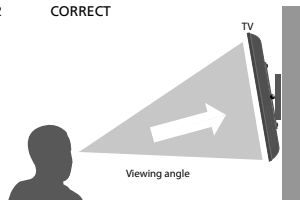


fig 2 CORRECT



**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 internal parts. When using a wall bracket, please ensure the screws in the back of the TV set are not over tightened.





## What is Included in the Box

# WHAT IS INCLUDED IN THE BOX

### Accessories

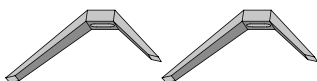
Included with this TV are the following accessories

1 x User guide

1 x TV

1 x Stand installation pack

**1 x L (left)**      **1 x R (right)**



**4 x**

1 x Power adaptor



1 x Mini YPbPr Cable



1 x Remote Control and 2 x AAA Batteries

1 x 12V / 24V (Car/Caravan) Power adaptor



1 x External antenna



1 x RF Cable



1 x Mini Composite/AV Cable



Please save your box/packaging as you will need this in the event of warranty/service repair or support. We are unable to carry out warranty/service if you are unable to package it correctly. The safest way to package your item in the event of warranty/service repair is in its original box/packaging.



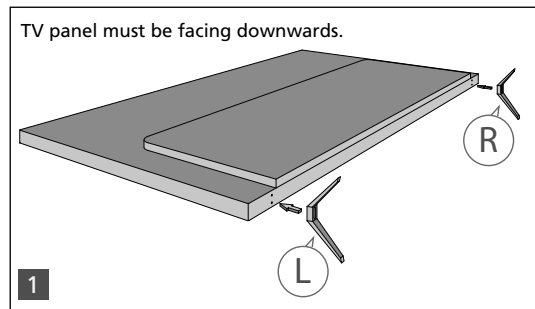
## Attaching/Detaching the Stand

# ATTACHING THE STAND

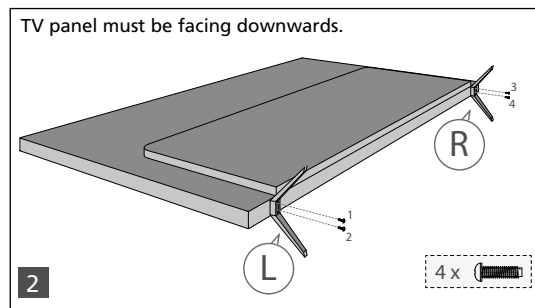
### Attaching the stand

To complete the stand feet installation you will require a cross head screw driver.

Screws that are included.



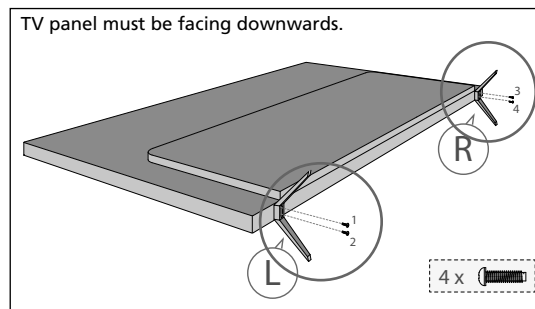
(fig.1) Place the TV set on a flat and clean surface with the panel facing downwards to avoid damage, then fix the stand feet shown. **The feet are marked L (left) and R (right).**



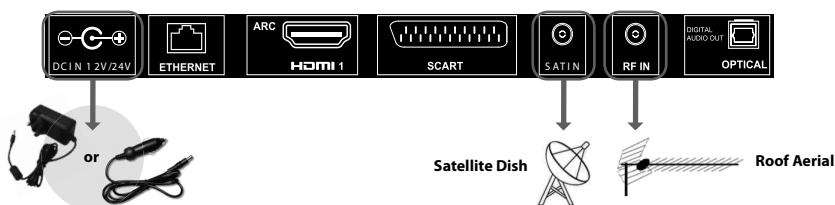
(fig.2) Secure the stand feet to the underside of the TV set using the screws provided.

### Detaching the stand

Remove the screws highlighted then remove the stand feet from the underside of the TV set.



## CONNECTING AC ADAPTOR AND 12V / 24V CAR /CARAVAN ADAPTOR







**For TV use at home:** Use the RF cable, connect the TV to the TV Aerial wall socket. Connect power adaptor to the TV and plug into the mains supply.

**For TV use in a car/caravan:** Connect the supplied Antenna to the TV. Connect the Car Adaptor to the TV, then connect it to the vehicle power socket.







## REMOTE CONTROL

Key

-  For models with integrated DVD players.
-  For models with PVR Function.
-  For models with USB Playback.
-  For models with 3D functions.

- 1 **FREEVIEW PLAY** - Switch on the TV when in standby or vice versa.  
**NETFLIX** - Access the Netflix application.  
**STANDBY** - Switch on the TV when in standby or vice versa.

- 2 NUMBER BUTTONS** - 0-9 to select a TV channel directly.  
**MUTE** - Mute the sound or vice versa.  
**TV GUIDE** - Opens the 7 day TV guide (digital TV mode).  
**YOUTUBE** - Access the Youtube App.  
**APPS** - Access the APPS menu.  
**SOURCE**  - To display the input/source menu.  
**TV**  - Switches to the Digital TV source.

- 3** **VOL (+/-)** - To increase/decrease the sound level.  
**FAV** - To display favourites menu.  
**INFO** - Press once for now/next channel information.  
 - Press twice for information about the current programme.  
**CH (+/-)** - To increase or decrease the channel being watched.  
**SUBTITLE**  - To switch the dialogue at the bottom of the screen (on/off).  
**TEXT**  - To enter/exit Text.

- 4 MENU** - To display OSD menu.  
**BACK** - To go back a previous step.  
**EXIT** - To exit all menus.  
**(▲/▼/▶/◀/OK)** - Allows you to navigate the on-screen menus and adjust the system settings to your preference. When there is no menu displayed on the screen, you will be able to adjust the picture/sound settings on the TV, use the ▲ button to change the picture settings and the ▼ button to change the sound settings.

- 5

  - ◀◀ - To play in fast rewind mode
  - ▶▶ - To play in fast forward mode
  - ⏮ - To play/pause
  - ⏪ - 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)

  - Ⓜ RECORD/DVD MENU - Access the USB record function/Access the DVD menu of the DVD inserted (must be set to the DVD source).
  - Ⓜ REC LIST/DVD SETUP - Opens the list of previously recorded items/Access the TV's DVD setup menu (must be set to the DVD source).
  - Ⓜ GOTO - To go to a specific chapter.
  - Ⓜ A-B - Press once to set point, press a second time to return to point.
  - Ⓜ ANGLE - Select an alternative camera angle during playback of the DVD.
  - Ⓜ REPEAT - To repeat playback.



Buttons to use when pairing the remote control to the TV.

If the remote control does not function with the TV, the remote control may need to be paired with the TV set, please refer to the 'Frequently Asked Questions' page for more information.



## TV Buttons and Input Source Menu

# TV BUTTONS AND INPUT SOURCE MENU

For models with buttons on the side/underside/rear of the TV

Button layout and shape may vary.



Standby	Power On/Off
Source	Input source menu
Menu	Menu/OSD
CH-	Programme/Channel down and menu down
CH+	Programme/Channel up and menu up
Vol-	Volume down and menu left
Vol+	Volume up and menu right

Models with built in DVD players will include additional buttons:



⏮	Play/Pause Disc
⏸	Stop/Eject Disc

## Choosing Mode Input/Source

To switch between the different inputs or connections.

For further information on inputs and connections refer to the 'Connections' pages.

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].

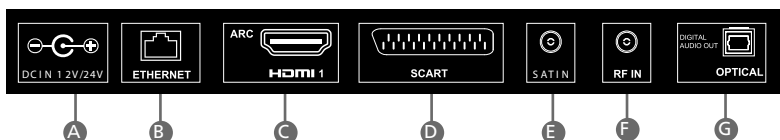
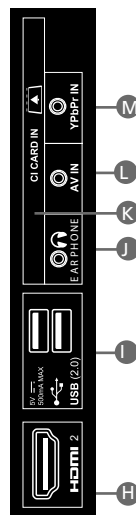
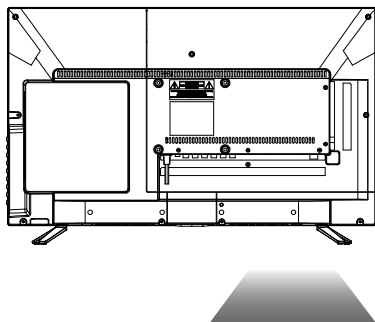
B) Using the buttons on the Television:

- 1) Press [SOURCE].
- 2) Scroll up/down using VOL+/ VOL- buttons to the input/source you require.
- 3) Press [SOURCE] to change input/source to the one selected.



An example of the 'Input Source' menu  
(will vary by model)

# CONNECTIONS



<b>A</b>	12V / 24V DC IN	12V / 24V Power Adapter
<b>B</b>	Ethernet/LAN*	Network Connection
<b>C</b>	HDMI 1 (ARC)	HDMI input
<b>D</b>	SCART	SCART input
<b>E</b>	SAT IN**	Satellite Input
<b>F</b>	RF IN	RF / TV Aerial Input
<b>G</b>	Optical Digital Audio	Digital Audio output

<b>H</b>	HDMI 2	HDMI input
<b>I</b>	2 x USB	USB port
<b>J</b>	Earphone	Earphone Input
<b>K</b>	CI CARD IN	Common Interface module
<b>L</b>	AV IN	Audio/Video Input
<b>M</b>	YPbPr	HD input (Ypbpr)

\* The Ethernet/LAN port is used for Freeview HD services and smart functions.

\*\* The Satellite input is for the LC-24DHG6132KFM model only.

