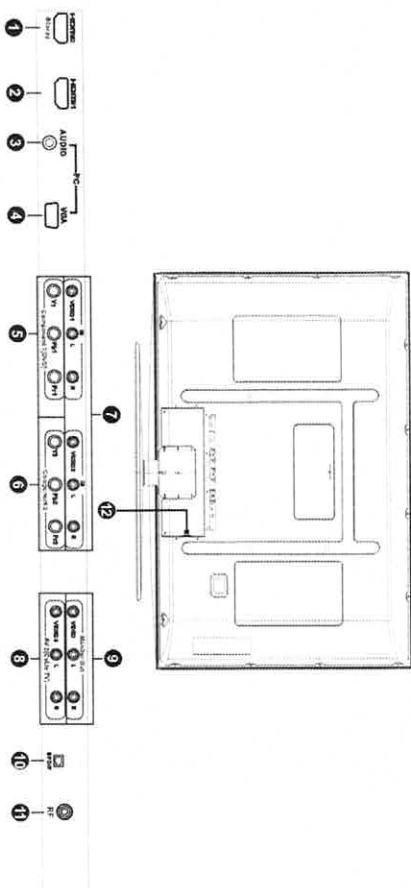


Rear Panel

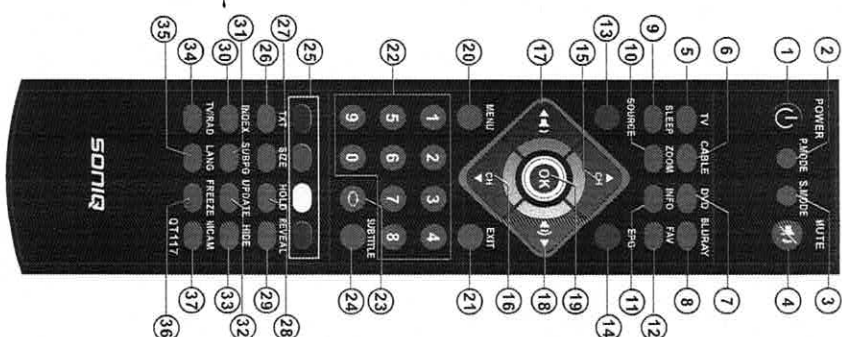


No.	Name	Description
1	HDMI2	High Definition Multimedia Interface for digital video and audio connection to HDMI enabled devices. Connect to Blu-ray device to utilise quick select buttons on remote controls.
2	HDMI1	High Definition Multimedia Interface for digital video and audio connection to HDMI enabled devices.
3	PC AUDIO	Connect PC audio output of your personal computer.
4	VGA	Connect the PC VGA signal output of your personal computer.
5	YPbPr 1 Component 1 (DVD)	Connect the component video output of your AV devices here. Note: audio connections are shared with AV1 input and may not be used together.
6	YPbPr 2 Component 2	Connect the component video output of your AV devices here.
7	VIDEO 1 VIDEO 2	Connect composite Audio and Video output of your AV device.
8	VIDEO 3 AV 3 (Cable TV)	Composite video and left / right audio input. Connect to cable TV receiver to utilise quick select button on remote controls.
9	VIDEO Monitor Out	Video and audio (left / right) output.
10	SPIDF	Optical digital audio output for connection to home theatre audio amplifier. Use SPDIF optical fibre cable (not included)
11	RF	Connect to antenna or to wall plate antenna connection.
12	AC IN	Connect to the power cord.

