

# SIGNIFY

# 55"

# 4K

ULTRA HD  
LED LCD TV



## Instruction Manual

EA0815

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# Customer Support

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## **Congratulations on choosing to buy a Signify® product.**

All products brought to you by Signify® are manufactured to the highest standards of performance and safety and as part of our philosophy of customer service and satisfaction, are backed by our comprehensive 1 Year Warranty.

This comprehensive instruction manual will provide you with a detailed guide on how to operate your product and will also assist you in troubleshooting any problems that you may encounter.

If you have any queries regarding the use of this product, please feel free to phone our technical support line for some friendly advice. If you are experiencing difficulties or believe that the product may have a technical fault, we will assist you in rectifying the issue. We can generally solve most problems simply and quickly over the phone, so please always phone us first!

We are sure that you will enjoy using this product and you can expect to gain years of service from this product when it is used and maintained in the correct manner.

Should you encounter any problem, before returning the product to the store, please read this user manual carefully, check our online Q&A's or contact us directly. Our friendly technical support team will be happy to assist you. In the event that the product has technical issue and is unrepairable, we will provide you a Return Authorisation Number if the faulty product needs to be returned to store.

## **Customer Support Team**

1300 777 137

Hours of Operation: 9am – 4:30pm\* Monday – Friday

9am – 3pm Saturday

\* Hours of Operation are Australian Eastern Standard Time.

[service@signifyelectronics.com.au](mailto:service@signifyelectronics.com.au)

[www.signifyelectronics.com.au](http://www.signifyelectronics.com.au)

ITEM CODE: EA0815



# Warranty Information

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## Warranty Period Table

Signify® PRODUCT	SIZE	WARRANTY PERIOD	WARRANTY SERVICE TYPE
TV	42" and above	12 months	In-Home Service.
TV	19" to 40"	12 months	Authorised Service Centre or Return to Store with Return Authorisation Number.
All other Signify products		12 months	Authorised Service Centre or Return to Store.

### Warranty Service Type:

#### In Home Service/Pick up Service

This service will only be provided as part of this warranty if all the following conditions are met:

- The product is indicated in the Warranty Period Table;
- The product is within the warranty period; and
- The product is located within the normal service area of the local Signify® Authorised Service Centre.

If the Signify® team determines that the product is not repairable on site, the customer will need to take the product to a Signify® Authorised Service Centre (at customers cost) and the repair will be undertaken at this location. After the repair, the product will be available for collection or returned to the purchaser at a fee upon request.

#### Authorised Service Centre/Carry-in Service

The purchaser is required to send the product at their own expense to the nearest Signify® Authorised Service Centre for repair. After the repair, the product will be available for collection or return to the purchaser at a fee upon request. Signify® in-home service can be made available at a fee if requested.

- A 6 month replacement warranty is applicable to all accessories such as remotes, power adaptors and cables, as long as all warranty requirements are met. Damage from misuse will not be accepted.
- Signify® will ensure to the best of its abilities that all required parts are made available for any required service/repair.
- Signify®/Uncle Bills Australia Pty Ltd and its Authorised Service Centres will endeavour to complete product repairs within a reasonable period based on available resources and workload during the time when service is requested and performed.
- Refurbished parts may be used to repair the product. In the case of a replacement, the product may be replaced, with a refurbished unit of the same type or, if one is unavailable, a similar refurbished model with equal or better features and specifications.
- Please be advised that if the product presented for repair is capable of retaining user-generated data, the data may be lost during servicing. Customers are strongly encouraged to back up all important information/data before sending the product in for service/repair.

# Warranty Information (cont)

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6. Service will be provided only during normal business hours and under safety conditions and circumstances. Signify® and its authorised service agents can refuse any repair if safety, in relation to OH&S, becomes a concern to its staff or authorised service agents' personnel.

The warranty is void and warranty claims may be refused, subject to the Australian Consumer Law, if:

- The product was not transported, installed, operated or maintained according to the instruction given by the manufacturer.
- The product was abused, damaged, tampered with, altered or repaired by any unauthorised persons.
- Product failure is due to accidents during use, installation or transit, power surges, use of defective or incompatible external devices, exposure to abnormal conditions such as excessive temperatures or humidity, or entry of liquids, objects or creatures inside the product (eg. cockroach infestations).
- The product has been dropped or has collided with another object, has been used for reasons other than its intended use, has been accidentally or deliberately misused, or for others reasons such as theft, vandalism, floods, fires, earthquakes, electrical storms or any other act illegal act or war related events.
- The serial number of the product is missing or has been tampered with.
- The product is purchased in an Auction.
- The product is incorrectly assembled or installed.

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**NOTE:** If any repairs or services requested by the customer are outside of the terms and conditions of this warranty, or where a fault is determined to be outside of the terms and conditions of the warranty during an in-home service call, the customer shall be charged for the cost of the repair and/or the in-home service call fee.

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7. No one is authorised to assume any liability on behalf of Signify® or impose any obligation on it, in connection with the sale of any equipment other than as stated in this warranty and outlined above.
8. Signify® and/or its Authorised Service Centres reserve the right to inspect and verify whether the product is exhibiting a major failure as claimed by customers/retailers.
9. Image retention or burn-in can be a problem for all phosphor based displays. In extreme cases permanent phosphor burn can occur if still/repetitive images are left on the screen for extended periods of time. Such damage to the screen is not covered by the warranty. Please ensure that precautions are followed to avoid permanent damage to your display.
10. All LCD, LED LCD and plasma panels can exhibit some bright, dark or partially lit pixels, a normal limitation of these technologies and the manufacturing process involved and are usually not noticeable when viewing normal screen images. Defective pixels are not a warranty issue, unless they exceed the ISO 13406-2\* standard for pixel defects. All panels used for Signify® TVs have passed ISO 13406-2 standards.



# Warranty Information (cont)

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\* To regulate the acceptability of defects and to protect the end user, ISO have created a standard for manufacturers to follow. ISO 13406-2 recommends how many defaults are acceptable in a display before it should be replaced, within the terms and conditions of warranty.

11. Where a product has been mounted to a wall, it is your responsibility to remove it from the wall to repair or service and re-install the product to the wall after service.
12. If Signify® or its Authorised Service Centre determines that your claim of a Signify® consumer product is invalid, Signify® may charge you for any labour, parts or transport costs incurred by Signify® or its agent in assessing your claim.

If you have any issues with this product or require further information, please contact our helpful customer support team via phone or email (details below). The product comes with a full 1 year warranty for your piece of mind. In many cases we will resolve the issue without you having to return the product. Our friendly staff can also help you with troubleshooting or advice in relation to the use of this product. Please ensure that you have the model number, serial number and purchase receipt ready before you call.

## Customer Support Team

1300 777 137

Hours of Operation: 9am – 4:30pm\* Monday – Friday  
9am – 3pm Saturday

\* Hours of Operation are Australian Eastern Standard Time.

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1300 777 137



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[www.signifyelectronics.com.au](http://www.signifyelectronics.com.au)

SIGNIFY

07

# Safety Warnings

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The safety precautions enclosed herein reduce the risk of fire, electric shock and injury when correctly adhered to. Follow all instructions and take notice of all the warnings.



**CAUTION**  
**RISK OF ELECTRIC SHOCK**  
**DO NOT OPEN**



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**CAUTION:** To reduce the risk of electric shock, do not remove the rear cover on the back of the TV. There are no user-serviceable parts contained within. Removing any part of the TV or attempting to modify the product will void the warranty. Refer servicing to qualified service personnel as recommended by our Service Centre.

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The lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert you to the presence of non-insulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

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The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

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**IMPORTANT:** Only connect this TV to a mains socket with a protective earthing connection.

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- To prevent damage which may result in fire or an electric shock hazard, do not expose this TV to rain or moisture. Do not place objects filled with liquids, such as vases, on or near the apparatus.
- Do not change or modify the TV in any way.
- Only use the attachments or accessories specified by the manufacturer.



# Important Safety Instructions

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## General Electric Safety:

- Before installing the Signify® TV set, make sure your outlet voltage corresponds to the voltage stated on the TV rating label. Always use the power cord supplied for this TV.
- Do not use an extension cord unless completely necessary with the TV. If an extension cord is used, please ensure that it has a rating equal or exceeding the rating of this product.
- Unless your home is already fitted with a residual current device (safety switch), we recommend installing an RCD with a rated residual operating current not exceeding 30mA to provide additional safety protection when using electrical appliances. See your electrician for professional advice.
- The TV is not intended to be operated by means of an external timer or any type of separate remote control system.
- Do not bend, twist or squash the power cord and/or antenna cable under the main unit or other heavy objects. Do not use a damaged power cord or plug and do not try to insert into a loose outlet. Doing so may create risk of electric shock.
- Do not run the power cord near heat-producing appliances such as radiators, stoves or irons. The excessive heat could melt the insulation and expose live wires, resulting in risk of fire or electric shock.
- Unplug this TV during lightning storms or when unused for long periods of time. Not doing so may result in risk of fire or electric shock.
- Always grasp the plug when disconnecting the power cord. Pulling the cord can damage the internal wire and may cause risk of fire. Never touch the power plug with wet hands.
- The TV is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience or knowledge unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety.
- Do not leave the TV unattended when plugged in. Always switch off and unplug when you are not using the TV.

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**WARNING:** Always use a power board equipped with a surge guard system to protect your TV against any power surges.

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## Protect from Moisture and Heat

- Avoid exposing the TV to direct sunlight and other sources of heat. Do not place the TV directly on or near other products that generate heat (eg. microwaves, audio amplifiers and heaters).
- Do not use or store flammable or combustible materials near the TV. Doing so may result in fire or explosion. Do not place any naked flame sources, such as lit candles, cigarettes or incense sticks on top of the TV set.
- Do not block the ventilation holes located on the rear cover on the TV. Ventilation is essential to prevent failure of electrical components. Dust the ventilation holes regularly with a static proof cloth or feather duster.

# Important Safety Instructions (cont)

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## Handling the Antenna

- Install the antenna away from high-voltage power lines and communication cables and make sure it is installed securely. If the antenna comes into contact with a power line, risk of fire, electric shock or serious injury may occur.
- Depending on your location and surroundings the TV reception may vary. Always use a qualified antenna specialist to install or examine your antenna.

## Cleaning and Maintenance

- Always unplug this TV from the power outlet when not used for long periods of time. The accumulation of dust over time may generate heat, deteriorate the insulation and create a risk of electrical fire.
- Always unplug the TV from the power supply before cleaning.
- Only use a soft, dry and static-free cloth for cleaning the cabinet and stand of the TV; do not use a damp cloth. Never clean with industrial strength polish, wax, benzene, paint thinner, air freshener, lubricant, detergent or other chemicals. Wipe off any moisture, dirt or dust on the power plug pins with a clean and dry cloth.
- The LED panel used in this product is made of glass. Therefore, it can break when the product is dropped or is impacted by other products. Take extreme caution when cleaning, moving or installing the TV. Be careful when handling broken glass pieces in the event that the LED panel breaks.
- If the unit requires repair, contact the Signify® customer support team on 1300 777 137. There are no user-serviceable parts contained within. Removing any part of the TV or attempting to modify the product will void the warranty. Never attempt to disassemble or modify the unit or attempt to service it yourself.