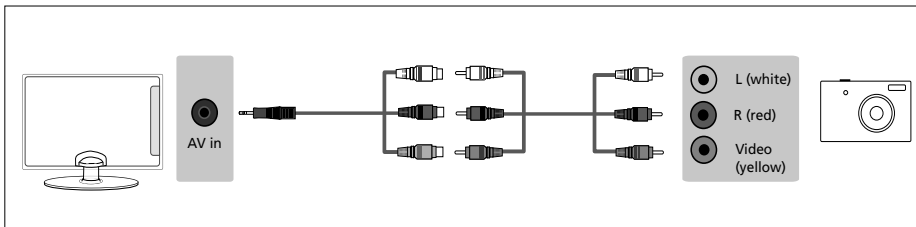
# CONNECTIONS

**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 a Composite AV/Video output

TV source should be set to Composite/AV

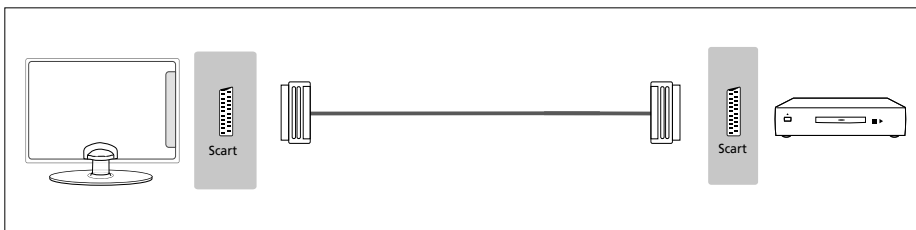
Connection example for TV models with Mini-AV input



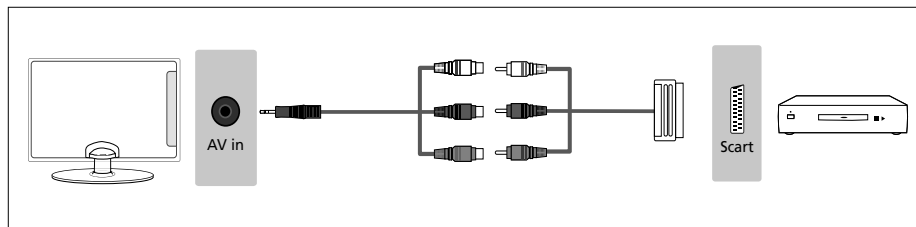
## Connecting to a device with SCART output

TV source should be set to SCART

Connection example for TV models with SCART input



Connection example for TV models with Mini-AV input (1)



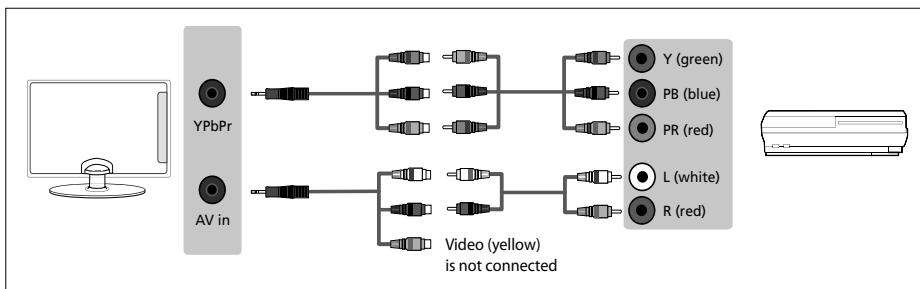


# CONNECTIONS

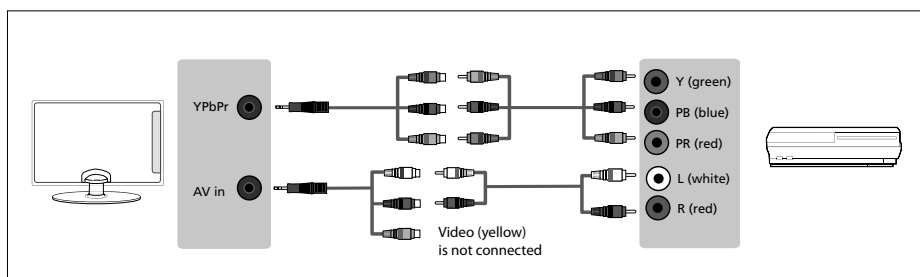
## Connecting to a device with Component/YPbPr output

If you are supplied with a cable from the device which has RED, GREEN, BLUE, RED & WHITE connectors you must connect via Component (for picture) and by phono cable (for sound). TV source should be set to Component/YPbPr

Connection example for TV models with Mini-YPbPr and Mini-AV inputs

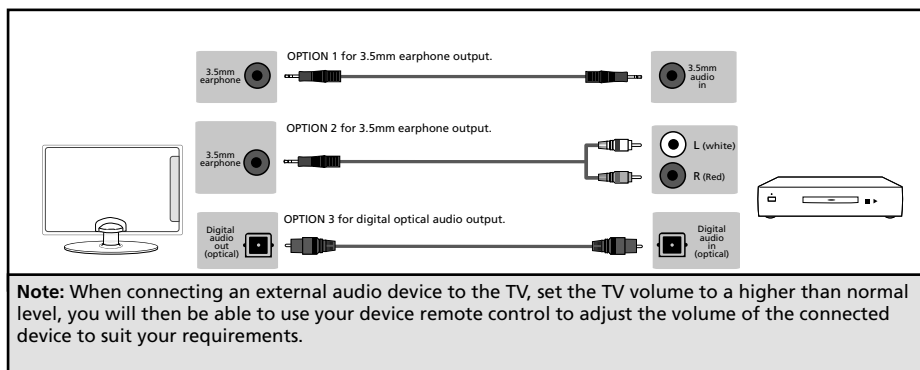


Connection example for TV models with Mini-YPbPr and L/R audio inputs



## Connecting to an external audio device (Amplifier, Surround Sound, Sound Bars etc)

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



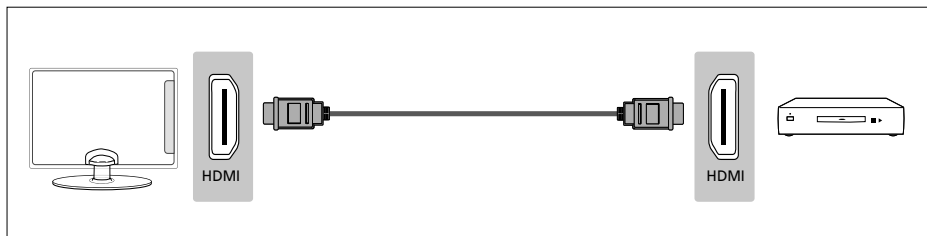


## CONNECTIONS

### Connecting to a device with HDMI output

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

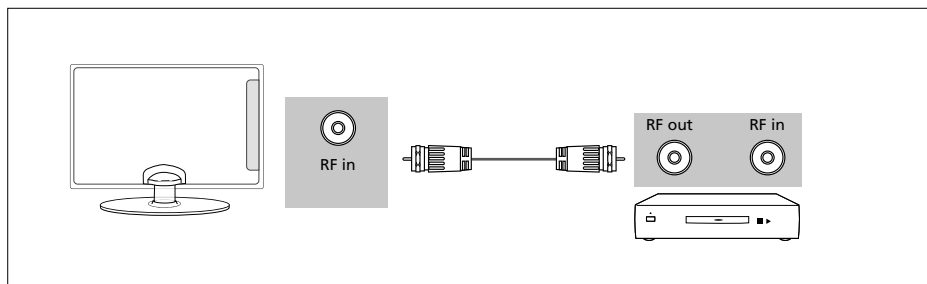
TV source should be set to the corresponding HDMI port (HDMI 1, HDMI 2 etc)



### Connecting to a device with RF output (CCTV or other Analogue devices)

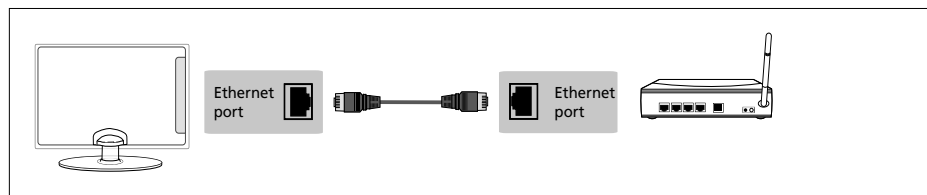
TV source should be set to ATV/Analogue TV.

**Note:** You will need to manually tune your device into an analogue channel.



### Connecting an Ethernet/Network cable

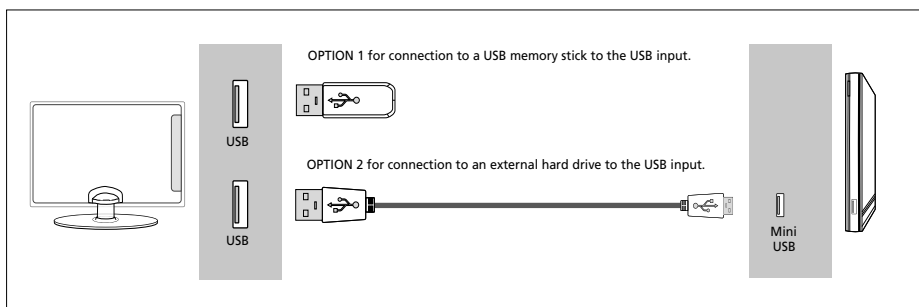
The Ethernet port is used for Smart connectivity, Pay TV Services and Freeview HD (Freeview services are only available in the UK).



# CONNECTIONS

## Connecting to a USB device

To use the USB input, TV source should be set to USB Media. Tablets and/or phones can be charged via the USB port but cannot be used to playback media content. TV source should be set to USB Media.

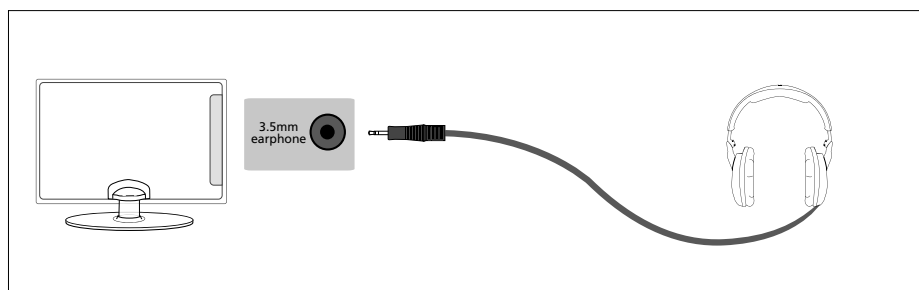


**Note:** Tablets and/or phones can be charged via the USB port, however, it is not possible to play back media from these devices.

**Note:** Some USB devices may need to be connected to an external power supply before being used with this input, i.e. powered hard drive.