Remote Control

Remote Control Key Functions

- POWER**
Turn the TV on or place into Standby mode.
- P.MODE**
Press repeatedly to toggle between different picture modes.
- S.MODE**
Press repeatedly to toggle between different sound modes.
- MUTE**
Mute the audio. Press again to un-mute.
- TV-Quick Select**
Press to switch direct to digital TV source.
- CABLE-Quick Select**
Press to switch direct to AV3(Cable TV) input source.
- DVD-Quick Select**
Press to switch direct to Component 1 (DVD) input source.
- BLURAY-Quick Select**
Press to switch direct to HDMI 2 (Blu-ray) input source.
- SLEEP**
Set the sleep timer. Press repeatedly to adjust timer set time has elapsed.
- ZOOM**
Adjust the picture aspect ratio. Press repeatedly to toggle between options.
- INFO**
Display current channel and program information (Digital TV mode). Press again to close.
- FAV**
Display favourite channels list.
- SOURCE**
Open the source menu to select input. Use arrow keys or press source repeatedly to select desired source.
- EPG**
Open the Electronic Program Guide.
- CH-CHANNEL UP**
Switch to next channel in TV modes. Move cursor UP in menus.
- CH-CHANNEL DOWN**
Switch to previous channel in TV modes. Move cursor DOWN in menus.
- VOLUME DECREASE**
Decrease volume in TV modes. Move cursor LEFT in menus.
- VOLUME INCREASE**
Increase volume in TV modes. Move cursor RIGHT in menus.
- OK / CHANNEL LIST**
Open channel list in TV modes. OK / Select in menus.
- MENU**
Open the main menu.
- EXIT**
Close the current menu or on screen display.
- NUMBERS**
Use to select channel by number.
- RECALL**
Switch between current and previously viewed channels. Press repeatedly to toggle between the two channels.
- SUBTITLE**
Display subtitles in Digital TV mode.



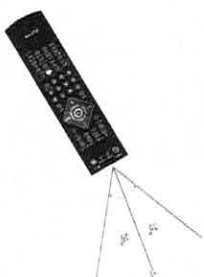
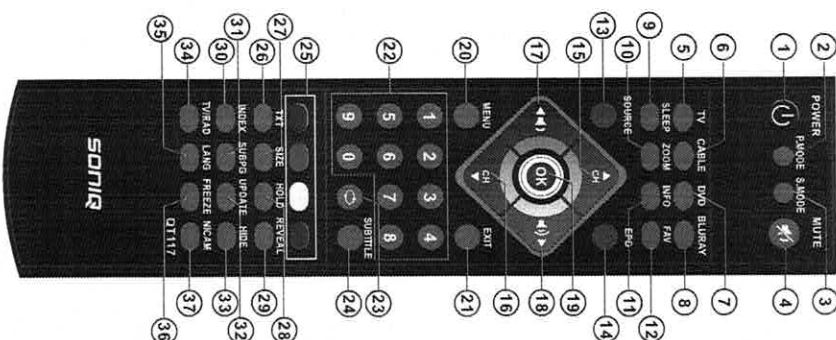
Remote Control Key Functions

- 25. **RED, GREEN, YELLOW, BLUE multifunction buttons**
Various functions depending on current menu or teletext display.
See on-screen display for current function of these colour buttons.
- 26. **TXI**
Open the Teletext page (where available).
- 27. **SIZE**
Change the size of the current teletext page.
- 28. **HOLD**
Hold the current teletext page to prevent it being updated.
- 29. **REVEAL**
Reveal / conceal hidden text on current teletext page
- 30. **INDEX**
Jump to teletext index page.
- 31. **SUBPG**
Show the teletext subpage menu
- 32. **UPDATE**
Close and reload the current teletext page. Press once to close and again to reload the page.
- 33. **HIDE**
Toggle between black and TV program as background to teletext display.
- 34. **TV / RAD**
Switch between TV and Radio channels in Digital TV mode.
- 35. **LANG**
Change between available audio streams / languages in digital TV mode.
- 36. **FREEZE**
Pause the picture. Press again to un-freeze.
- 37. **NICAM**
Switch between NICAM audio modes in Analog TV mode.

Precautions on Remote Control Operation

The remote control should be used within the effective receiving range for the TV. Aim the remote control to the infrared receiver on the liquid crystal TV. And confirm no objects placed between the TV and you. It will shorten its distance of normal function if it's used in direct sunlight or irradiation of daylight lamp.

Please use the remote control carefully. Do not get it dropped, trampled or sprayed by any liquid.