# Installation

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## Step 1: Select a Location for Installation

When determining a position to install the TV set, ensure the area is:

- Well ventilated and away from moisture.
- Protected from abnormal heat and away from direct sunlight.
- Away from excessive dust, debris or grease.

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**WARNING:** If the TV is not positioned or installed in a sufficiently safe and stable location, it can create a potential hazard by falling, resulting in injury and damage to the unit and its surroundings, particularly in environments where children may be present. To prevent injuries from your television falling, take a few simple precautions:

- Monitor children and ensure they keep a safe distance from the TV.
- Do not place the TV on tall furniture or in a confined area (eg. on a cupboard or bookcase) without anchoring both the furniture and the TV to a suitable support.
- Only use furniture that is stable and can safely support the TV.
- Ensure the TV does not have any overhang of the supporting furniture.
- Educate children about the dangers of climbing onto the furniture to reach TV controls.
- Do not place the TV on cloth, cushions or any other similar materials.
- Never stand on, lean on, or push the unit or its stand.
- If the furniture has to be moved, please first remove the TV and place it in a safe location on the floor.
- Do not cover the TV with a blanket, cloth or other similar materials.
- Do not place the main unit on an unstable stand, shelf or table. Serious injury to an individual and damage to the TV may result if it should fall. If the TV falls over because of customer error, the warranty will be voided.

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**CAUTION:** Due to the size and weight of this TV, it is highly recommended that 2 people are used to move it.

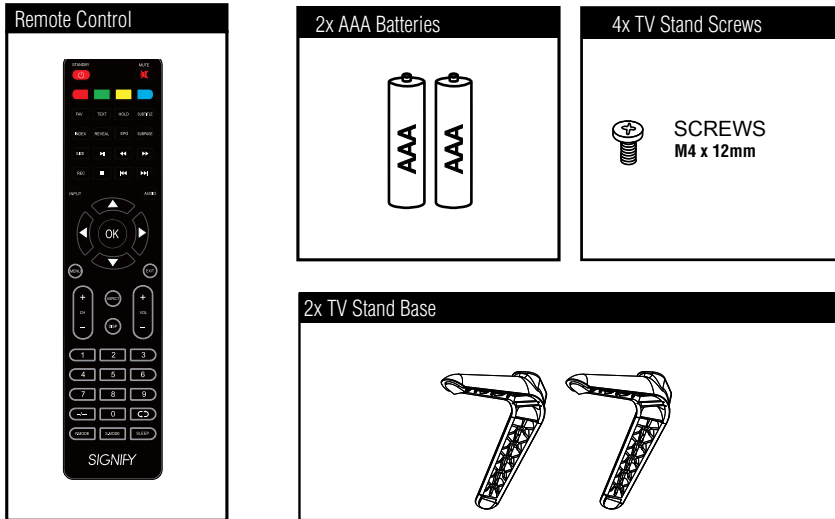
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**NOTE:** Before unpacking the TV, ensure you have a table or a desk ready to lay the TV on. Ensure the surface is flat and clean and lay a soft cloth or blanket over the surface to protect the screen of the TV.

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# Installation (cont)

## Step 2: Unpack and Check your Accessories



This TV is equipped with standard VESA wall-mounting points and we recommend that a VESA compatible wall bracket be installed between the TV and the wall to prevent the TV from falling from a cabinet (bracket not included). Included but not pictured: User Manual, Warranty Card and Quick Start Guide.

1. Carefully remove the TV from its packaging, take immense caution not to apply any pressure to the front of the TV screen.
2. Please go through all packaging material and ensure all TV accessories listed above have been unpacked from the packaging. Some accessories may be located in cut-out sections of the internal packaging, so ensure you do not miss any items and discard them by mistake. Once all items are removed from the packaging, use the list above to check that nothing is missing. If any items appear to be missing, contact our Signify® Warranty Service Hotline.
3. Once all accessories have been accounted for, prepare a location where you can attach the stand base to the bottom of the TV, you will also require a Phillips Head screwdriver (not included) to attach the TV stand base.

**NOTE:** Before proceeding to the installation section of this manual, please ensure that your outdoor TV antenna is installed correctly and is ready to connect to your TV.

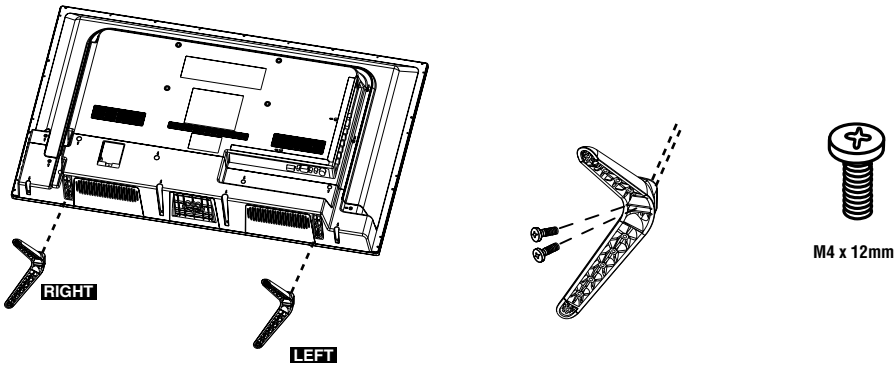
# Installation (cont)

## Step 3: Assembling Stand Base/Wall Mount Option

1. Ensure the table or desk you use to unpack the TV is flat, clean and stable. Lay a soft cloth or blanket over the surface to protect the screen of the TV.

**NOTE:** Always unplug the TV from power outlet when assembling or moving the TV.

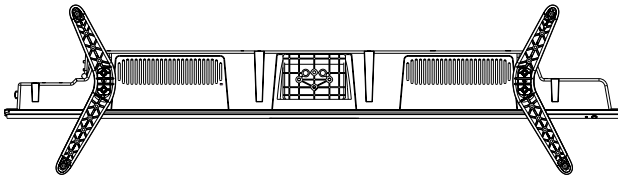
2. Observe the markings ("L" or "R") on the base stand. Ensure the longer leg of each TV base stand is facing outwards from the front of the TV and slide the rectangular section on the top of the TV base stand into the designated slot on the rear of the TV.



3. Insert the TV stand screws into the designated holes in the rear of the TV base stand and tighten the screws firmly with a Phillips Head screwdriver (not included).

**CAUTION:** Do not apply excessive force while tightening the screws as this may damage the TV base stand.

4. Ensure the TV base stands are securely attached to the rear of the TV before standing the TV upright.



**WARNING:** If the TV is not positioned or installed in a sufficiently safe and stable location, it can create a potential hazard by falling, resulting in injury and damage to the unit and its surroundings, particularly in environments where children may be present. To prevent injuries from your television falling, please refer to page 11 for taking a few simple precautions.

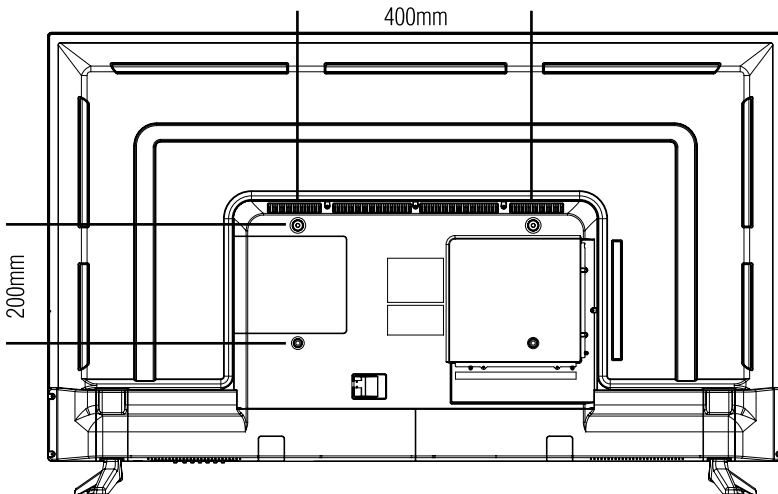
# Installation (cont)

## Wall Mount Assembly Guideline

**NOTE:** Wall brackets are not supplied with this product.

If wall mounting the TV is desired please read the following specifications and instructions in conjunction with the instructions included with the bracket. If you are not confident in your abilities to mount the TV, please seek assistance from qualified personnel. Signify® is not liable for any damage or injury caused by incorrectly mounting the TV.

Wall Mount Compatibility	Suggested Screw Dimension
VESA 200 * 400	M6 Screws, length 10mm x 2pcs M6 Screws, length 16mm x 2pcs



**NOTE:** The TV stand screws in the package are for securing the TV stand ONLY. If you are wall-mounting the TV, please consult with qualified personnel for further instructions on installing the bracket and wall support.

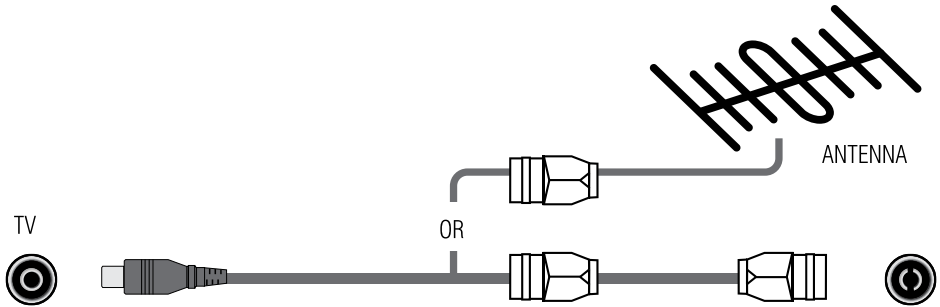
## Remove the TV Stand Base from the TV

1. Before removing the TV base stands, ensure you have a table or a desk ready to lay the TV on. Ensure the surface is flat and clean and lay a soft cloth or blanket over the surface to protect the screen of the TV. The screen is fragile and must be appropriately protected when removing the TV base stands. Be sure that no hard or sharp objects can come into contact with the screens surface. Do not exert pressure to the front of the unit at any time, as this will damage the LCD screen.
2. Using a Phillips Head screwdriver (not included), remove the screws from the rear of the TV stand base. Store the stands and screws in a safe location for future use.

# Installation (cont)

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## Step 4: Connecting the Antenna



In order to receive TV programmes the signal should be received from one of the following signal sources:

- Outdoor antenna
- Cable TV network
- Satellite broadcast network

1. In these three cases, the input cable of the antenna or TV network should be plugged into the 750hm coaxial cable jack at the lower back side of the TV.

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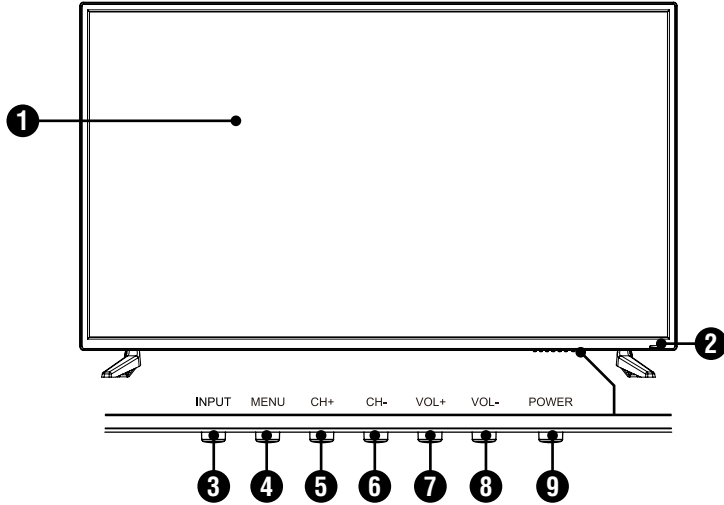
**NOTE:** The antenna cable is not included and can be purchased from all good Electronics retailers.