## Connecting the TV to Earphones

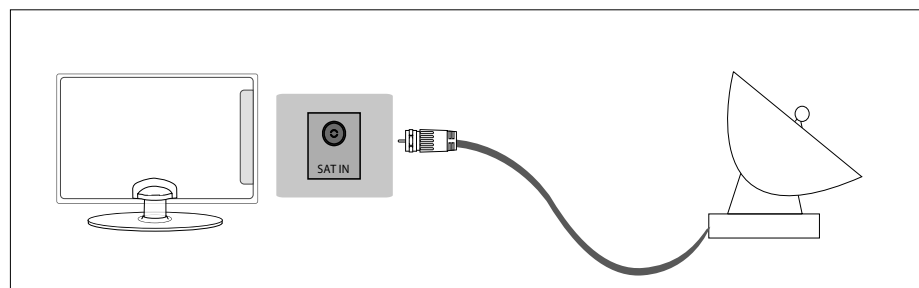
When connecting via the TV's 3.5mm earphone output, this will disable the TV speakers.



## Connecting to a Satellite Dish

TV source should be set to SAT.

**Note:** You will need to tune your set into satellite channels after connecting to the dish.



# CONNECTING THE TV TO THE INTERNET

When you first power on your new SMART TV there will be an option to follow various on-screen set up instructions. These instructions will enable you to connect to the internet via your home network. You can connect to your home network either wirelessly or with an Ethernet cable.

If you decide not to follow the initial set up instructions and need to connect at a later date please follow these simple steps below:

### Connecting your TV with a wireless connection

- 1) Press Menu on the remote control.
- 2) Scroll through the menu, select 'Settings' then enter the 'Network' menu.
- 3) In the 'Network' menu, example below, scroll down and select 'Wi-fi Config'
- 4) Within the 'Wi-Fi config' options, highlight and select 'Wi-Fi Auto Search'.
- 5) The TV will then automatically search for networks.
- 6) Select the preferred type of network connection then enter the network.

#### If a password is required:

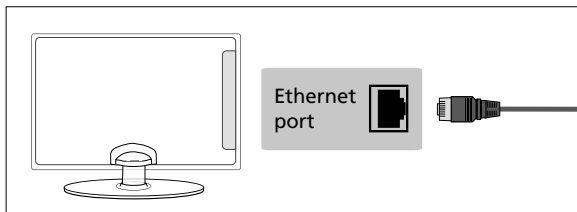
- A padlock is shown next to a WiFi service, this indicates that it is a secured network and will require a password to log in.
- When entering the WiFi password, we recommend using the "Password Visible" feature. To make the password visible press the green button on the remote control, the password will then be displayed in full. Refer to fig 1. **Network passwords are case sensitive, please ensure the entered text matches the password exactly for a successful connection.**
- Use the remote control arrow buttons to select the character required. Press the [OK] button repeatedly until the character you want is displayed. To move onto the next letter, wait for a few seconds before selecting. When the password has been entered, select the "Enter" button on the on-screen keypad and press [OK] on the Remote Control.

- 7) The TV will then establish a connection.

**Note:** An icon will appear in the top right hand side of the 'Application' menu to confirm the TV is connected to the internet.

### Connecting your TV with an Ethernet/LAN cable:

- 1) Plug in your Ethernet cable into the RJ45 (Ethernet) socket located at the rear of the television.



- 2) Press Menu on the remote control. Please refer to the Quick Start Guide for remote control information.

- 3) Scroll through the menu, select 'Settings' then enter the 'Network' menu.

- 4) In 'Network Configurations', select 'Cable'.(fig.2).

- 5) Set will automatically configure itself.

- 6) Exit the menu by pressing [EXIT] on the remote control.

fig.1

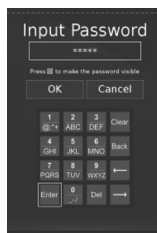
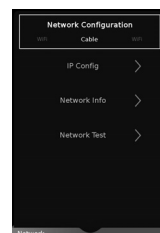


fig.2



# 7 DAY TV GUIDE

TV Guide is available in Saorview/Freeview TV mode. It provides information about forthcoming programmes (where supported by the Saorview/Freeview channel). You can view the start and end time of all programmes, on all channels, for the next 7 days and set reminders.

1) Press the [TV GUIDE] button on the remote control, the following 7 Day TV Guide will appear.



2) Navigate through the menu using ▲▼▶◀.

You can now:

Press [INFO] to view further information about the programme highlighted.

Press the [FREEVIEW PLAY] button to access the Freeview play app. Refer to the catch up menu page for further information.

Press the [REC] button on a highlighted programme to use the record function. (Function for PVR models only, USB device must be connected):

- Record a programme once (R) - press the [RECORD] button once.
- Set up a daily recording (D) - press the [RECORD] button twice, a recording will occur every day at this time.
- Set up a weekly recording (W) - press the [RECORD] button three times, recording will happen every week, on this day and at this time.

Press [RED] to access the Freeview Play catch up menu.

Press [GREEN] on a highlighted programme to set a reminder:

- **Select Remind Once** (⌚) - reminder will only occur for this one programme at the time selected.
- **Select Daily Reminder** (D) - reminder will occur every day at this time
- **Select Weekly Reminder** (W) - reminder will happen every week, on this day and at this time.

Press [YELLOW] to view a previous day's list of programmes.

Press [BLUE] to view the next day's list of programmes.

3) Press [EXIT] to exit the 7 day TV Guide.

**Note:** Record functions are only applicable to sets with a built in USB Record/PVR function. Refer to your televisions specification for more details.

**Note:** When the TV set is on, a reminder message will be displayed informing you that a programme is about to start. If the set is in standby, then it will turn on at the reminder time.

**Note:** When recording in standby mode, the set will not turn on. While recording in standby, the light on the front of the set will flash.

# CATCH UP - MENU AND CHANNEL LIST

The catch up menu allows you to access available programmes from the last 7 days, that you may have missed.

The catch up menu will show programmes, by day, in the order that they were broadcast (descending in time order).

On the right there is a channel list, move through this to see the programmes applicable to that channel. View more information on the highlighted programme by pressing the INFO button.

**Note:** Areas receiving Saorview transmissions will not support catch up services.

1) To access the catch up menu, first you will need to access the 7 day TV guide, access this by Pressing the [TV GUIDE] button on the remote control, when the 7 day TV guide appears press the [RED] button or scroll left to access the catch up menu screen.



2) You can navigate through the menu using the ▲▼▶◀ buttons on the remote control.

To play a highlighted programme simply press [OK] on the remote control. By pressing [BACK] or [EXIT] on the remote control will take you back to the catch up menu. Pressing [BACK] or [EXIT] again takes you out of the programme guide and back to standard TV.

Whilst in the catch up menu you can also

- Access the Freeview play app by pressing the [FREEVIEW PLAY] button.
- Access the 7 day TV guide by pressing the [RED] button.

3) Press [EXIT] to exit the catch up menu.

## Channel List

To view the channel list, please ensure that the TV is set to either the analogue or digital source and no menus or TV notifications are displayed.



1) Press [OK] on the remote control and the channel list menu will appear.

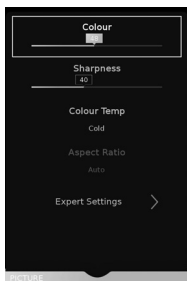
2) Press [LEFT] or [RIGHT] arrow for 'page up, and 'page down'. Press the [YELLOW] button to filter desired channel types (Digital TV, HD channels, Radio, Data, All).

3) Scroll through the channel list by using ▲▼ buttons then press [OK] to view the channel that is currently highlighted.

4) Press [EXIT] to exit the channel list.



## PICTURE MENU



To access this menu, press [MENU] button on the remote control.  
To select a sub menu press [OK]

If you wish to make changes to any of the default settings, use the scroll ▲▼▶◀ buttons.  
To confirm any settings press [OK] button. To exit this menu at anytime, press [EXIT] button.

**Picture Mode** - Choose from the following presets:

Dynamic	Recommended settings for fast moving pictures
Standard	Standard settings
Movie	Picture has less colour and is darker.
Personal	Allows you to change the picture settings to your personal preference. These settings are saved automatically.
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)

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

**Contrast** - Switch the balance between black and white.

**Brightness** - Increase or decrease the brightness of the picture.

**Colour** - Changes the picture between colour and black and white.

**Sharpness** - Increase or decrease the sharpness of the picture.

**Colour Temperature** - Choose from the following presets:

Normal	Default settings
Warm	Increases red within the picture
Cold	Increases blue within the picture

**Note:** The Picture mode can be changed by using the [DOWN] arrow button on the remote control when not in the channel information function.



## TV Menu Operation

# PICTURE MENU

**Aspect Ratio** - Within the UK the picture format varies depending on the channel/broadcast. There are a number of different options to best meet your needs

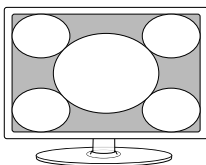
### Auto

Automatically displays the best picture format so the picture is in the correct position. Black lines may appear at the top/bottom and/or sides.

### Dot by Dot

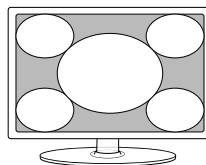
Will display the picture in its original resolution without any change, only available in HDMI input source.

### Full Screen



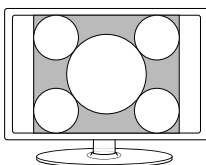
Displays a picture in the full screen mode without overscan. 16:9 signal will be displayed in original proportion. Other picture format will be stretched to fill the screen

### 16:9



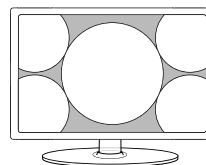
Fills the screen with a regular 16:9 signal and 4:3 picture format will be stretched to fill the screen

### 4:3



Displays the 4:3 picture in its original size. Side bars are shown to fill the 16:9 screen

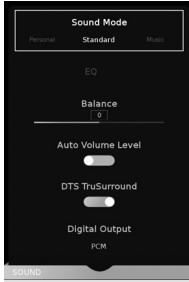
### Zoom1 and Zoom2



The picture is the correct proportion but zoomed in to fill the screen



# SOUND MENU



To access this menu, press [MENU] button on the remote control and scroll right.  
To select a sub menu press [OK]

If you wish to make changes to any of the default settings, use the scroll ▲▼►◄ buttons.  
To confirm any settings press [OK] button. To exit this menu at anytime, press [EXIT] button.