Using the Remote control

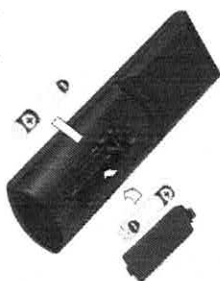
When using the remote control, aim it at remote control sensor window on the unit. If there is an object between the remote control and the signal remote control sensor window on the unit, the remote may not operate.

- ▶ When using the remote control, please note:
 - Do not strike or drop the remote. Do not expose the remote control to liquids and do not place it in humid environments.
 - Do not install or place the remote control in direct sunlight. The heat may damage the remote control.
 - If the remote control sensor window on the unit is in direct sunlight or strong light, the remote control may not operate normally. In this situation, change the light source or read just the angle of your unit, or operate the remote control from a location closer to the remote control sensor window on the display.

Batteries

You will need to install the supplied batteries into the remote control to make it operate following the instructions below.

1. Open the lid of the remote control battery compartment.
2. Insert two size-AAA batteries.
Ensure that the batteries are inserted with the positive and negative terminals in the correct direction corresponding to the (+) and (-) marks in the battery compartment.
3. Install the lid of the remote control battery compartment.



Notes on Using Batteries

The use of the wrong type of batteries may cause chemical leaks and/or explosion. Please note the following:

Always ensure that the batteries are inserted with the positive and negative terminals in the correct direction as shown in the battery compartment.

Different types of batteries have different characteristics. Do not mix different types.

Do not mix old and new batteries. Mixing old and new batteries will shorten battery life and/or cause chemical leaks from the old batteries.

When batteries fail to function, replace them immediately.


Chemicals which leak from batteries may cause skin irritation. If any chemical matter seeps out of the batteries, wipe it up immediately using a dry cloth.


Due to varying storage conditions, the battery life for the batteries included with your unit may be shortened. If the remote control is not used for a long period of time, remove the batteries.

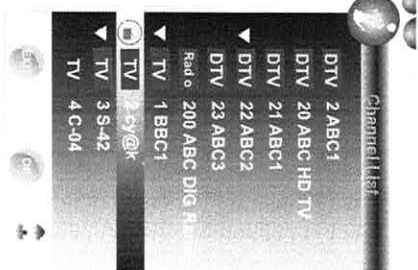
Changing TV Channels

When viewing Television stations (on Digital TV or Analog TV sources) you may adjust the channel in a number of ways as follows:

1. Use the UP ▲ and DOWN ▼ arrow keys on the remote to select the previous and next channel respectively.
2. Press the **OK** button to display a list of all channels and select the desired channel using the ▲ ▼ arrow keys.
3. Enter the desired channel number directly using the 0-9 number keys on the remote. If entering channel numbers with multiple digits for example 70. Press the 7 button quickly followed by the 0 button. If the delay between entering the first and second digits the TV will attempt to switch to the first digit (for example 7). If you enter a number which is not a valid channel, the unit will remain on the current channel.

4. Press the recall () button on the remote to switch between the current channel and the previously viewed channel. This feature is useful to quickly switch between two channels of interest.

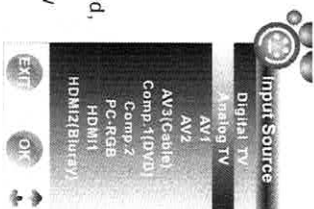
5. Open the Electronic Program Guide () button) and select channel based on program information. This option is available in Digital TV mode only. Refer to the Electronic Program Guide section of this manual for details on using this feature.



Selecting the Input Source

Press the **SOURCE** button on the remote or the source button on the side of the TV to open the input source menu. This will let you choose to view signal from external devices connected to the TV via the input connections on the back of the unit.

Use the up and down arrow keys (▲ and ▼) to navigate up and down the source menu. When the desired input is highlighted, press the **OK** button to confirm the selection, the TV will now switch over to display the signal from the selected source.



NOTE: If there is no device connected to the selected input source, or if the external device is switched off, the screen will remain blank for a few seconds before "NO SIGNAL" will be displayed. If the external device is turned on and there is still no signal, check the connections between the device and the TV and ensure that you have selected the correct input source.