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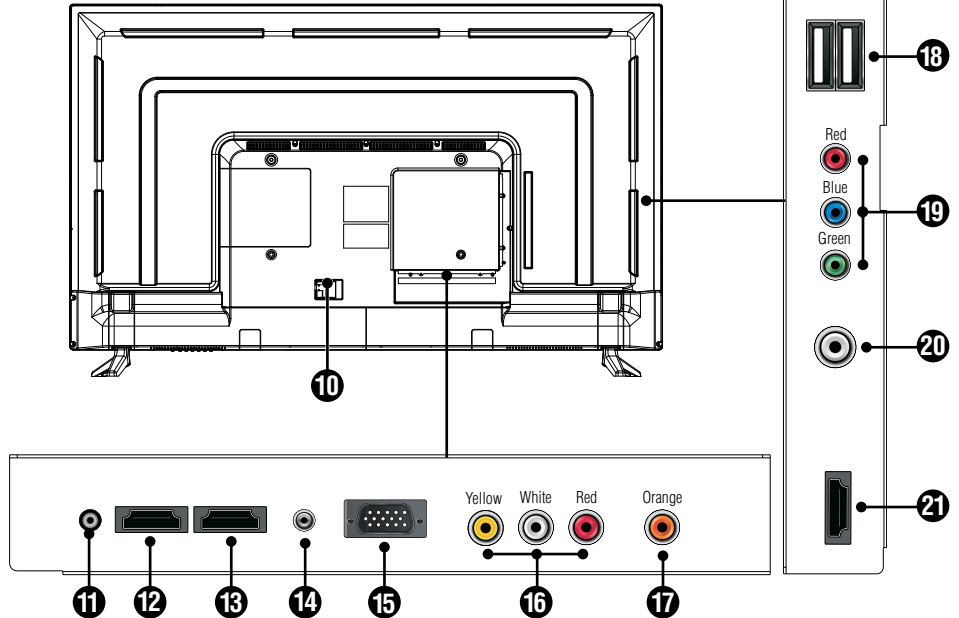
2. If you are using an indoor antenna and the TV reception is not satisfactory, you can adjust the position of the antenna but it is strongly suggested to use the outdoor antenna.

# TV Overview

## TV Front View and Connections



## TV Back View and Connections





## TV Overview (cont)

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1. LCD Display Screen.
2. IR (infra-red) Sensor.
3. INPUT: Select the input source.
4. MENU: Enter the settings menu.
5. CH + : Select the next channel or move up.
6. CH - : Select the previous channel or move down.
7. VOL + : Increase the volume level or move left.
8. VOL - : Decrease the volume level or move right.
9. POWER.
10. POWER CABLE INPUT.
11. HEADPHONES OUTPUT.
12. HDMI1: V2.0 (supports UHD resolution).
13. HDMI2: V2.0 (supports UHD resolution).
14. PC AUDIO INPUT.
15. VGA INPUT.
16. AV INPUT (COMPOSITE): Connect to basic AV devices such as VCR, DVD or camcorder.
17. COAXIAL OUTPUT: Digital output to AV receiver.
18. 2 x USB INPUT.
19. Y/Pb/Pr INPUT (COMPONENT): Supports both SD (Standard Definition) and HD (High Definition) picture quality.
20. ANTENNA INPUT: Connect to an outdoor VHF/UHF antenna or cable.
21. HDMI3: V1.4 (supports full HD 1080p resolution).

# TV Connections

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## More Information on the Connections

You can connect a HDMI/comp/AV cable from external audio visual equipment to your Signify® TV. No sound connection is needed for a HDMI to HDMI connection. If the signal resolution does not match the specification table (see page 55), you will need to change the setting on the device as specified by the table. Please consult your device user manual for further instructions.

## HDMI Input

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**NOTE:** HDMI1 and HDMI2 are V2.0 (support UHD 4K 2K 2160P) HDMI3 is V1.4 (supports 1080P resolution). Please see page 52 for Important Information about Ultra High Definition 4K TV.

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**NOTE:** HDMI cable is not included with your Signify® TV.

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- HDMI (high-definition multimedia interface) allows you to connect devices (such as a Blu-ray players, laptops, DVD players etc.) to the TV and enables the transmission of digital audio and video signals using a single HDMI cable without compression.
- Use the HDMI terminal when connecting a compatible device via a HDMI connection. If your external device has DVI only, you should use a DVI-to-HDMI cable (or adaptor) for the connection and the “R - AUDIO - L” terminal on DVI for sound output.

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**NOTE:** Some devices connected with HDMI might not recognise a TV with Ultra HD and might not work correctly or show distorted picture or sound. Please note that this is not a product fault of the TV.

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## ARC (Audio Return Channel)

Connect a HDMI cable from an external digital audio system. ARC enables the TV to directly output the digital sound through the HDMI cable. Please note that it works only when the TV is connected to an audio receiver that supports the ARC function. When the HDMI port is used as the ARC function, it cannot be used as signal input at the same time.

ARC function is not available on these models: EA0815, EA0799, EA0922 and EA0960.

## Y/Pb/Pr Input (COMPONENT)

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**NOTE:** Y/Pb/Pr Input (COMPONENT) cable is not included with your Signify® TV.

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Connect the component video (not included) to the corresponding inputs “Y”(green), “Pb”(Blue), “Pr”(red) to the rear of your TV, then connect the other ends to the corresponding component video output connectors on your device for the video. Then connect the RCA audio cables (not included) by connecting the “R (right/red) and L (left/white)” for the sound.

The Y/Pb/Pr connectors on your devices (PVR or DVD) are sometimes labelled Y, B-Y and R-Y or Y, CB and CR (colours for inputs and cables must correspond on both devices).

# TV Connections (cont)

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## Coax Out

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**NOTE:** Digital coaxial cable is not included with your Signify® TV.

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Use a digital coaxial cable (not included) to connect the TV with an amplifier or other audio decoding devices for digital audio signal output. A coaxial digital audio connection is used to send S/PDIF digital audio signals between devices. It supports stereo audio as well as DTS and Dolby Digital 5.1/7.1 surround sound signals.

## AV Input (COMPOSITE)

For a basic AV connection, use a video RCA cable (not included) to connect an appropriate external AV device (such as VCR, DVD or camcorder).

Connect the RCA audio cables by connecting the “R (Right/red) and L (Left/white)” and “CVBS” (yellow) video cables into the corresponding coloured video input on the rear of the TV. Connect the other ends to corresponding audio and video out connectors to the external AV device.

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**NOTE:** Colours for video inputs and cables must correspond on both devices.

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## VGA and Audio

Connect a VGA cable (not included) and 3.5mm audio cable (not included) from the PC.

## USB Input

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**NOTE:** USB storage device is not included with your Signify® TV.

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Insert a USB storage device for multimedia file playback, PVR recording and timeshifting into the USB input located on the rear of the TV. This USB port also can be used for servicing and updating software on your TV. Please be aware of the limitation of the USB storage device and playable file formats (see page 40 for Important Notes for Using PVR/USB/Media Function).

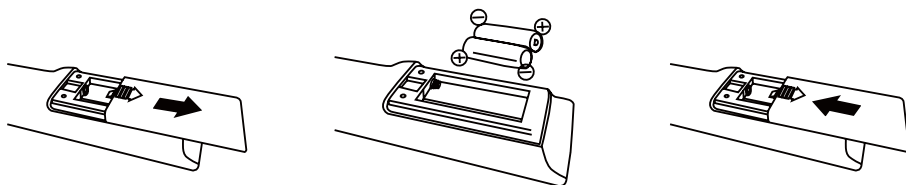


# Remote Control

## Insert Batteries into the Remote Control

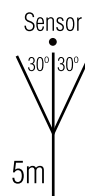
- Use your finger to slide down the cover of the battery compartment cover on the rear of the remote control. The bottom of the battery compartment cover will click up. You will then need to pull out the battery compartment cover so that the locking tab releases from the groove inside the remote control.
- Paying attention to the (+/-) polarity markings on the batteries, insert 2x AAA batteries to the battery compartment.
- If the remote control is not working when you are pointing the remote control at the IR sensor on the front of the TV, remove the batteries and replace with new ones.

**NOTE:** Remove the batteries if the remote control is not going to be used for a long time.



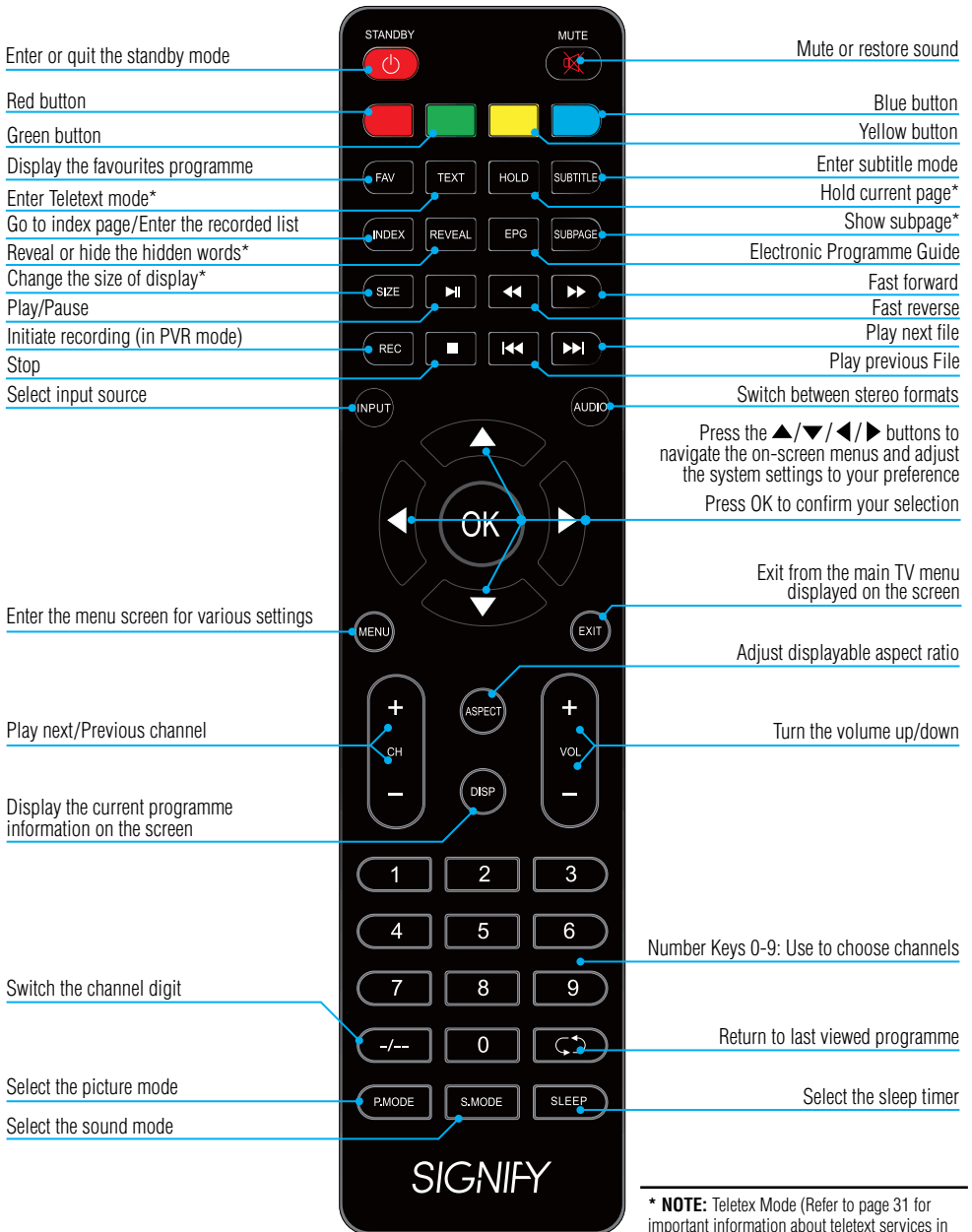
## Remote Control Operating Range

- To use the remote control, point it towards the IR sensor at the front of the TV.
- The remote control can work up to a range of approximately five metres from the TV and at an angle of up to 30° each to the right and left of the IR sensor. The operating distance may vary according to the brightness of the room.
- The remote control will not operate if the path is blocked.
- Do not drop, step on or otherwise impact the remote control as this may damage the internal parts and lead to malfunction.
- Do not point bright lights or lasers at the IR sensor.
- Do not place objects between the remote control and the IR sensor.
- Do not use this remote control while simultaneously operating a remote control of other devices.