**Sound Mode** - Choose from the following presets:

Standard	Default settings
Music	Emphasises music over voices
Movie	Provides live and full sound for movies
Sports	Emphasises sound for sports
Personal	Allows you to change the sound settings to your personal preference. These settings are saved automatically

**EQ** - Adjust the audio level of separate frequencies via the band equaliser.

**Balance** - To switch the sound between the left and right speakers.

**Auto Volume Level (AVL)** - When 'ON' is selected, the volume will attempt to stay at a constant level regardless of the TV programme and advertisements.

**Note:** Equaliser settings can only be adjusted when the sound mode 'Personal' is selected.

**DTS TruSurround** - Choose from the following options:

OFF	Disables the DTS TruSurround audio feature
ON	TruSurround™ creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialog.



For DTS patents, see <http://patents.dts.com>. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, & DTS and the Symbol together are registered trademarks. DTS TruSurround is a trademark of DTS, Inc. © DTS, Inc. All Rights Reserved.





## TV Menu Operation

# SOUND MENU

**Digital Output** - This is the digital audio output. Choose from the following options:

Off	To turn off Digital Output
Auto	Selects the best settings automatically
PCM	Select this option if you are connecting to a Stereo Hi-fi via a digital audio cable (Pulse-code modulation (PCM) is a digital representation of an analogue signal)

**Audio Description** - Allows you to switch 'ON' or 'OFF' Audio Description. This provides a description of what is happening during the selected programme for a person who is visually impaired. This feature is not available on all programmes.

**AD Volume** - This allows you to increase and decrease the AD (Audio Description) volume level.

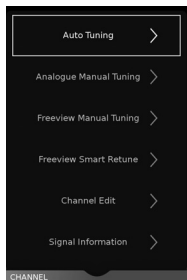
**Audio Track** - Allows you to choose between the audio channels being transmitted on Digital Television. Currently for Freeview only normal sound or the Audio Description audio channels can be selected.

**Audio Delay** - Enables you to adjust setting to sync picture and audio.

**SPDIF Delay** - Enables you to adjust sound setting to sync picture and audio for external speakers connected via digital audio output.

**Note:** The Audio mode can be changed by using the [DOWN] arrow button on the remote control when not in the channel information function.

# SETTINGS - CHANNEL MENU



To access this menu, press [MENU] button on the remote control and scroll right.  
To select a sub menu press [OK]

If you wish to make changes to any of the default settings, use the scroll **▲▼▶◀** buttons.  
To confirm any settings press [OK] button. To exit this menu at anytime, press [EXIT] button.

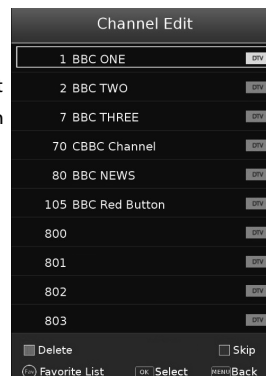
**Auto Tuning** - Allows you to retune the television for all digital channels, digital radio stations and analogue devices.

**Analogue Manual Tuning** - Allows you to manually tune your analogue signal.

**Freeview/Saorview Manual Tuning\*** - Allows you to manually tune your digital signal.

**Freeview SMART Retune** - This feature allows the TV to scan for Freeview channels. When new channels are found they are automatically added to your channel list without removing any channels or affecting your favourites list.

**Channel Edit** - Allows you to delete, skip and add programmes to a favourite channels list. You can add a favourite channel list which can be accessed by pressing the favourite button on your remote control. This will enable you to select your preferred channels quickly and easily. To add a channel to the favourite list go to; **Menu > Settings > Channel > Channel Edit**. Select the channel which you would like to add to the favourite list and press the favourite button on the remote control. A heart symbol will appear next to the channel name. Repeat for another channel or press [EXIT] to leave the menu. If you now press the favourite button on the remote control your favourite channels will be listed, select your desired channel and press the [OK] button to watch.



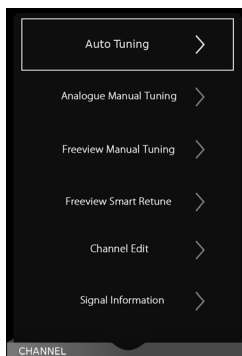
**Important:** To receive Freeview/Saorview channels, in particular HD channels, you will need a Digital TV aerial and be in a good Freeview/Saorview coverage area. You can check the coverage for your area at [www.freeview.co.uk](http://www.freeview.co.uk) or [www.saorview.ie](http://www.saorview.ie)

Please note that any Freeview HD channels found during tuning will be placed in channel positions above 100. For example, 101 (BBC1 HD) 102 (BBC2 HD) etc.

**\*Freeview channels are only available in the UK, Saorview channels are only available in the ROI.**

# SETTINGS - CHANNEL MENU

## While in the Terrestrial Digital Television Mode:

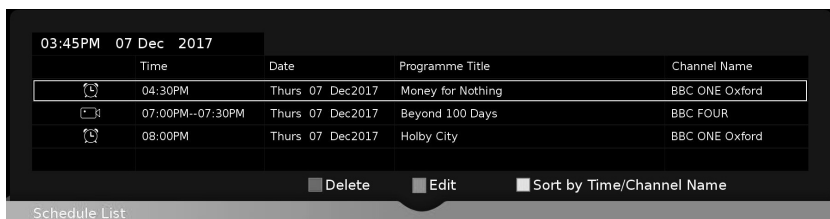


To enter the terrestrial digital tuning mode, ensure that you are switched to the digital source, then press [MENU] on the remote control and select Settings > Channel from the menu options. The menu to the left will appear.

**Signal Information** - Allows you to view signal frequency, signal quality and signal strength.

**CI Information** - Pay per view services require a 'Smartcard' to be inserted into the TV. If you subscribe to a pay per view service the provider will issue you with a 'CAM' and a 'Smartcard'. The 'CAM' can then be inserted into the COMMON INTERFACE PORT (CI Card In).

**Schedule List** - The schedule list allows you to view your reminders and recordings. It can be accessed by going to the 'Channel Menu' then selecting 'Schedule List' or by pressing the blue button while in the 'Record List'.



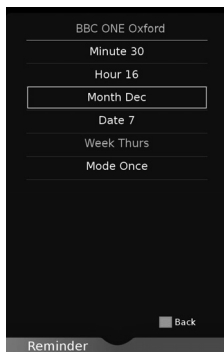
There are two icons, the clock symbol denotes a reminder, the camera indicates a recording. To select use the up and down arrow buttons.

- Press the [RED] button to delete the reminder or recording
- Press the [GREEN] button to edit the reminder or recording
- Press the [YELLOW] button to sort the reminder or recording

**Note:** Record functions are only applicable to sets with a built in USB Record/PVR function.



**Edit Menu** - To edit use the up and down buttons on the remote control to select the function, then use the left and right buttons to change. Press the [OK] button to store and return to the schedule list.

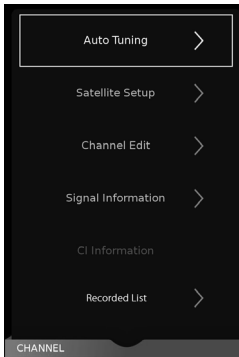


**Recorded List** - Shows a list of recorded TV programmes via a connected USB memory stick or USB hard drive. While in the 'Recorded List', press the [BLUE] button to access the 'Schedule List'. Please see the 'USB RECORD' page for further information.

**OAD Scan** - Switch 'ON' or 'OFF' OAD updates.

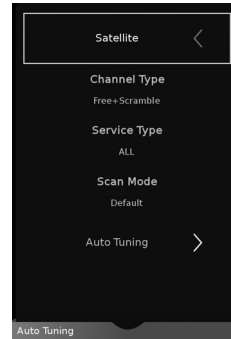
# SETTINGS - CHANNEL MENU

**While in the Satellite Television mode:**



To enter the satellite tuning mode, ensure that you are switched to the satellite source, then press [MENU] on the remote control and select Settings > Channel from the menu options. The menu to the left will appear. To enable satellite channels to the receiver, you need to connect a satellite antenna (LNB and dish) to the satellite input on the set (round with a screw thread).

**Auto Tuning** – When Auto Tuning is selected from the Satellite Menu, the menu to the right will appear. Set the options as required and then enter the Auto Tuning mode to start tuning into satellite channels. Note that if individual satellites have been chosen in the Satellite Setup option in the Satellite Menu, the set will only tune to these.



**Channel Type** - Choose from the following options:

Free	Tunes into all free to air channels.
Scrambled	Tunes into scrambled channels.
Free + Scrambled	Tunes into all types of channels.

**Service Type** - Choose from the following options:

All	Tunes into all types of channels.
Radio	Only tunes into radio channels.
Digital TV	Only tunes into Digital TV channels.


**Scan Mode** - Choose from the following options:

Default	Tunes into all selected satellites using only the transponder frequencies shown in the Satellite option table.
Network	As Default, but will use the Network Identification Table for each satellite if available.
BLIND	Tunes into all selected satellites across the entire transponder band.

## TV Menu Operation

**Satellite** – When in the Satellite option the satellite or satellites which you wish to tune into can be selected. When a satellite is selected, a tick will appear next to it; as in the picture below. If there are no ticks, the set will tune into all satellites. This list is held within the set.

Satellite	TransPonder	Setting
1 Astra 1	Ku 1 03722(MHz) 18000(kS/s) V	LNB Power 13/18V
2 Astra 2	✓ Ku 2 03916(MHz) 00930(kS/s) H	LNB Type 05150
3 Hot Bird	Ku 3 03916(MHz) 01875(kS/s) V	22KHz Auto
4 Eutelsat 7A	Ku 4 03985(MHz) 09764(kS/s) V	Toneburst None
5 Thor-Intelsat 10-02	Ku 5 04000(MHz) 06216(kS/s) V	DISEqC1.0 None
6 Thor-Intelsat 10-02	✓ C 6 04025(MHz) 07325(kS/s) V	DISEqC1.1 None
7 Turksat	Ku 7 04031(MHz) 01000(kS/s) H	Motor None
8 ABS-2	Ku 8 04032(MHz) 01001(kS/s) H	Unicable None
9 Amazonas 3	Ku 9 04084(MHz) 03906(kS/s) H	



Quality: Bad Normal Good  
Strength: 

Delete Edit Add Scan

Satellite Setup

**Channel Edit** - Allows you to delete, move, skip and add programs to a favourite channels list. You can add a favourite channel list which can be accessed by pressing the favourite button on your remote control. This will enable you to select your preferred channels quickly and easily. To add a channel to the favourite list go to; Menu > Settings > Channel > Channel Edit. Select the channel which you would like to add to the favourite list and press the favourite button on the remote control. A heart symbol will appear next to the channel name. Repeat for another channel or press [EXIT] to leave the menu. If you now press the favourite button on the remote control your favourite channels will be listed, select your desired channel and press the [OK] button to watch.