**WARNING:** Make sure all relevant equipment is properly connected (as illustrated in this manual) before connecting the unit to a wall socket and turning on the power.

# Remote Control (cont)



**\* NOTE:** Teletext Mode (Refer to page 31 for important information about teletext services in Australia)

# Getting Started

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## Turn On the TV

- Plug the power cord into a suitable power outlet, then turn the outlet on.
- Press the power button located on the lower right hand side of the TV front panel; the indicator light will illuminate green indicating the TV is on (if the TV is in standby mode, press the power button on the remote control to turn the TV on, make sure you aim it at the IR sensor on the front of the TV).
- When the TV is in standby mode, the indicator light will illuminate red.

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**IMPORTANT:** Do not plug several devices into the same power outlet. Doing so may cause the outlet to overheat and create a risk of fire. Make sure the power outlet is easily accessible during operation.

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**IMPORTANT:** Make sure the power cord is in good working order before inserting it fully into the outlet. Do not use a damaged power cord or plug and do not try to insert the power cord into a loose outlet.

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## First Time Setup

1. When you turn on the TV for the first time (or you have reset the TV to its factory settings), the First Time Setup menu will pop up on the screen to assist you set up your TV, as illustrated below.
2. On the remote control, press the ▲/▼ buttons to select desired option and the ◀/▶ buttons to select desired setting. Press the **OK** button to go to the next step for Tuning Setup. Press **MENU** button to go to the previous step.



Language	Select your desired OSD language for on-screen display menu. Defaults as English.
Country	Select the country where you will operate the TV. Defaults as Australia.
Energy Mode	Home mode: Sets TV to power saving mode, which limits the amount of backlight from TV. Store mode: Sets TV to full performance but with higher power consumption.

# Getting Started (cont)

## Tuning Setup

Tune Type	Defaults as DTV + ATV. Select DTV (digital TV) to save tuning time. ATV (analogue TV) transmission is no longer available in Australia.
Digital Type	Defaults as DVB-T. Choose DVB-C for cable TV.
Scan Type	Only available in cable TV (DVB-C) mode.
Network ID	Only available when Scan Type: Network Scan is selected.
Frequency	Only available when Scan Type: Network Scan is selected.
Symbol Rate	Only available when Scan Type: Network Scan is selected.
Sorting by LCN	Logical Channel Numbers (LCN's) are used in Australia to identify broadcasters and services, some of which may not be present at all times.



3. Select Start by pressing the **OK** button to activate Auto Scan. After the scan has complete, the channels are then arranged in a preset order. If you wish to skip channels, modify the preset order or rename channels, select Programme Edit under the Channel menu (refer to page 26 for details). Press the **MENU** button to return to previous menu. Press the **EXIT** button to exit the menu.

# Basic Operations

## Selecting an Input Source

Press the INPUT button on the remote, or on the lower right side of the front panel on the TV, to display the input source list on the TV.

- Press the ▲/▼ buttons to select the desired input source and then press the **OK** button to confirm your selection.

**NOTE:** When you switch on the TV after a factory reset, you will need to go through the first time installation and auto-search for all the DTV programmes in your area.

DTV	Digital TV.
ATV	Analog TV.
AV	AV INPUT (COMPOSITE): Connect to basic A/V devices such as VCR, DVD or camcorder.
YPbPr	Y/Pb/Pr INPUT (COMPONENT): Supports both SD (Standard Definition) and HD (High Definition) picture quality.
PC	VGA input.
HDMI1	V2.0 (supports UHD resolution).
HDMI2	V2.0 (supports UHD resolution).
HDMI3	V1.4 (supports full HD 1080p resolution).
USB	2 x USB input.





# Basic Operations (cont)

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## Main Menu

- Press the **MENU** button to open the main menu.
- Press ▲/▼/◀/▶ buttons to highlight a menu option and press the **OK** button to enter the menu option.
- Press EXIT to exit the current menu.
- Press MENU to return to previous menu.



# Basic Operations (cont)

## Channel Settings

Select Channel and press the **OK** button to enter into Channel Settings menu (see page 24 for details on how to use the menu).



**NOTE:** If a lock or password protection has been applied to any of the channel settings options, unlock by keying in the correct password, otherwise the default password is 0000.

Antenna	Select DVB-T for digital TV tuner or DVB-C for cable TV.
Auto Tuning	Press the ◀/▶ buttons to select the desired country and mode, then move to START to start scanning.  <b>NOTE:</b> If ATV+DTV is selected, the first 50% of the scan will be for ATV tuning, the second half will be for DTV tuning. If required, the user has the option to exit the tuning process at any time by pressing the EXIT button.
ATV Manual Tuning	Allows you to make manual fine tuning adjustments if the channel reception is poor under ATV mode.  <b>NOTE:</b> ATV (Analogue TV) is no longer available in Australia.

## Basic Operations (cont)

DTV Manual Tuning	Allows you to make manual fine tuning adjustments if the channel reception is poor under DTV mode.
Programme Edit	<p>Allows you to delete unwanted channels and re-organise channels into your desired sequence. Programme Edit may be locked and password protected. To unlock, key in the correct password, otherwise the default password is 0000.</p> <p>Press the <b>OK</b> button to enter into Programme Edit settings.</p> <ul style="list-style-type: none"><li>• Delete: Press the red button to delete the channel selection.</li><li>• Skip: Press the blue button to skip the channel, it will then be displayed in the channel list but will be marked with "skip". Press the <b>OK</b> button to confirm the selection. When the <b>CH+/CH-</b> buttons are pressed, this channel will be skipped. The channel can only be selected by using the Number Keys.</li><li>• Swap: Press the yellow button and use <b>▲/▼</b> buttons to move the selected channels to a preferred location in the channel list and press the <b>OK</b> button to confirm the location.</li><li>• Favourites: Press the <b>FAV</b> button to add the selected channels to your favourites list. To open the on-screen favourites list, press the <b>FAV</b> button whilst not in the Programme Edit menu.</li></ul>
Schedule List	<p>Sets schedule for a programme reminder or programme recording. Press the yellow button to add a reminder or recording. Press the <b>▲/▼</b> buttons to scroll through the options and the <b>◀/▶</b> buttons to select the desired value.</p> <hr/> <p><b>NOTE:</b> To set the time of the reminder/recording press the <b>◀/▶</b> buttons to select between Hour, Minutes, Day of the month, Month. Press the <b>▲/▼</b> buttons to change the values. Press the <b>OK</b> button to confirm.</p> <hr/>
Recorded List	Displays recorded TV programmes.
Signal Information	Displays general information about the current signal being received from the antenna.

# Basic Operations (cont)

## Picture Settings

Picture Settings allows you to optimise the picture output quality of your TV. Select Picture and press the **OK** button to enter the Picture Settings menu (see page 25 for details on how to use the menu).

Picture Mode	Choose from Standard, Dynamic, Personal and Mild.
Contrast	Controls the difference between the brightest and darkest regions of the picture.
Brightness	Controls the overall brightness of the picture.
Colour	Controls the colour.
Tint	Controls the tint (NTSC mode only).
Sharpness	Increase the sharpness to see crisp edges in the picture; decrease it for soft edges.
Colour Temp	Choose from Warm, Cold and Normal.
Noise Reduction	Choose interference noise modes from Off, Low, Medium and High.
Screen	Press the ENTER button to select main menu to adjust the screen (only available in PC).
Dynamic CR	When Dynamic Contrast (Dynamic CR) is turned on, the TV automatically adjusts the brightness of the TV backlight in response to the image being projected. However, detail will be lost in the high intensity and white areas of the image, as well as in the dark areas of the image (ie. black crush). The best way to illustrate the variances is to view some test patterns with Dynamic Contrast on and then with it off.
Face Colour	Controls the Face colour of the picture.
MoCom	Motion Compensation (MoCom): Turn Motion compensation on to eliminate motion blur on-screen that is in motion, to provide extremely clear pictures and deliver outstanding image quality. Choose from On and Off.

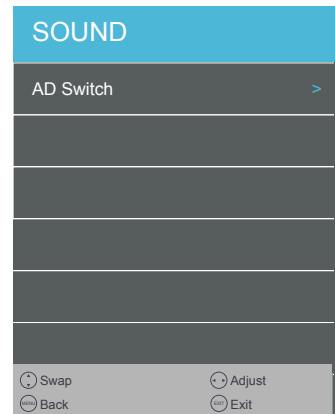
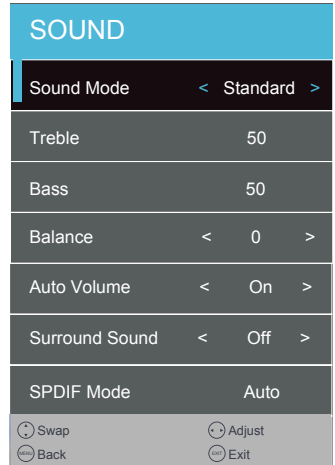


# Basic Operations (cont)

## Sound Settings

Sound Settings allows you to optimise the sound output quality of your TV. Select Sound and press the **OK** button to enter the Sound Settings menu (see page 25 for details on how to use the menu).

Sound Mode	Adjusts sound modes to match desired user preference: Standard, Movie, Music, Sports and Personal.
Treble	Adjusts the relative intensity of higher pitched sounds.
Bass	Adjusts the relative intensity of lower pitched sounds.
Balance	Adjusts the balance of the left and right speaker. You can also independently turn off the volume of the left or right speaker.
Auto Volume	Enables you to apply moderate sound control to avoid sudden volume increases when switching between broadcast channels or during commercials. When it is turned 'On', unexpected volume increases in the sound modulation are decreased.
Surround Sound	Choose from SRS TruSurround, TruSurround and Off.
SPDIF	Transmits digital audio to an external audio system. Choose from PCM or Auto.  PCM: PCM outputs two channel audio regardless of the input format. Auto: Selects the digital audio output format.
AD Switch	In Digital TV operation, you can adjust audio description (AD) settings and volume for the visual impaired.  Press the <b>OK</b> button to enter and then press <b>◀/▶</b> to select the AD Switch to be On or Off. When set to On, you can press <b>▲/▼</b> to select AD Switch and use <b>◀/▶</b> button to adjust the volume then push <b>EXIT</b> button.  <b>NOTE:</b> This option is only available on the programme which provides "AD" in the programme summary.



# Basic Operations (cont)

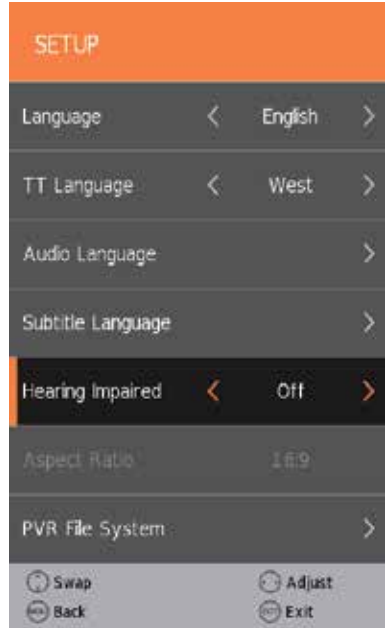
## Time Settings

Clock	Press the ▲/▼ buttons to select the clock menu, then press the enter button to set date and time.	
Time Zone	When you select a Time Zone city, the TV time is set by the time offset information based on Time Zone and GMT (Greenwich Mean Time) which is received by the broadcast signal and the time is automatically set based upon your time zone.	
Off Time	Set how often the TV automatically enters Standby mode by pressing the ◀/▶ buttons. Choose from Once, Everyday, Mon-Fri, Mon-Sat, Sat-Sun or Sun. Once the frequency has been selected press the ▲/▼ buttons to enter the time of day the TV will automatically enter into Standby Mode.	
On Time	Set how often the TV automatically turns on by pressing the ◀/▶ buttons. Choose from Once, Everyday, Mon-Fri, Mon-Sat, Sat-Sun or Sun. Once the frequency has been selected press the ▲/▼ buttons to enter the time of day the TV will automatically turn on.  Choose the source that the TV will automatically use as soon as it turns on. Choose from DTV, YPbPr, PC, HDMI1, HDMI2, HDMI3, AV or USB.	
Sleep Timer	Ensure the actual time is first set before using this mode. Press the ▲/▼/◀/▶ buttons to select a period of time after which the TV automatically switches to standby mode: 10min, 20min, 30min, 60min, 90min 120min, 180min, 240min or Off. The timer will countdown the number of minutes selected.  <b>NOTE:</b> If you turn the TV 'Off' after setting the sleep timer, the sleep timer setting will automatically erase.	
Auto Standby	The TV will automatically switch off into Standby mode after the allocated amount of time has passed without the remote control being used. Choose from 3H, 4H, 5H or Off. A reminder screen will pop up and countdown before the TV switches to standby mode. If you want to operate the TV for a long period of time, turn off auto standby function by selecting "Off" in the time settings mode.	
OSD Timer	Allows you to select how long the on-screen display (Menu) will stay on. Press ▲/▼ buttons to select the display time of the on-screen menu: 5S, 10S,15S, 20S, 25S, 30S or Never and then press the <b>ENTER</b> button to confirm. The on-screen display will automatically close/turn off after the preset time has elapsed without the remote control being used.	

# Basic Operations (cont)

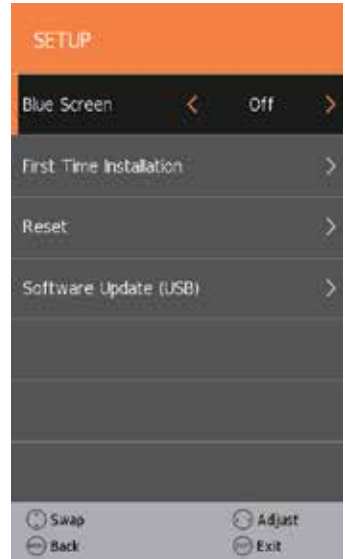
## Setup Settings

Language	Allows you to select your desired OSD language for on-screen display menu. Defaults as English.
TT Language	Teletext*. Choose from West, East, Russian, Arabic and Farsi.  *Teletext or Austext is no longer available, nor is there any plan for a replacement teletext service in Australia. For more information, please visit the websites of the Australian channel providers. However, one teletext option, "closed captions", is still working on most Australian television channels. This service allows you to activate subtitles while watching normal television programmes that provide it.
Audio Language	Can only be selected in DTV mode: Select your desired audio language. The availability of this function depends on the tuned-in channel.
Subtitle Language	Can only be selected in DTV mode: Allows you to select your desired audio languages. Press the ◀/▶ buttons to select the primary and secondary audio language. The availability of this function depends on the tuned-in channel. To turn on the subtitle display, please press subtitle button on the remote.
Hearing Impaired	Select On or Off to set Subtitle Language for hearing impaired mode.
Aspect Ratio	Choose from Auto, 4:3, 16:9, Zoom1 or Zoom2.
PVR File System	Allows you: To check the connected USB storage device in order to store PVR files.  To format your USB storage device: The PVR file system can set as FAT32 / FAT64. USB storage devices that are 32gb and below will usually be formatted in FAT32, those devices above 32gb should be using a FAT64 (exFAT) system. Please see page 37 for instructions on how to format your storage device and page 49 for further Trouble Shooting.  To set the folder size of timeshifting and PVR: Please check the instructions included with your storage device to determine what system your device is formatted in. After setting PVR file system size, you are able to start PVR.



# Basic Operations (cont)

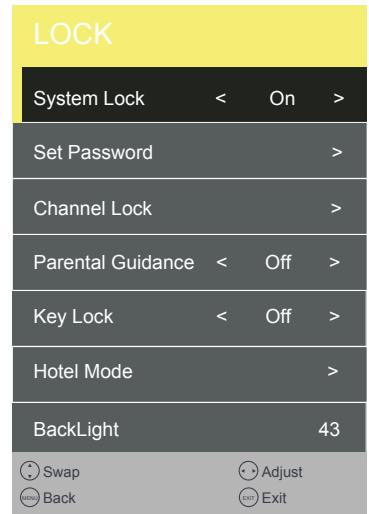
Blue Screen	Allows user to select whether or not the blue screen will come On during lack of signal instances.
First Time Installation	Allows user to enter into first time basic TV setup.
Reset	Restores all settings to the factory defaults.
Software Update (USB)	<p>Only to be used if a software update has to be installed.</p> <ol style="list-style-type: none"> <li>1. Download the software to the USB device, then insert the USB device to the unit.</li> <li>2. Press the menu button to select the Setup menu.</li> <li>3. Press the ◀/▶ buttons to select Software Update (USB) and then press the <b>ENTER</b> button to update software.</li> <li>4. When the update is completed, the unit will be reset to standby mode.</li> </ol>



## Lock Settings

Lock Settings prevents unauthorised users, such as children, from watching unsuitable programmes. The password must be entered to access the Lock Menu. The default password is 0000. Once inside the menu you can change the password to your own choice (see page 25 for details on how to use the menu).

System Lock	Enables or disables the system lock. After selecting ON, the settings under Channel Lock, "Parental Guidance" and "Hotel Mode" will be enabled and applied.
Set Password	If you had already changed the password, enter the current password.
Channel Lock	<p>Enter the password.</p> <p>You can use the Channel Lock to lock selected channels (the system lock must be set to 'On' for this function to operate). Press the ▲/▼ buttons to select the desired channel and then press the green button on the remote control to lock it. To unlock a previously locked channel, select the channel and press the green button. If a channel is locked, you must enter the password to view the channel.</p>





## Basic Operations (cont)

Channel Lock (cont)	<b>NOTE:</b> In order to view locked channels, you have to enter your password. Parental Guidance blocks programmes according to their parental level. This feature is available only for digital TV and the tuned-in channel must support it.
Parental Guidance	<p>Allows you to select the programme rating threshold to lock programmes and channels with age ratings. It operates according to the information from the broadcasting stations, therefore if the signal has incorrect information or no information at all, the function will not operate. Selections are:</p> <ul style="list-style-type: none"><li>• No Block</li><li>• Block All</li><li>• Block G</li><li>• Block PG</li><li>• Block M</li><li>• Block MA</li><li>• Block AV</li><li>• Block R</li></ul> <p><b>NOTE:</b> Once the Parental Guidance mode is turned 'On', you can set viewing restrictions for DTV TV reception only, but not input source from HDMI or component.</p> <p><b>NOTE:</b> The program rating threshold will block access to any programmes and channels with the selected rating lock or above (ie. 'Block MA' will lock all programmes with ratings MA, AV and R).</p>
Key Lock	Press the ▲/▼ buttons to select the "Key Lock" option and then press right button to choose between the options ON or OFF. After selecting ON, the front panel buttons INPUT, MENU, CH+, CH-, VOL+, VOL- of the device will be locked.
Hotel Mode	Opens the "Hotel Mode" menu.
Backlight	Controls the Backlight.

# Electronic Programme Guide (EPG)

Electronic Programme Guide (EPG) is supplied by the programme providers and offers information about the programmes to be broadcasted. You can access it in digital mode by pressing the EPG button on the remote control.

Press the EPG button to display the EPG interface (below). The area at the top will display information about the selected programme or channel and the column section below will display the list of available channels and their programmes at various time slots.

**NOTE:** Before you can view any EPG information, you have to 'activate' each channel for which you want to view programme information. To do this, press the ▲/▼ buttons to select a channel in the left column, then press **OK** button to confirm.

- Press the ◀/▶ buttons to switch between rows.
- Press the ▲/▼ buttons to select a different channel/programme in the list and press **OK** button to activate the channel.
- Press the yellow button to display the TV guide from the previous day; press the blue button to display the TV guide for the next day.
- Press the red button once to record right now; press twice to record daily; press 3 times to set to weekly recording.
- Press the green button to schedule a reminder for the selected programme.
- Press EXIT to exit the EPG menu.

The screenshot shows a TV guide interface with a green header '7 Day TV GUIDE'. The top section displays '15:35-15:40 01 Jan 2011' and 'News/Current Affairs' with a description: 'New Year Message 2011. In his annual New Year address, The Archbishop of Canterbury, Dr Rowan Williams, looks forward to the year ahead and the 400th anniversary year of the King James Bible. [S]'. Below this is a table of programmes for '01 Jan 2011'.

Channel	Time	Programme	Action
1 BBC ONE	14:30-15:20	Football Focus	Now
2 BBC TWO	15:20-15:30	BBC News	Next
3 BBC NEWS	15:30-15:35	BBC Newsline	
4 BBC Red Button	15:35-15:40	The Archbishop of Canterbury's...	
5 CBBC Channel	15:40-16:40	Doctor Who	
6 BBC THREE	16:40-18:00	Bee Movie	
	18:00-19:30	Wall-E	
	19:30-20:00	Final Score	

At the bottom, there are control buttons: Record (red), Remind (green), Prev Day (yellow), Next Day (blue), Move (grey), Details (white), and Exit (grey).