**Signal Information** - Allows the following information to be displayed: Satellite Name, i.e.. Hot Bird, Astra, etc., Transport Stream data, its frequency and service type, Transponder details, Signal Quality and Signal Strength.

Astra 1
Network
11541 V 22000
Transport stream 2094
Service 22611
Quality 
Strength 

Signal Information

**CI Information** - Pay per view services require a 'Smartcard' to be inserted into the TV. If you subscribe to a pay per view service the provider will issue you with a 'CAM' and a 'Smartcard'. The 'CAM' can then be inserted into the COMMON INTERFACE PORT (CI Card In).

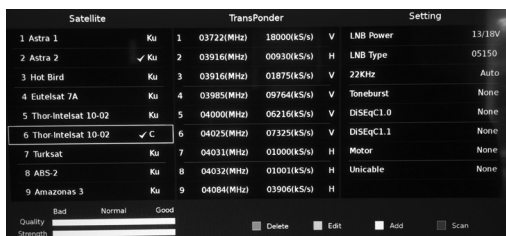
**Schedule List** - The schedule list allows you to view your reminders and recordings. It can be accessed by going to the 'Channel Menu' then selecting 'Schedule List' or by pressing the blue button while in the 'Recorded List'.



**Recorded List** - Shows a list of recorded TV programmes via a connected USB memory stick or USB hard drive. While in the 'Recorded List', press the [BLUE] button to access the 'Schedule List'. Please see the 'USB RECORD' page for further information.

**OAD Scan** - Switch 'ON' or 'OFF' OAD updates.

**To tune in your set using the satellite receiver:** Connect a satellite antenna (LNB and dish) to the satellite input on the set (round with a screw thread). Enter the menu > Settings > Channels > select Satellite > Auto Tuning. Tuning into a satellite signal takes a long time as there are many channels (over 700 on Astra). When tuned exit the tuning mode. Note that if the set has been tuned in using the Satellite input, then only satellite signals will be stored. To reduce the number of satellite channels which the set tunes into, select the satellite(s) which you would like to tune into. Go to the Satellite option in the Auto Tuning menu to choose the satellites you wish to tune into.



Satellite	Transponder	Setting
1 Astra 1	Ku 1 03722(MHz) 18000(k/s) V	LNB Power 13/1RV
2 Astra 2	✓ Ku 2 03916(MHz) 00930(k/s) H	LNB Type 05150
3 Hot Bird	Ku 3 03916(MHz) 01875(k/s) V	22KHz Auto
4 Eutelsat 7A	Ku 4 03985(MHz) 09764(k/s) V	Toneburst None
5 ThorIntelsat 10-02	Ku 5 04000(MHz) 06216(k/s) V	DiSeqC1.0 None
6 ThorIntelsat 10-02	✓ C 6 04025(MHz) 07325(k/s) V	DiSeqC1.1 None
7 Turksat	Ku 7 04031(MHz) 01000(k/s) H	Motor None
8 ABS-2	Ku 8 04032(MHz) 01001(k/s) H	Unicable None
9 Amazonas 3	Ku 9 04084(MHz) 03906(k/s) H	

Quality: Bad Normal Good  
Strength: [Progress Bar]

[Delete] [Edit] [Add] [Scan]

Satellite Setup

**Note:** When selecting a satellite in the Auto Tuning > Satellite option, when you have selected a satellite name, the signal strength of the transponder will be shown.

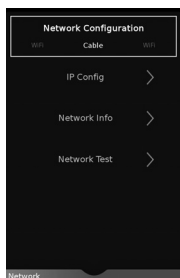
**Channel Listing:** When tuning into a satellite, there will be many programs. Some of these programs will be duplicated because of regional variations. For example, Channel 4 will have London, South East, Scotland, etc. Each one of these will be stored individually. Logical Channel Numbering (LCN) is not applicable for satellite tuning as it is on Freeview, i.e. program 1 is BBC1, program 2 is BBC2, etc.

**Note:** Only certain satellites will transmit UK channels. Refer to a suitable satellite guide for information on which one you need to tune into.

**EPG:** When using the EPG, it will be found that there are many duplicated channels. There will also be many channels in the list in line with the number of channels tuned in; therefore, navigation within the EPG can be time consuming. Setting of the reminder and PVR functions is the same as when using with Freeview.

**Favourites:** As there are a large number of channels and as Logical Channel Numbering is not used, it can take some time to search for you desired program. It is recommended to use the Favourites function to store your preferred programs for fast and easy access.

# SETTINGS - NETWORK MENU



To access this menu, press [MENU] button on the remote control and scroll right.

To select a sub menu press [OK]

If you wish to make changes to any of the default settings, use the scroll ▲▼►◄ buttons.

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

The network connection enables you to update the TV software and a number of Smart TV functions.

For the network configuration to work the TV will need to be connected to your home network via an Ethernet cable, with these requirements in place the TV will connect to the network automatically.

## Network Config (Cable selected)

**IP Config** - Allows you to access LAN network connection settings via the TV's LAN Cable socket. Choose from the following options:

Auto	Will automatically connect the TV to your home network (this is the default setting and is highly recommended).
Manual	Allows you to manually change the IP, Netmask, Gateway and DNS information.

## Network Config (Wi-Fi selected)

**Wi-Fi Config** - Allows you to access LAN network connection via the TV's built in Wi-Fi (no extra hardware required). Choose from the following option:

Wi-Fi Auto Search	Will automatically search for nearby routers. Select the desired router and enter its password, following the on screen instructions will result in a successfully connection.
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**Network Info** - Allows you to view Information about network settings.

**Network Wakeup** - When turned ON, the set can be turned on from standby by network control.

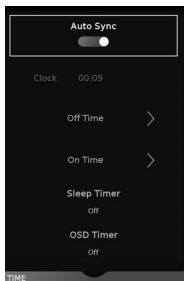
**Network Test** - Allows you to test the network connection.

**Netflix Setting** - Allows you to view Netflix information for technical assistance and deactivate your account.

**Wi-Fi Status** - Allows you to view the routers name (SSID), if the TV is connected via Wi-Fi.



## SETTINGS - TIME MENU



To access this menu, press [MENU] button on the remote control and scroll right.  
To select a sub menu press [OK]

If you wish to make changes to any of the default settings, use the scroll ▲▼▶◀ buttons.  
To confirm any settings press [OK] button. To exit this menu at anytime, press [EXIT] button.

**Auto Sync** - The time is synchronised with the Internet clock. If there is no internet connection, the time is synchronised with the Digital Television signal.

**Clock** - Shows the time.

**Off Time** - Allows you to set a specific time for your TV to turn off.

**On Time** - Allows you to set a specific time for your TV to turn on, the channel it will then display, the source it will be on and also the volume. This function can then be toggled to repeat every day or a certain day. If your set is in standby and the on time is reached, it will turn on.

**Sleep Timer** - Lets you set the sleep timer so the television automatically switches off after a set amount of time. Off -> 10min -> 20min -> 30min -> 60min -> 90min -> 120min -> 180min -> 240min.

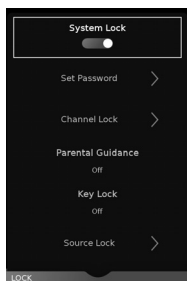
**OSD Timer** - Lets you adjust the amount of time the 'On Screen Menu' stays on the screen before disappearing.

**Auto standby** - Set 'Auto standby' between Off, 3 hours, 4 hours and 5 hours.

**Time Zone** - Change your current time zone.

**Note:** If you do not press any buttons for 30 seconds, the menu will automatically exit. You can change the length of time before the menu exits automatically - see 'OSD Timer' in the Time Menu.

## SETTINGS - LOCK MENU



To access this menu, press [MENU] button on the remote control and scroll right.

To select a sub menu press [OK]

If you wish to make changes to any of the default settings, use the scroll ▲▼►◄ buttons.

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

**System Lock** - Allows you to lock or unlock the menu. You will be asked to enter a 4 digit password

Use the ◀ button to quit the password input or use the ▶ button to clear. Default password is 0000.

**Set Password** - Allows you to change the password.

**Channel Lock** - Allows you to lock certain channels manually.

**Parental Guidance** - Allows you to set the rating to block certain content based on age information.

**Key Lock** - Allows you to lock the buttons on the side of the TV set.

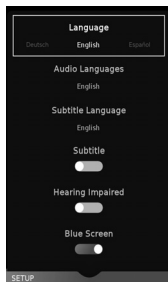
**Source Lock** - Allows you to lock the source menu.

**Hotel Mode** - Additional settings.

**Note:** To enable controls within the lock menu, the function needs to be enabled by entering the password and then turn the 'System Lock' on.

**Note:** If you change and forget the password, you will need to use the master reset password of 4711.

## SETTINGS - SETUP MENU



To access this menu, press [MENU] button on the remote control and scroll right.  
To select a sub menu press [OK]

If you wish to make changes to any of the default settings, use the scroll ▲▼►◄ buttons.  
To confirm any settings press [OK] button. To exit this menu at anytime, press [EXIT] button.

Set Up - Choose from the following options:

**Language** - Allows you to change the language of the menu.

**Audio Languages** - Select your preferred primary audio language.

**Subtitle Language** - Select your preferred primary subtitle language.

On	Subtitles turned on and will display if being transmitted.
Off	Subtitles off.

**Hearing Impaired** - This allows you to turn on the Hearing Impaired function, this produces subtitles on the screen which provide a description of what is happening during the selected programme.

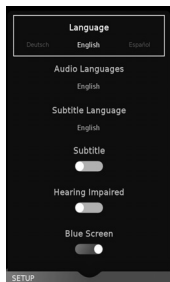
**Blue Screen** - Changes the background when there is no input between clear and a blue background (only available on some sources).

**PVR File System** - Allows you to access 'PVR File System' settings. Choose from the following options:

Select Disc	Allows you to select the device which is being analysed/set up should your set have more than one USB port/connected device.
Timeshift Size	Maximum amount of storage space allocated to time shifting on the selected USB device. Select from 512MB, 1GB, 2GB or 4GB. Maximum memory allocation is dependant upon connected memory capacity.
Format: Start	Select this option to reformat the connected USB device. Note that all data will be lost when performing this action.
Speed: Check	Checks the speed of your memory device and displays the result in Kb/s

**Note:** When a USB memory device is connected to the set, this function will be active. If no USB device is connected, the function cannot be selected.