# Personal Video Recording (PVR)

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PVR (Personal Video Recorder) allows you to record your favourite TV programmes by using a USB storage device for saving the data. The timeshift function is integrated with the PVR function and enables you to pause, fast forward and rewind live TV, so you don't have to miss any part of your favourite programmes.

---

**IMPORTANT:** Before you can record programmes with this TV set (including timeshift recording), you must insert a formatted USB storage device into the USB port located on the back of the TV. If your USB storage device cannot be read by the TV, please see Trouble Shooting guide on page 50 for information on how to format your storage device.

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**NOTE:** USB storage devices are not included with your Signify® TV.

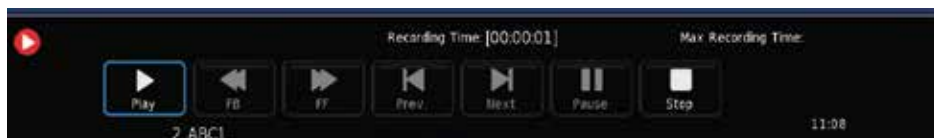
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## Recording a TV Programme

1. Insert your USB storage device into the USB port located on the back of the TV.
2. You can set up PVR manually or in EPG schedules. To start recording, follow the instructions below:

### Option 1: Manual Recording in DTV Mode

In DTV, press **REC** button, it will start to record the current DTV programme. To stop recording, press the **REC** button again to bring up operations dialogue window as below, then press the ◀/▶ buttons until Stop is highlighted and press the **OK** button. Press the ◀ button to confirm the stoppage of the recording.



### Option 2: Scheduled Recording in DTV mode

Refer to the instructions under Scheduled Record on page 39 to start scheduled recording by EPG schedule.

---

#### CAUTION:

- DO NOT remove the USB storage device while recording is in progress. This may damage the drive. The PVR function is only available for digital non-encrypted channels.
- Before you connect the USB storage device to the TV, make sure you have backed up the data in the drive to avoid the loss of your important data due to unforeseen malfunction.
- We recommend that you use a USB storage device with at least 1GB free space and a disk speed faster than 5.0MB/sec.
- The bigger the USB storage device free memory, the longer the recording length will be.
- If you want to change channel or signal source during recording, save and store the recording data first. Save the recording by pushing the ■ button.
- The TV cannot play files normally if the parameters of the file exceed the limitations of the system, the file format is not supported, the file is damaged, or the file cannot be decoded. Please see page 40 for Important Notes for Using PVR/USB/Media Function.

# Personal Video Recording (PVR) (cont)

- You cannot change to another channel or select another function while in recording mode.
- The file recorded can only be used in this TV. Do not copy it to any other device.

## Watching a Recorded Programme



Press the **INDEX** button to display the Recorded List. Use the **▲/▼** buttons to select a recorded file and press the **OK** button to start playback in full screen mode.

▶/	▶ Play /    Pause.
◀◀/▶▶	◀◀ Fast Backward / ▶▶ Fast Forward.  <b>NOTE:</b> There are 4 speeds to which the TV can fast backward/fast forward the playback file (x2, x4, x8, x16). To change speeds, press the ◀◀ or ▶▶ button until the required speed is acquired.
◀◀/▶▶	◀◀ Skip backward to previous file or ▶▶  skip forward to the next file.
■	Stop playback.
EXIT	Press once to hide the on-screen menu. Press twice to exit playback file.

# Personal Video Recording (PVR) (cont)

## Timeshifting in DTV Mode

The timeshift function allows you to pause the live TV signal, then resume playback at your convenience.

- Ensure that a formatted USB storage device has been inserted to the TV USB port.
- When watching a programme in DTV mode, press the ►/|| button to initiate the timeshifting function and pause the TV programme.
- Press ►/|| again to resume playback.
- The operations tool bar will appear on the screen. Use the ◀/▶ buttons and press **OK** button to select a function.

	Pause timeshift.
◀◀/▶▶	◀◀ Fast Backward / ▶▶ Fast Forward.  <b>NOTE:</b> There are 4 speeds to which the TV can fast backward/fast forward the playback file (x2, x4, x8, x16). To change speeds, press the ◀◀ or ▶▶ button until the required speed is acquired.
◀/▶	◀ Skip play backwards in 30 seconds intervals or ▶  Skip play forwards in 30 seconds intervals.
■	Stop and exist timeshift. While you are recording, you can pause, fast forward or rewind the live TV programme.



**NOTE:** The USB storage device will not retain recorded data after exiting the timeshift function.

# Personal Video Recording (PVR) (cont)

## PVR File System

PVR File System allows you to manage your USB storage device and set up timeshift size and PVR limit. To enter PVR File System press MENU> SETUP> PVR FILE SYSTEM.

Select Disk	Select the ports connected to your USB storage device indicated as C or D. If 1 or 2 is indicated, there is nothing connected to the port.
Check PVR File System	Select Start to check the PVR File on the USB storage device. The display will show that the whole storage device space will be used for Timeshift recording and PVR.
Format	To format the USB storage device, select PVR File system type: FAT32 or Hi Speed (FAT64).  <b>NOTE:</b> If Hi Speed (FAT64) is selected, you will need to allocate the PVR File System Size by pressing ◀/▶ buttons to select the storage amount you wish to allocate or choose All, then press <b>OK</b> button.
Timeshift Size	Set timeshift file size by pressing ◀/▶ to choose 0GB, 512MB to 1GB.



**WARNING:** Ensure that no valuable information is currently stored on the USB storage device. Formatting the device may mean all DATA will be ERASED from the memory drive connected to the USB/HDD port. Signify® does not take responsibility for any lost data.

**NOTE:** After the USB storage device is formatted into FAT32 or Hi Speed file system, Timeshift size cannot be altered unless you perform re-formatting. Scheduled and Manual Recording will still take priority on disk if there is not enough space on the disk.

# Personal Video Recording (PVR) (cont)

## Scheduled Recording



- Press EPG to start the Electronic Programme Guide (see page 34 for further instructions on using the EPG function).
- Use ◀/▶ to move between channel rows and programme rows. Press the yellow button to display the TV guide from the previous day; press the blue button to display the TV guide for the next day. Then select the desired programme, press the red button once to record right now; press twice to daily record; press 3 times to set to weekly record.
- Press Exit to exit the EPG menu.
- Press Index to see recorded programmes.
- Start Time date: If you want to schedule the recording based upon a specific date, press the **OK** button to open the calendar and set the start date (YYYY-MM-DD). Press the ▼ button to key in the start time (hours/minutes) using the number buttons on the remote control.
- End Time date: Press the **OK** button to open the calendar and set the end date (YYYY-MM-DD). Press the ▼ button to key in the end time (hours/minutes) using the number buttons on the remote control.
- Save the setting and return to the previous menu.

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**NOTE:** PVR/T-shift doesn't support NTFS formatted USB storage devices. PVR doesn't support encryption programme recordings.

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**NOTE:** If channel locks or parental control locks are enabled, the locked programmes and channels can be recorded, viewed and played back on this TV using password access. Key in your current password when the password prompt pops up.

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**NOTE:** While recording is in progress for a locked channel, you will still need to key in the password to watch that channel. This does not interrupt the recording process.

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# Important Notes for Using PVR/USB/Media Function

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**NOTE:** The USB storage device will not retain recorded data after exiting the timeshift function.

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- We strongly recommend you back up all data in the USB storage device to another storage device so you do not risk losing any data in case of an unexpected device failure or accident. Signify® does not assume liability for any loss of data due to misuse or malfunction. Data backup is your personal responsibility.
- You cannot change to another channel or select another function while in recording mode.
- If the signal is interrupted or removed while in recording mode, the recording will stop until the signal is established. This may cause you to lose programme content.
- The file recorded can only be used in this TV. Do not copy it to any other device.
- When you are in timeshift recording mode, you may experience some difficulty with a scheduled recording at different times. If you see the message 'DISK NOT READY' displayed, remove the device, re-insert it and proceed with your recording.
- For large file sizes and large capacity USB storage devices, the loading speed may be longer. The recognition speed of a USB storage device may vary depending on the device.
- When connecting or disconnecting the USB storage device, ensure the TV is not in USB mode, otherwise the USB device or the files stored in it may be damaged.
- Ensure any USB storage devices connected to the TV do not use/exceed 500mA power rating. In order to operate a desktop-type of hard drive with the TV, you will need to use a compatible power adaptor.
- Ensure the format of the photos, movies and text files are within the supported formats of the TV; should files be converted from a different format, ensure the format has been converted properly and not corrupted in anyway, check with the software developer for best options. If an "Unsupported File" message is displayed, the file format or codec is unsupported or corrupted.
- If you have limited access to the back of the TV, please use a high quality USB extension cord (not included) for easy access of the USB port.
- CD/DVD drives and other devices connected via USB cannot be used.
- Do not use a device that has security functions or other special functions.
- Do not use a device that is divided into two or more partitions.
- A USB hub cannot be used to connect USB devices to this unit.
- If the file information contains Japanese, Chinese or other double-byte characters, playback is possible but the name will not be shown correctly.
- The TV USB playback can only support audio formats of single and binary channels.

**IMPORTANT:** If your USB storage device cannot be read by the TV, please see page 38 for instructions on how to format your storage device and page 51 for further Trouble Shooting.

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# Connecting to a PC

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## Connecting the Computer to the TV

Be sure both the TV and PC are set to the OFF position.

1. Connect a VGA and audio cable to the VGA input on the back of the TV.
2. Connect the TV power cord to an appropriate power outlet and turn the power on.
3. Turn the TV on from standby mode and press the **INPUT** button on the remote control to select PC mode.

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**NOTE:** You may need to select the appropriate setting on your PC to project the image and sound from the PC to the TV. Please refer to the PC instruction manual for the required setting that needs to be selected.

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4. Turn on the PC.

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**NOTE:** This connection and power-up sequence is very important as it will ensure both devices are protected from power spikes.

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**NOTE:** A HDMI cable (not included) can also be used to connect your PC to the TV as long as the PC is fitted with a HDMI output. Both sound and picture will be generated through the HDMI cable.

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## PC Display Setting

1. Press the ▲/▼ buttons to select a desired option to optimise the display setting.
2. Press the **OK** button to adjust the display settings.
3. After adjusting the settings, press the **OK** button to confirm and return to the previous menu.

## Auto Adjust

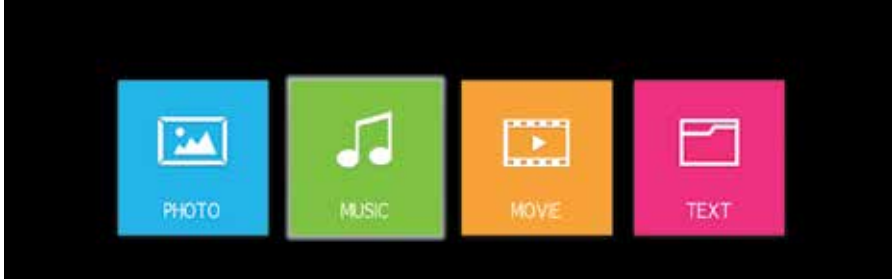
Sets automatic settings based upon the selection of H Position, V Position, Phase or Clock.

# Basic Operations

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## Media Centre Menu

The Media Centre allows you to play pictures, music, movie and text files on TV via a portable USB storage device.



Insert a formatted USB storage device (with a standard USB connector) into the USB port in the back of the TV. If your USB storage device cannot be read by the TV, please see Trouble Shooting guide on page 51 for information on how to format your storage device. There are two ways to start the Media Centre:

1. Press the INPUT button on the remote control or on the right side of the TV to display the Source menu, press the ▲/▼ buttons to select the USB source, then press the **OK** button to confirm (to exit Media Centre press the **INPUT** button to return to other sources).

---

**NOTE:** To play any file in the PVR Folder, please press the Index button to view the list of recorded programmes.

---

## Playable File Format

Photo: .jpg, .jpeg

Music: .mp3, .aac, .wav

Video: .avi, .mpeg, .mpeg4, .mkv, .flv, .rmvb, .vc-1

Text: .txt

For details, please see Media Specifications on page 57

## Media Content Control Buttons

Press the ◀/▶ buttons to highlight the desired multimedia type menu. Choose from PHOTO, MUSIC, MOVIE or TEXT. Confirm selection by pressing the **OK** button. Press the **EXIT** button to exit the media centre.

# Basic Operations (cont)

## Photos

1. Once in the PHOTO menu, highlight the desired USB storage device by using the ◀/▶ buttons and then pressing the **OK** button to enter.

---

**NOTE:** If only one USB storage device is inserted into the TV, the on-screen display name at this stage will be "C". If two USB storage devices are inserted into the TV, the on-screen display names will be "C" and "D".

---







2. Once in the appropriate folder, highlight the desired photo file by using the ◀/▶ buttons and then press the ▶/■ button to start a slide show.

---

**NOTE:** The TV will play all photo files within the folder, unless specific files are pre-selected. To pre-select specific photos, highlight them by using the ◀/▶ buttons and then press the **OK** button to finalise selection. A red tick appears in the bottom right corner of the file's thumbnail indicating selection for the slide show. Press the ▶/■ button to start a slide show.








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3. Navigate through the below on-screen buttons by pressing the ◀/▶ buttons on the remote and then pressing the **OK** button to activate the corresponding function.

	Play/Pause the slideshow. This function can also be activated by pressing the ▶/■ button on the remote.
	Skip to the previous photo. This function can also be activated by pressing the ◀◀ button on the remote.
	Skip to the next photo. This function can also be activated by pressing the ▶▶ button on the remote.
	Stop/Exit the slide show. This function can also be activated by pressing the ■ button on the remote.
	Repeat ALL: Continuously plays the slide show, repeating all files until manually stopped.  Repeat None: Plays the slide show, only showing each file once. Once the last file has been played, the TV will automatically Stop/Exit the slide show.  Repeat 1: Continuously plays the same file over until the slide show is manually stopped, or the function is changed to Repeat ALL or Repeat None.  This function can also be activated by pressing the yellow button on the remote.
	Play music files whilst viewing the photo. <hr/> <b>NOTE:</b> The TV will only play music files that are loaded within the same folder as the on-screen photo.

# Basic Operations (cont)

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	Displays all the current files currently selected for playback within the slide show.
	Displays general information on the file to which is currently on-screen including: Name, Resolution, Size, Date and Time. <hr/> <b>NOTE:</b> Date and time refers to when the file was loaded onto the USB disk/ mobile hard disk. <hr/>
	Rotate the image 90° clockwise. <hr/> <b>NOTE:</b> You can rotate a photo when the slide show is paused. <hr/>
	Rotate the image 90° anti-clockwise. <hr/> <b>NOTE:</b> You can rotate a photo when the slide show is paused. <hr/>
	Zoom in up to 3 different sizes: 2x, 4x or 8x.
	Zoom out up to 2 different sizes: 1/2x, 1/4x.
	Navigate/move the point of view by pressing the ▲/▼/◀/▶ buttons on the remote. Press the <b>OK</b> button again to exit the Move View function. <hr/> <b>NOTE:</b> This function will only activate when zoomed in. <hr/>

# Basic Operations (cont)

## Music









Once in the MUSIC menu, highlight the desired USB storage device by using the ◀/▶ buttons and then pressing the **OK** button to enter.

**NOTE:** If only one USB storage device is inserted into the TV, the device's on- screen display name will be "C". If two USB storage devices are inserted into the TV, the on-screen display names will be "C" and "D".

1. Once in the appropriate folder, highlight the desired audio file by using the ◀/▶ buttons and then press the ▶/|| to begin a playlist.




**NOTE:** The TV will play all audio files within the folder, unless specific files are pre-selected. To pre-select specific photos, highlight them by using the ◀/▶ buttons and then press the **OK** button on the remote to finalise selection. A red tick appears in the bottom right corner of the audio file's thumbnail indicating selection for the playlist. Press the ▶/|| button to start a slide show.

2. Navigate through the below on-screen by pressing the ◀/▶ buttons on the remote and then pressing the **OK** button to activate the corresponding function.

	Play/Pause the audio file. This function can also be activated by pressing the ▶/   button on the remote.
	Rewind the current audio file by up to 4 speeds: 2x, 4x, 8x, 16x. This function can also be activated by pressing the ◀◀ button on the remote.
	Fast forward the current audio file by up to 4 speeds: 2x, 4x, 8x, 16x. This function can also be activated by pressing the ▶▶ button on the remote.
	Skip to the previous audio file. This function can also be activated by pressing the ◀◀ button on the remote.
	Skip to the next audio file. This function can also be activated by pressing the ▶▶ button on the remote.
	Stop/Exit the playlist. This function can also be activated by pressing the ■ button on the remote.
	Repeat ALL: Continuously plays the playlist, repeating all audio files until manually stopped.
	Repeat None: Plays the playlist only once. After the last audio file has been played, the TV will automatically Stop/Exit the playlist.
	Repeat 1: Continuously plays the same audio file over until the playlist is manually stopped, or the function is changed to Repeat ALL or Repeat None.
	This function can also be activated by pressing the yellow button on the remote.
	Mute the audio file. This function can also be activated by pressing the <b>MUTE</b> button on the remote.

# Basic Operations (cont)

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	Playlist: Displays all audio files currently selected within the playlist.
	Info: Displays general information on the audio file to which is currently playing including: Album, Title, Bit Rate, Artist, Sampling, Year and Size.
	Goto Time: Using the ◀/▶ buttons and numerical keypad on the remote, navigate through the on-screen display to input the desired time to skip to.
<hr/> <b>NOTE:</b> Invalid Operation will show on-screen if the input time exceeds the length of the audio file. <hr/>	

# Basic Operations (cont)

## Movie









Once in the MOVIE menu, highlight the desired USB storage device by using the ◀/▶ buttons and then pressing the **OK** button to enter.

**NOTE:** If only one USB storage device is inserted into the TV, the device's on-screen display name will be "C". If two USB storage devices are inserted into the TV, the on-screen display names will be "C" and "D".












1. Once in the appropriate folder, highlight the desired video file by using the ◀/▶ buttons and then press the ▶/|| to begin a playlist.

**NOTE:** The TV will play all video files within the folder, unless specific files are pre-selected. To pre-select specific videos, highlight them by using the ◀/▶ buttons and then press the **OK** button on the remote to finalise selection. A red tick appears in the bottom right corner of the audio file's thumbnail indicating selection for the playlist. Press the ▶/|| button to start a slide show.

2. Navigate through the below on-screen buttons by pressing the ◀/▶ buttons on the remote and then pressing the **OK** button to activate the corresponding function.

	Play/Pause the video file. This function can also be activated by pressing the ▶/   button on the remote.
	Rewind the current video file by up to 5 speeds: 2x, 4x, 8x, 16x, 32x. This function can also be activated by pressing the ◀◀ button on the remote.
	Fast forward the current audio file by up to 5 speeds: 2x, 4x, 8x, 16x, 32x. This function can also be activated by pressing the ▶▶ button on the remote.
	Skip to the previous video file. This function can also be activated by pressing the ◀◀ button on the remote.
	Skip to the next video file. This function can also be activated by pressing the ▶▶ button on the remote.
	Stop/Exit the playlist. This function can also be activated by pressing the ■ button on the remote.
	Change the style/language of the on-screen subtitles. <b>NOTE:</b> This function is only available when subtitles are turned on.
	Repeat ALL: Continuously plays the playlist, repeating all video files until manually stopped. Repeat None: Plays the playlist only once. After the last video file has been played, the TV will automatically Stop/Exit the playlist. Repeat 1: Continuously plays the same video file over until the playlist is manually stopped, or the function is changed to Repeat ALL or Repeat None. This function can also be activated by pressing the yellow button on the remote.

# Basic Operations (cont)

	<ol style="list-style-type: none"> <li>1. Press the REPEAT A-B button at the point where you want repeat play to start (A).</li> <li>2. Press the REPEAT A-B button at the point where you want repeat play to stop (B).</li> <li>3. To return to normal play, press the REPEAT A-B button until the on-screen message displays  None.</li> </ol>
	Displays all video files currently selected within the playlist.
	<p>Displays general information on the video file to which is currently playing including: Resolution, Audio Track, Subtitle, Programme and Size.</p> <hr/> <p><b>NOTE:</b> This function is only available if the subtitles have been formatted to accept certain styles/ languages. Subtitles may not always be available. Check with the manufacturer if the desired video file includes subtitles.</p> <hr/>
	Slow down the current audio file by up to 4 speeds: 2x, 4x, 8x, 16x.
	Manually control the frame-by-frame playback. Every time the <b>OK</b> button is pressed, the video file will step forward by 1 frame.
	<p>Using the ◀/▶ buttons and numerical keypad on the remote, navigate through the on-screen display to input the desired time to skip to.</p> <hr/> <p><b>NOTE:</b> Invalid Operation will show on-screen if the inputted time exceeds the length of the video file.</p> <hr/>
	Zoom in up to 3 different sizes: 2x, 4x or 8x.
	Zoom out up to 2 different sizes: 1/2x, 1/4x.
	Modify the aspect ratio being viewed on-screen: 16:9, 4:3 or Auto.
	<p>Navigate/move the point of view by pressing the arrow buttons on the remote. Press the <b>OK</b> button again to exit the Move View function.</p> <hr/> <p><b>NOTE:</b> This function will only activate when zoomed in.</p> <hr/>



# Basic Operations (cont)

## Text

1. Once in the TEXT menu, highlight the desired USB storage device by using the ◀/▶ buttons and then pressing the **OK** button to enter.

---

**NOTE:** If only one USB storage device is inserted into the TV, the device's on- screen display name will be "C". If two USB storage devices are inserted into the TV, the on-screen display names will be "C" and "D".










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2. Once in the appropriate folder, highlight the desired text file by using the ◀/▶ buttons and then press the ▶▶| to begin the playlist.

---

**NOTE:** The TV will play all compatible text files within the folder, unless specific files are pre-selected. To pre-select specific text files, highlight them by using the ◀/▶ buttons and then press the **OK** button on the remote to finalise selection. A red tick appears in the bottom right corner of the audio file's thumbnail indicating selection for the playlist. Press the ▶|| button to start a slide show. Navigate through the below on-screen buttons by pressing the ◀/▶ buttons on the remote and then pressing the **OK** button to activate the corresponding function.