## SETTINGS - SETUP MENU



To access this menu, press [MENU] button on the remote control and scroll right.  
To select a sub menu press [OK]

If you wish to make changes to any of the default settings, use the scroll ▲▼►◄ buttons.  
To confirm any settings press [OK] button. To exit this menu at anytime, press [EXIT] button.

**First Time Installation** - Allows you to access the 'First Time Installation' menu and retune the TV set.

**Software Update (USB)** - Allows you to update your TV with the newest software using a USB memory stick. Software and instructions are available on our website.

**Software Update (NET)** - Allows you to update your TV with the newest software via your internet connection.

**Reset TV** - This resets the menus to factory settings and clears all the TV channels from the television.

**HDMI CEC (Consumer Electronic Control)** - Allows HDMI devices to control each other and allows you to operate multiple devices with one remote control (only available with compatible devices).

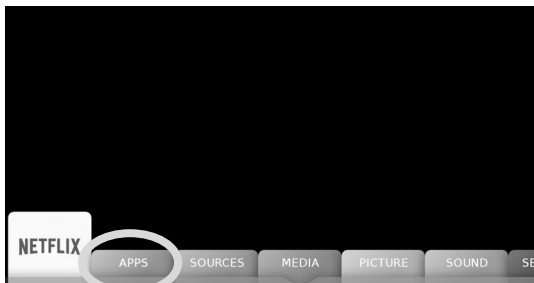
**LED Status** - LED Status - Allows you to switch the LED power indicator light 'ON' or 'OFF' when the TV is being operated. (When this option is set to 'OFF' the LED power indicator light will flash when the remote control is used and will flash red during the normal start up process).

**Standby Scan** - When the TV is put into standby mode a standby scan will be performed, during this process the TV will scan for new channel information and automatically update the channel list if any changes are found, both the visual and audio functions will be off, once the scan is complete the TV will stay in standby mode.

**Version Info** - Allows you to view the version/information of the software installed on the TV set.

**Source Edit** - Allows you to edit the name of an Input Source.

# APPS MENU



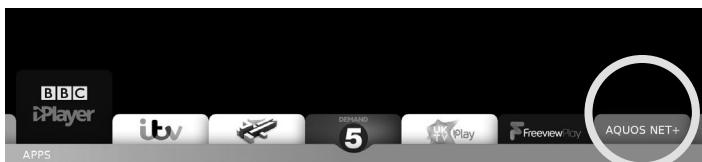
To access this menu, press [MENU] button on the remote control and scroll right.  
To select a sub menu press [OK].

If you wish to make changes to any of the default settings, use the scroll ▲▼►◄ buttons.  
To confirm any settings press [OK] button.

To exit this menu at anytime, press the [MENU], [EXIT] or [BACK] button on the remote control.

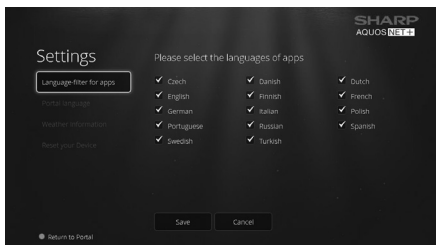
The Application Menu allows you to access the TV set's "SMART" features. In this menu you can enter various functions including Web Browser, BBC iPlayer, etc. At the bottom of the screen there are some key apps for easy and quick access.

## Aquos Net+



Aquos Net+ is a portal which allows access to a variety of apps and multimedia services which the TV can access via the internet. To enter Aquos Net+ you will be prompted to enter a language and accept terms and conditions. Once the relevant information has been entered you will be able to use a range of features such as MUZU.TV, Viewster and Dailymotion.

Content is updated and managed from a central source, so look out for new features and updates.



**Note:** If you wish to reset the settings for AQUOS NET+ Smart Portal back to the default settings, you will need to access the AQUOS NET+ Smart Portal and enter the settings menu. In the settings menu scroll down and select 'Reset your device', you will then be asked 'Yes' or 'No' to confirm your decision, highlight 'Yes' and press 'OK' on the remote control to complete the reset process.

# APPS MENU

## Applications



**BBC iPlayer** - Enjoy BBC iPlayer exclusives and your favourite BBC programmes from the last 30 days.

**ITV Player** - The ITV Hub, new home of ITV on demand. Enjoy the best telly anytime, anywhere.

**Channel 4 / All 4** - The latest "catch up" plus a huge library of shows from 4, which includes complete boxsets.

**Demand 5** - Watch full episodes of your favourite Channel 5 programmes when it suits you, on Demand 5.

**UK Play TV** - "Catch - Up" on your favourite Dave, Really, Yesterday and Drama shows with UKTV Play.

**Freeview Play** - Access the Freeview Play app. (Please see the 'Freeview Play menu' page for further information).

**Youtube** - Video sharing website allows you to discover, watch and share originally-created videos.

**BBC News** - Access the BBC News app for up-to-the-minute and breaking news reports.

**BBC Sport** - The BBC Sport app offers the latest sports news, live action, scores and highlights..

**Web Browser** - Application for accessing websites via the internet. Use the following buttons for navigation in the browser:

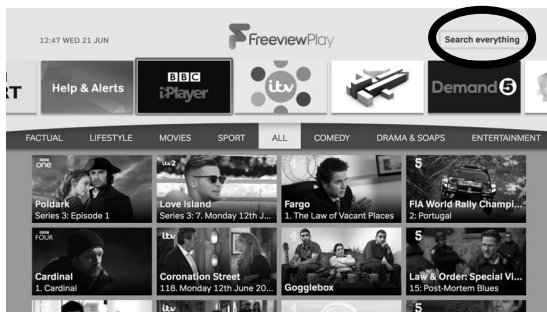
CH+	Scroll page up
CH-	Scroll page down
Red Button	Show/hide browser menu bar
Yellow Button	Zoom in
Blue Button	Zoom out

**Note:** The Netflix app is included within the main menu for quicker access, they are not included in the "Apps" menu.

**Note:** Some Apps, such as Netflix, require a monthly subscription. This is not included with the purchase of your TV set.

# FREEVIEW PLAY MENU

## Freeview Play



When in the Freeview Play application, it is possible to search for a programme by name. Choose the "Search everything" option and then use the on-screen keyboard to type in the programme name. As you type, selections will appear. Select one of these options to start watching.

Freeview Play brings together live TV viewing with "catch up" TV services from broadcasters such as BBC, ITV, Channel 4 and Channel 5.

The Freeview Play Explore app features a carousel of genres to select from when searching for programmes, such as sport, comedy, dramas & soaps, etc. Content is made up from recommendations of the major broadcasters and offers an alternative means of searching.

To access Freeview Play simply press the [FREEVIEW PLAY] button on your remote control (fig1). Freeview Play can also be accessed via the '7 Day TV guide' menu and the 'Apps' menu.

When you first access Freeview Play you will need to accept the Terms of use simply select 'OK' to confirm. Once selected the Freeview Play on demand apps will appear on the screen. Use the ▲▼▶◀ buttons on the remote control to select your chosen app and press OK.

fig1.



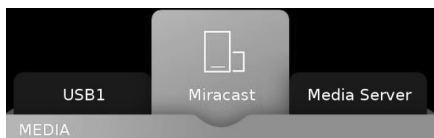
Picture is for illustration only, actual remote control may be different.

**Note:** Some apps require additional registration, this is a simple process and it will inform you of the correct website to visit to complete the registration.

Areas receiving Saorview transmissions will not support Freeview Play services.

# MEDIA MENU

## Miracast (Screen mirroring)



To access this menu, press [MENU] button on the remote control and scroll right.  
To select a sub menu press [OK]

If you wish to make changes to any of the default settings, use the scroll buttons.  
To confirm any settings press [OK] button. To exit this menu at any time, press [EXIT] button.

**Note:** USB indication will only appear when a USB stick is plugged into either of the USB sockets.

Although the TV has many of the most popular Apps preinstalled, the Miracast function allows almost unlimited Apps to be shown on the TV screen including many on demand videos, subscription based services and your favourite applications such as Amazon TV, Emails, Facebook, etc.

The Miracast (screen mirroring) feature allows you to connect to a compatible Smartphone, Tablet, PC or Laptop wirelessly and 'mirror' what is on your device onto the TV's screen.

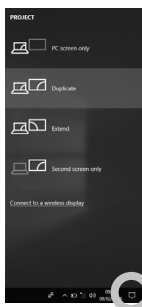


See below an example of a connection to a Laptop PC running Windows 10 that has built in Wireless Display.

For connection to other types of devices please refer to the instruction manual that came with your device.

Click on the monitor icon (circled below) to access this feature.

Once you're connected, you will see this screen on your Laptop/PC.



Once a successful connection is made, your TV will display this screen.



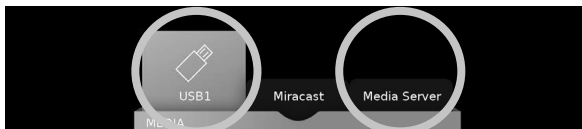
**Note:** Many Android and Windows devices support screen mirroring. For Apple devices, you need a separate Apple TV box to allow screen mirroring onto non Apple products.

**Note:** If your smartphone or tablet does not include mirroring, it may be possible to connect a suitable cable from your device directly to one of the HDMI inputs on the rear of the TV. Suitable cables for your device should be available from a local electronics retailer.



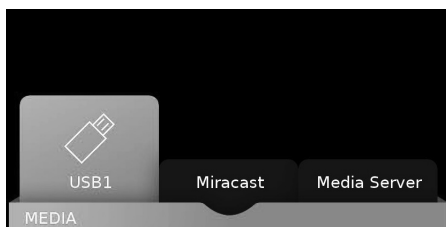
# MEDIA MENU

## USB mode and media server

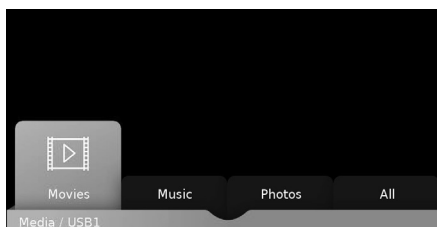


The USB media and the Media Server offer the playback of various different types of content that is either saved on your USB memory stick or external media server. (USB mode allows you to view/playback files from an external USB device and Media Server connects to your home network and can view/playback files from your compatible laptop, PC, tablets and smart phones).

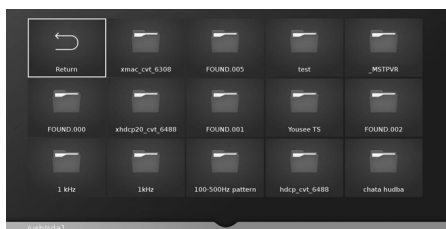
When accessing the USB media or media server features the below menu screen will appear. The content will be divided into Photo, Music, Movie and All.



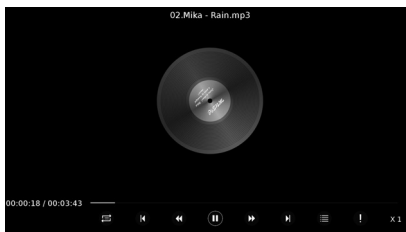
1) You can navigate through the menus using the scroll ▲▼▶◀ buttons on the remote control, to confirm the item you wish to play/view press the [OK] button (the USB1 and USB2 options will only show when a USB stick is connected).



2) USB mode - Select the USB drive (If your drive only has 1 partition you will only see 1 item).  
Media Server - Select the external device that you would like to access.



3) You can now access the item. Press [OK] to view.



4) Whilst viewing your media, you can control the item by using the remote control playback buttons or by pressing [INFO] you can access the on-screen playback menu, you can now make your selection by using the ▲▼▶◀ and [OK] buttons on the remote control.

**Note:** If you experience a playback issue, please ensure the files being used are the correct format (example - the picture plays but no sound) See compatible file types for USB/DLNA page for compatible file types.

**Note:** USB extension cables are not recommended as they can cause a reduction in picture/audio quality and stoppages during play back of USB content.

# DVD SETUP (For models with built in DVD players)



To enter this menu please ensure the TV is in DVD source & press [DVD SETUP]

If you wish to make changes to any of the default settings, use the scroll ▲▼▶◀ buttons. To confirm any settings press [OK] button. To exit this menu at anytime, press [DVD SETUP] button.

**TV Display** - Choose from the following options:

4:3 Pan scan	PS traditional picture format, this is often used with older film formats
4:3 Letter box	LB Traditional picture which has been adapted for widescreen
Wide	16:9 Widescreen picture format

**Speaker Setup** - Choose from the following options:

LT/RT	Converts from multi-channel sound to mono
Stereo	Converts from multi-channel sound to stereo

**Dual Mono** - Choose from the following options:

Stereo	Outputs 2 channels of sound both left and right
Mono L	Outputs left side sound
Mono R	Outputs right side sound
Mix Mono	Outputs a single channel of sound but mixed between right and left

**Dynamic Range** - This is the difference between the quietest and loudest sounds. This setting only works with DVD discs recorded in Dolby digital.

Full	Set this to listen with the range recorded on the disc
3/4	Set this to listen with a range equivalent to a normal television
1/2	Set this to listen with a smaller difference between the maximum and minimum volume
1/4	Set this to listen with a smaller difference between the maximum and minimum volume
Off	Set dynamic range to off

**TV Type** - Choose from the following options:

PAL	For TVs produced in the UK, Europe, Asia, Australia etc
Multi	For both NTSC and PAL
NTSC	For TVs produced in North America, Japan etc

**Default** - Choose from the following options:

Reset	Resets all options in the 'DVD setup' menu back to the default settings
-------	---

**Note:** This TV/DVD player is pre-set to play Region 2 DVDs. In the event you wish to use the TV/DVD in another country that uses different region discs, please visit [www.umc-uk.co.uk](http://www.umc-uk.co.uk). Select 'Product Support', 'Changing Region'.

## USB RECORD - FREEVIEW/SAORVIEW MODE

The USB Record/PVR function is only available in Freeview/Saorview mode and only when used in conjunction with a compatible USB memory stick or USB hard drive. The benefits of this are as follows:

- Pause live TV and then playback, rewind and fast forward (up to live TV).
- One button record, if you decide you want to record the current programme.
- Easy recording from the 7 Day TV Guide.

Due to the nature of the product, it is necessary to use a high speed USB memory stick (as the TV reads from and writes to the memory stick at the same time, some memory sticks may not be suitable).

You can purchase high speed memory sticks from some computer stores, alternatively, we have a selection of tested and compatible memory sticks available to purchase directly from the Helpline/website.

### Recommended Minimum Specification - USB Memory Stick:

Read Speed	20 Mb/s (Megabits Per Second)	If you wish to use a USB portable hard drive larger than 32GB, please refer to the FAQ section at the rear of this user guide.
Write Speed	6 Mb/s (Megabits Per Second)	

### Pause Live TV (Time Shift)

A USB memory stick/hard drive must be connected to the TV in order to use this feature.

- ⏮ - Press the play/pause button and the television will pause and the live content will be recorded. To resume watching press play/pause again.
- ⏭ - Press fast forward to go forward in a recording.
- ⏮ - Press fast rewind to go back in a recording.

**Note:** When you switch the TV to standby or change channel the 'Time Shift' memory is wiped. To restart time shift you must press play/pause button.

**Note:** If channels are moved or deleted, then the USB Record/PVR will not function correctly.

**Note:** This television contains one TV tuner, therefore it can only record the channel you are watching or record one channel while the television is in standby mode.

**Note:** USB Record/PVR function is only available in Digital/Freeview TV mode. Due to copyright laws and illegal copying/recording it is not possible to record to/from any other input/output source.

**Note:** Recorded content can only be played back on the device that recorded it. It is not permitted (or possible) to watch content recorded on the TV from Freeview/Saorview on another device.



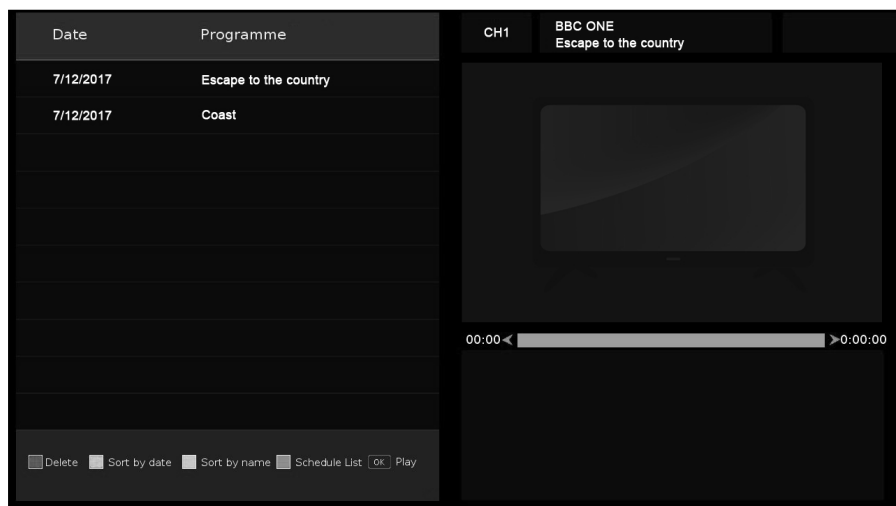
# USB RECORD - FREEVIEW/SAORVIEW MODE

## One Button Record

At any point in time you may decide to record the current programme that you are watching. To do this you need to press the red record button on the remote control.

## Playback files from Record list

To playback recorded files you will be required to have the TV set to the Freeview/Saorview source mode. Once set to the correct source, access the recorded list by pressing the [REC LIST] (Recorded List) button on the remote control, the recorded list should now appear on the screen. Use the arrow buttons on the remote control to navigate to the recording you wish to playback and then press [OK] on the chosen file to start playback.



Use the coloured buttons on the remote control for the following options:

- Press [RED] to delete a selected recording.
- Press [GREEN] to sort the items in the record list by date.
- Press [YELLOW] to sort the items in the record list by name.
- Press [BLUE] to enter the schedule list.

**Note:** Record functions are only applicable to sets with the built in USB Record/PVR function.

# FREQUENTLY ASKED QUESTIONS

General	I would like to have louder sound by connecting additional speakers or a Soundbar.	<p>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. or:</p> <p>2) Connect a digital optical audio cable from the TV's digital optical audio output to your amplifier/surround sound/soundbar digital optical audio input.</p>
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 'Time' 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.	<p>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></p> <p>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.</p>
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> <p>1) Turn off the TV.</p> <p>2) Remove the RF/Aerial cable from the rear of the TV and then turn the TV back on again.</p> <p>3) Using the remote control, press Menu followed by 8-8-8-8 to enter the initial setup/first time installation menu.</p> <p>4) Press OK (let the TV run the full tuning process).</p> <p>5) Once completed, turn off the TV, reconnect the RF/Aerial cable then turn the TV back on again.</p> <p>6) Repeat steps 3 &amp; 4.</p>
VCR/DVD Recorder	I have connected the TV to my VCR or DVD Recorder via SCART but it is not recording.	In addition to connecting via SCART, you should connect the aerial cable from the wall socket to your VCR/DVD Recorder and another aerial cable from the VCR/DVD Recorder to the TV.
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.	<p>1) Ensure the TV's source is set to HDMI.</p> <p>2) Check your settings on your Playstation/Xbox are as per the Playstation/Xbox instruction manual.</p>
Game Consoles	I have connected my Playstation/Xbox to the TV via Component cables (red, green & blue) but I am not receiving any sound.	Component cables only provide HD pictures. For the sound you will need to connect the red & white audio cables on the Playstation/Xbox to the red & white phono inputs (or mini AV input where fitted) on the rear of the TV. Please refer to the 'Connections' pages.
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.