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	Skip to the previous page. This function can also be activated by pressing the ▶▶ button on the remote.
	Skip to the next page. This function can also be activated by pressing the ▶▶▶ button on the remote.
	Skip to the previous text file. This function can also be activated by pressing the  ◀◀ button on the remote.
	Skip to the next text file. This function can also be activated by pressing the ▶▶  button on the remote.
	Stop/Exit the playlist. This function can also be activated by pressing the ■ button on the remote.
	Change the style/language of the on-screen text. <hr/> <b>NOTE:</b> This function is only available if the text file has been formatted to accept certain styles/languages. <hr/>
	Play music files whilst viewing the text file. <hr/> <b>NOTE:</b> The TV will only play music files that are loaded within the same folder as the on-screen text file. <hr/>
	Displays all text files currently selected within the playlist.
	Displays the size of the text file to which is currently on-screen.

# Trouble Shooting

Problem	Solution
No power	<ul style="list-style-type: none"><li>• Insert the power plug securely into the power outlet and ensure the power outlet is switched on.</li></ul>
No picture	<ul style="list-style-type: none"><li>• Ensure that the equipment is connected properly. Adjust the indoor antenna or use an external antenna.</li><li>• Move the TV set away from any product that causes interference.</li><li>• Check antenna position, direction and connection. Auto-tune the unit again.</li><li>• Try another channel.</li></ul>
No sound or distorted sound	<ul style="list-style-type: none"><li>• Ensure that the equipment is connected properly.</li><li>• Ensure that the input setting for the TV is correct.</li><li>• Ensure the audio settings are properly set.</li><li>• Ensure the volume is not muted. If it is, press the <b>MUTE</b> button on the remote control to restore the sound.</li><li>• Check antenna position, direction and connection.</li><li>• If earphones are connected, unplug them.</li><li>• Adjust the volume to a suitable level by pressing the <b>VOL+/VOL-</b> button.</li></ul>
No operations can be performed with the remote control unit	<ul style="list-style-type: none"><li>• Check the batteries are correctly installed.</li><li>• The batteries may be exhausted: replace them.</li><li>• Make sure to point the remote control at the remote control sensor and try it again.</li><li>• Make sure to use the remote control at a distance of no more than 6m from the sensor.</li><li>• Remove any obstacles between the remote control and remote control sensor.</li><li>• Confirm that TV still has power and is operational.</li><li>• Operate the remote control within suggested range see page 20.</li></ul>

## Trouble Shooting (cont)

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No key operation (by the main unit and/or the remote control) is effective	<ul style="list-style-type: none"><li>• Disconnect the power plug and then reconnect it (the unit may not be operating properly due to lightning, static electricity or some other factors).</li></ul>
Picture contains noise	<ul style="list-style-type: none"><li>• Electronic equipment near the unit such as an appliance or electric tool, may be causing interference. Relocate the unit or move the equipment.</li><li>• Check antenna position, direction and connection.</li></ul>
Horizontal/vertical stripe on picture or picture is shaking	<ul style="list-style-type: none"><li>• Check the indoor antenna position, direction and connection.</li></ul>
Can't play the USB device	<ul style="list-style-type: none"><li>• Please refer to page 40 for Important notes for Using PVR/USB/Media Function. If the problem cannot be solved, the USB storage device may not be formatted correctly. To format the USB storage device, on the remote control, press MENU&gt; SETUP&gt; PVR FILE SYSTEM&gt; SELECT DISK (select USB Storage Device)&gt; FORMAT (select FAT32/Hi Speed) then press the OK button to format the storage device. The popup will request permission to format your device, select push ◀ button to start formatting.</li></ul>

# Important Information about Ultra High Definition 4K TV

The Signify® 4K Ultra HD LED LCD TV requires Ultra HD content and additional Ultra High Definition enabled devices (sold separately) in order to experience the Ultra HD resolution (3840 x 2160) effect. At this stage, TV programming in Australia is not available in Ultra HD, and the Ultra HD resolution effect can therefore only be experienced in HDMI source not via USB port. However, not all Blu-ray Disc players, media players, TV boxes, video cameras, cameras, game consoles, computers can output 4K signal. To see if your unit can output 4K signal, check the specifications of the product or contact the manufacturer for details.

	4K Photo					
	4K Output		Connection		Device	Content
	Native Resolution	Up-Conversion	HDMI	USB		
<b>Computer</b>	No	No	No	No	No	No
<b>4K Blu-ray Disc Player</b>	No	No	No	No	No	No
<b>Digital Still Camera</b>	Yes	No	No	No	Yes	Yes
<b>4K Video Camera</b>	No	No	No	No	No	No
<b>4K Media Player/ TV Box</b>	Yes	No	Yes	No	Yes	Yes
<b>4K Game Console</b>	Yes	No	Yes	No	Yes	Yes

	4K Movie					
	4K Output		Connection		Device	Content
	Native Resolution	Up-Conversion	HDMI	USB		
<b>Computer</b>	Yes	No	Yes	No	Yes	Yes
<b>4K Blu-ray Disc Player</b>	No	Yes	Yes	No	Yes	Yes
<b>Digital Still Camera</b>	Yes	No	No	No	No	No
<b>4K Video Camera</b>	No	No	No	No	No	No
<b>4K Media Player/ TV Box</b>	Yes	No	Yes	No	Yes	Yes
<b>4K Game Console</b>	Yes	No	Yes	No	Yes	Yes

# Important Information about UltraHigh Definition 4K TV (cont)

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## NOTES:

4K files can not be played via USB ports. For detailed media file compatibility for USB port please see page 57.

For HDMI connection, use a cable that corresponds to HDMI1.4a+. HDMI1 and HDMI2 ports support Ultra HD players or devices.

Some MKV movie files with audio codec DTS are not supported. Please convert DTS to AAC audio codec.

Although the YouTube service supports 4K resolution, because the content is posted by YouTube users, there is no guarantee that the video was created in 4K or is up-converted to 4K resolution.

Refer to the supplied instruction manual from each of the devices being used for additional 4K support and playback information.

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## Ways to obtain 4K content:

1. Watch on a 4K Blu-ray player.
2. Stream via HDMI by 4K compatible PC, TV box/media player and game console. At the moment, Netflix is the only streaming service in Australia to offer 4K content. You'll also need a decent internet connection speed with a minimum speed of 25Mbps. Netflix recommends to stream 4K content on the NBN connection.
3. Watch on Youtube via HDMI by 4K compatible PC, TV box/media player and game console. Please be aware that YouTube uses a different codec so some movies may not be supported by your PC, TV box or media player.
4. Make your own via 4K camcorder or action cameras and play back via HDMI ports.

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**Note:** Please ensure you use HDMI cable which is 4K compatible.

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# Customer Support

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Thank you for purchasing a Signify® product.

Should you encounter any problem, before returning the product to the store, please read USER MANUAL carefully, check our online Q&A's or contact us directly. Our friendly technical support team will be happy to assist you. In the event that the product has technical issue and is unrepairable, we will provide you a Return Authorisation Number if the faulty product needs to be returned to store.

## Customer Support Team

1300 777 137

Hours of Operation: 9am – 4:30pm\* Monday – Friday  
9am – 3pm Saturday

\* Hours of Operation are Australian Eastern Standard Time.

[service@signifyelectronics.com.au](mailto:service@signifyelectronics.com.au)

[www.signifyelectronics.com.au](http://www.signifyelectronics.com.au)

ITEM CODE: EA0815

# Product Specifications

Item	EA0815
Model	PU-5516UHD
<b>DISPLAY</b>	
Screen Diagonal	55" (139 cm)
Aspect Ratio	16:9
Resolution	3840*2160
Luminance	200cd/m <sup>2</sup>
Contrast Ratio	3800:1
Refresh Rate	120 Hz
Response Time	8ms
Viewing Angle	178H/178V
<b>PICTURE QUALITY</b>	
Display Format	480i, 480p,576i, 576p, 720p, 1080i, 1080p, 2160i, 2160p
3D De-interface	Yes
3D Com Filter	Yes
<b>FEATURES</b>	
OSD Language	English, French, German, Italian, Spanish, Portuguese (optional)
Picture size	16:9/4:3
PVR	YES
HDMI	2.0 and 1.4
OTHER	EPG, Subtitle, LCN,TELETEXT (Europe), MHEG-5(UK)
TV Input	ATV/DVB-T/DVB-C
Video System	ATV: PAL, SECAM DTV: MPEG-2 MP@ML, MPEG-2 MP@HL, H.264
Sound System	ATV: BG, DK, I, L/L', NICAM/A2 DTV: MPEG-1 layer 1/2, DD, DD+, AAC, HE-AAC
Built in Tuner	Yes
Input/Output Terminal	Earphone out x1, PC Audio x1, VGA x1, RF x1, YPbPr in x1, AV in x1, Coax out x1, HDMI x3, USB x2.

# Product Specifications (cont)

<b>AUDIO</b>	
Audio Output	10W x 2
Stereo	Yes
<b>POWER</b>	
Working Power consumption	< 120W
AC Power Supply	AC 100-240V, 50/60Hz
<b>ACCESSORIES</b>	
Remote Control	Yes
User Manual	Yes
Batteries for Remote Control	Yes



# Media Specifications

		Codec		Remark
Media	File Ext.	Video	Audio	
Movie	.avi	MJPEG	MP3/WMA/AAC/PCM (AC3 not compatible)	The maximum resolution and frame rate 1280 x 720 @ 30fps; Max data rate: 20Mbps
		Xvid, MPEG-4, H.264, WMV9/VC-1		The maximum resolution and frame rate 1080p @ 30fps; Max data rate: 20Mbps
	.mp4	MPEG-2, MPEG-4, H.264, Xvid, MJPEG	MP3/AAC/PCM (AC3 not compatible)	
	.ts .trp	MPEG-1, MPEG-2, H.264, VC-1	MP1/MP2/MP3, AAC (AC3 not compatible)	
	.mpg .mpeg	MPEG-1, MPEG-2	MP1/MP2/MP3, AAC (AC3 not compatible)	
	.mkv	MPEG-2/4, H.264, Xvid, RV30, RV40, VC-1	MP3/AAC/PCM (AC3 not compatible)	
	.mov	MPEG-4, H.264, MJPEG	MP3/AAC/PCM/AMRNB (AC3 not compatible)	
	.dat	MPEG-1	MP1	
	.vob	MPEG-2	MP1/MP2/MP3, PCM (AC3 not compatible)	The maximum resolution and frame rate 1080p @ 30fps; Max data rate: 20Mbps
	.rm .rmvb	RV30 RV40	AAC, COOK	The maximum and frame rate 800 x 600 800 x 600(RV30)/ 1280 x 720(RV40)
Photo	.jpg	Progressive DCT	N/a	Max resolution: 800 x 600 (RV30)/ 1280 x 720 (RV40)
	.jpeg	Baseline DCT	N/a	Max resolution: 1920 x 1080
	.bmp	N/a	N/a	Max resolution: 7680 x 4320
	.png	N/a	N/a	Max resolution: 1920 x 1080 Pixel Depth: 8/24/32 bit

# Media Specifications (cont)

		Codec		Remark
Media	File Ext.	Video	Audio	
Music	.mp3	N/a	MP3	Max resolution: 1920 x 1080
	.wmv	N/a	PCM	Sample Rate: 32K-48KHz; Bit Rate: 32K-320Kbps; Channel: Mono/Stereo
	.mp4 .aac .m4a	N/a	AAC	Sample Rate: 8K-48KHz; Bit Rate: 24K-384Kbps; Channel: Mono/Stereo
Text	.txt	ANSI UNICODE GB UTF8		File Size: Max 10MB