# FREQUENTLY ASKED QUESTIONS

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 inserted a disc but it is not playing.	<ol style="list-style-type: none"> <li>1) Ensure you have inserted the disc facing the correct way.</li> <li>2) Ensure the disc is clean and is not scratched.</li> <li>3) Some copied discs will not play.</li> <li>4) Check the DVD is a region 2 disc – to change the region of the DVD player, refer to <a href="http://www.umc-uk.co.uk">www.umc-uk.co.uk</a>, select 'Changing DVD Region' in the 'Product Support' section</li> </ol>
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.
USB Record/PVR (For TV models with USB record only)	I cannot change the channel, access the menu or use the red button.	During time shift you cannot change the channel, access the menu or use the red button.
USB Record/PVR (For TV models with USB record only)	When using the USB to record the picture 'breaks up' or experience loss of sound.	Check the USB memory stick meets the minimum read speed requirements. Standard definition channels require a read speed of 20 Mb/s (Megabits per second) and a write Speed of 6 Mb/s (Megabits per second) HD channels require the read speed of 80 Mb/s (Megabits per second) and a write speed of 40 Mb/s (Megabits per second). USB 3.0 sticks should be used where possible.
Freeview HD	I cannot access all Freeview channels.	Some data channels for Freeview can only be obtained when the TV's ethernet port is connected to your router.
Freeview HD	I cannot find the Freeview HD channels.	Freeview HD channels found during tuning will be placed in channel positions above 100. For example, 101 (BBC1 HD), 102 (BBC2 HD) etc.
Freeview Play app	when I access the Freeview Play app there are no apps to select	Please ensure the TV has a network connection.
Catch Up menu	There is no channel and programme information available?	Please ensure the TV has a network connection and has been tuned in with a TV aerial connected.
Catch Up menu/ USB Record	I cannot record programmes from the last 7 days?	The USB Record function will only allow you to record programmes currently being broadcast or being broadcast at a later date

# FREQUENTLY ASKED QUESTIONS

Smart	I cannot access Smart apps on my Smart TV	<p>Check your TV is connected to the internet and there is suitable signal strength.</p> <p>You can carry out a Network Test as follows:</p> <ol style="list-style-type: none"> <li>1) Press Menu on the remote control.</li> <li>2) Select 'Network' Menu then 'Network Test'.</li> <li>3) This will show the status of the internet connection.</li> </ol> <p>If you have no internet connection you must re-connect your TV as follows:</p> <ol style="list-style-type: none"> <li>1) Press Menu on the remote control.</li> <li>2) Select 'Network' Menu then 'Wi-fi config'.</li> <li>3) Then 'Wifi Auto Search'.</li> <li>4) The TV will then automatically search for Networks.</li> <li>5) Select the desired network then enter the Network password.</li> <li>6) The TV will then connect.</li> </ol> <p><b>Note:</b> An icon will appear in the top right hand side of the Application page to show you if the TV is connected to the internet.</p>
Smart	I cannot access content through the Media Server settings	Check your TV is connected to your local network and there is suitable signal strength. Check the server devices you are trying to connect with are also on the Network and are set to share content.
Smart	I cannot access content through the Wireless Connection settings	Ensure the device you are trying to mirror onto the TV is correctly paired with the TV. Check the settings on the device, move your device closer to the TV set, check you guide of the device to ensure it is compatible with this function.
Smart	While using Media Server, access is not possible or connection is slow	<p>If the folder you are attempting to view contains a large amount of files, it may take a little while to load, this is normal, content may be blocked on the host PC. Reconfigure the host PC to allow external access.</p> <p><b>Note:</b> Host may not be connected to your network.</p>
Smart	The YouTube app does not work and/or is erratic	The Youtube app requires the TV to be set with the correct date and time, please see the 'Time Menu' page for further instructions. Ensure your network is not blocking access to YouTube and the speed of your internet connection is fast enough for viewing YouTube content.
First Time Installation	I need to retune and reset my set.	Make sure that the set is on, then press the following buttons on the remote control in sequence – MENU, 8, 8, 8, 8. The set will now enter the First Time Installation mode. Follow the instructions to set up your set.
Reset	I would like to reset my television.	Press the Menu button on your remote control then select Settings > Setup > Reset TV. This will reset the set to its default settings.
Pairing the remote control	Remote control does not work with the TV set when first time installation is on the TV screen	During first time installation press and hold the centre two coloured buttons at the bottom of the remote control for a few seconds. The power light will blink 5 times to confirm the TV and remote control are paired.
Pairing the remote control	Remote control does not power on the TV set	Switch the TV on using the standby button on the TV set (not the remote control), once switched on, press the standby button on the TV set once, this will prompt the 'pairing menu' to appear, scroll through and highlight 'Pair your remote' by pressing the <b>CH+/CH-</b> TV button (scroll up/down function in the menu) then press the TV set's standby button (OK function in the menu) to confirm your selection, then with the remote control, press and hold the centre two coloured buttons at the bottom of the remote control for a few seconds, the power light will blink 5 times to confirm the TV and remote control are paired.



# TECHNICAL SPECIFICATION

## Product fiche

Trademark	Sharp
Model ID	LC-24DHG6131KFM LC-24DHG6132KFM
Energy efficiency class	A
Visible screen size (diagonal)	60 cm / 23.6 inches
On-mode average power consumption	25.0 W
Annual energy consumption *1	37 kWh
Standby power consumption *2	<0.50 W
Off mode power consumption	n/a
Screen resolution	1366 (H) x 768 (V)
*1: Energy consumption XYZ kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used. *2: When the TV is turned off with the remote control/standby button and no function is active.	

## Additional technical information

RF	75 ohm Antenna / Analog / DVB / Satellite*
Inputs	2 x HDMI, 2 x USB, 1 x SCART, 1 x Mini Component/YPbPr, 1 x Mini AV IN - Composite Video/CVBS and L/R Audio shared for Composite Video and Component/YPbPr, 1 x RJ45 LAN/Ethernet
Sound Outputs	1 x Digital Optical Audio output, 1 x 3.5mm Headphone
Speaker / Amplifier Watts (RMS)	2 x 5 / 2 x 3
Voltage and power consumption	12V DC / 24V DC 25/48W (ecomode/max) (<0.5W in Standby)
Power Adapter	In.100~240V AC 50/60Hz   Out.:12V DC 4A
Dimensions including stand (mm)	554W x 355H x 142D
Net weight (Kgs)	3.7
Wall Mounting	VESA 100 x 100 (mm)

\*Satellite input is for the LC-24DHG6132KFM model only.

# COMPATIBLE FILE TYPES FOR USB/DLNA

Media	Codec	Resolution	Bit Rate	File Extension
Film	MPEG1/2	1080P@60fps	40Mbps	.DAT, .VOB, .MPG, .MPEG, .ts, .trp, .tp, .mp4, .mov, .3gpp, .3gp, .avi, .mkv, .asf
	MPEG4	1080P@60fps	40Mbps	.MPG, .MPEG, .mp4, .mov, .3gpp, .3gp, .avi, .mkv, .asf
	XviD	1080P@60fps	40Mbps	.mp4, .mov, .avi, .mkv, .asf
	Sorenson H.263	1080P@60fps	40Mbps	.flv
	H.263	1080P@60fps	40Mbps	.3gpp, .3gp
	H.264	1080P@60fps	80Mbps	.flv, .mp4, .mov, .3gpp, .3gp, .ts, .trp, .tp, .avi, .mkv
	HEVC/H.265	2048x1088@60fps	30Mbps	.mp4, .mkv
	AVS	1080P@60fps	40Mbps	.ts, .trp, .tp
	AVS+	1080P@60fps	50Mbps	.ts, .trp, .tp
	VC1	1080P@60fps	40Mbps	.wmv
	Motion JPEG	640x480@30fps	10Mbps	.mov, .avi, .mkv
	VP8	1080P@30fps	20Mbps	.mkv, .webm
VP9	2048x1088@60fps	30Mbps	.mkv, .webm	
Media	Codec	Frequency	Bit Rate	File Extension
Music	MPEG1/2 Layer1, 2, 3	16KHz ~ 48KHz	Layer1 32Kbps ~ 448Kbps Layer2 8Kbps ~ 384Kbps Layer3 8Kbps ~ 320Kbps	.avi, .asf, .mkv, .ts, .trp, .tp, .DAT, .VOB, .MPG, .MPEG, .mp3, .wav, (Layer3 - .3gpp, .3pg, .flv, .swf, .m4a)
	AC3	32KHz, 44.1KHz, 48KHz	32Kbps ~ 640Kbps	.ac3, .avi, .mkv, .3gpp, .3gp, .mp4, .mov, .m4a, .ts, .trp, .tp, .DAT, .VOB, .MPG, .MPEG
	EAC3	32KHz, 44.1KHz, 48KHz	32Kbps ~ 640Mbps	.ec3, .3gpp, .3gp, .mp4, .mov, .m4a, .ts, .trp, .tp, .DAT, .VOB, .MPG, .MPEG
	HEAAC	8KHz ~ 48KHz		.aac, .avi, .mkv, .3gpp, .3gp, .mp4, .mov, .m4a, .ts, .trp, .tp, .flv, .rmvb
	VORBIS	Up to 48KHz		.mkv, .webm, .3gpp, .3gp, .mp4, .mov, .m4a, .ogg
	LPCM	8KHz ~ 48KHz	64Kbps ~ 1.5Mbps	.avi, .mkv, .3gpp, .3pg, .mp4, .mov, .ts, .trp, .tp, .DAT, .VOB, .MPG, .MPEG, .wav, .m4a
	LBR(cook)	8KHz, 11.025KHz, 22.05KHz, 44.1KHz	64Kbps ~ 128Kbps	.rm, .rmvb
	FLAC	8KHz ~ 96KHz	< 1.6Mbps	.mkv, .flac
	DRA	8KHz ~ 48KHz	< 512Kbps	.ts, .trp
DTS	Up to 48KHz	< 1.5Mbps	.mkv, .VOB	
Media	File Type	Resolution		File Extension
Photo	JPEG	15360x8640, (1920x8 x 1080x8)	Base-line	.jpg/.jpeg
		1024x768	Progressive	
	PNG	9600x6400	Non-interlace	.png
		1200x800	Interlace	
	BMP	9600x6400		.bmp
GIF	6400x4800 (800x8 x 600x8)		.gif	
Internal Subtitle	File Extension	Container	Subtitle Codec	
	mp4	MP4	DVD Subtitle, UTF-8 Plain Text	
	mkv	MKV	ASS, SSA, UTF-8 Plain Text, VobSub, DVD Subtitle	
	avi	AVI(1.0, 2.0)	XSUB, XSUB+	
External Subtitle	File Extension	Subtitle Parser	Remark	
	.srt	SubRip		
	.ssa/.ass	SubStation Alpha		
	.smi	SAMI		
	.sub	SubViewer, MicroDVD, DVDSubtitleSystem, Subldx(VobSub)	SubViewer 1.0 & 2.0 Only	
	.txt	TMPlayer		



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UMC Poland sp. z o.o  
Ostaszewo 57B, 87-148 Lysomice,  
Poland

Assembled in Poland

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

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