NOTE: If there is no signal on the selected input source and no input from the remote control, the TV will automatically enter standby mode to conserve power after approximately 5 minutes.

Using the Quick Select Source Buttons

The Quick Select source buttons operate as follows:



Jumps to Digital TV source.



Jumps to Component 1 source. This is commonly connected to a DVD device using the 5 cable component video connection (GREEN, RED, and BLUE cables for video and RED and WHITE for audio).



Jumps to AV3 source. This may be connected to a cable TV receiver using the 3 cable composite video connection (YELLOW for video, RED and WHITE for audio).



Jumps to HDMI2 source. This may be connected to device supporting HDMI connecting such as a bluray disc player or gaming console. HDMI uses a single cable to carry both video and audio as quality digital signals.

NOTE: The devices labelled on the buttons and inputs are for reference only. You do not need to connect your external devices to your television in the labelled manner. For example, if you prefer to connect your DVD player via HDMI connection you may use the HDMI2 port and then your device may be accessed using the BLURAY button. Similarly, if you have a Cable TV receiver connected to Component 1 input, it will be accessed via the DVD button rather than the CABLE button.

Before calling a service center, attempt the following steps to diagnose the problem.

TV unit

Problem	Suggested Action
There is no power.	<ul style="list-style-type: none"> Ensure the power plug is securely inserted into the unit and wall outlet.
There is no picture or sound.	<ul style="list-style-type: none"> Try a different input source to check whether the source is at fault. Check for mis-connection of cables or for wrong input source.
There are spots on the screen.	<ul style="list-style-type: none"> Your unit is being affected by interference from automobiles, trains, high-voltage transmission lines, neon signs or another sources of interference. Try redirecting or relocating your antenna to reduce the affects of the interference.
Degraded colors or tints.	<ul style="list-style-type: none"> Check whether all the picture adjustments have been properly performed.
Improper screen position or size	<ul style="list-style-type: none"> Try selecting a different aspect ratio by pressing the ASPECT button on the remote control.
The image appears distorted.	<ul style="list-style-type: none"> Ensure the display aspect ratio is correctly set to suit the program source.
The image appears too bright, and there is a loss of definition in the brightest areas of the image.	<ul style="list-style-type: none"> Reduce the contrast setting. The AV video signal has not been terminated properly somewhere in the external AV equipment.
The image appears too washed out, or the darkest areas of the image appear too bright.	<ul style="list-style-type: none"> Reduce the brightness level till the black areas of the picture appear as black.
Remote control does not function properly.	<ul style="list-style-type: none"> Check for incorrect battery orientation. Check for dead batteries. Check your distance and angle from the display. Check whether remote control sensor window. Check for any obstacle between the remote control and the remote control sensor window. Check that the remote control sensor window is not under strong fluorescent lighting. Check for any devices (PC or personal digital assistant, PDA) nearby that transmit infrared signal which may cause interference to signal transmission between the remote control and the unit. Turn off the infrared function of these devices.
There is no picture or sound, just noise.	<ul style="list-style-type: none"> Make sure the antenna cable is properly connected. Change channels to confirm if the symptom is still present.
Picture is not clear.	<ul style="list-style-type: none"> Make sure the antenna cable is properly connected. Change channels to confirm if the symptom is still present. If PC (VGA) is selected as the input signal source, use the Auto Sync Function in the Set Up Menu (in VGA Mode) to let the display adjust picture automatically.
No sound.	<ul style="list-style-type: none"> Check whether you have selected the Mute function. Make sure the volume is not set to minimum. Check the AV cables for disconnection.

Supported PC Input Signal

Antenna

Problem	Suggested Action
The picture is not sharp or the picture moves contains image movement.	<ul style="list-style-type: none"> The reception may be weak. Change channels to confirm if the symptom is still present. Make sure the outside antenna is not disconnected. Make sure the antenna is facing the right direction.
The picture is doubled or tripled.	<ul style="list-style-type: none"> Make sure the antenna is facing the right direction. Picture ghosting is caused by reflections from buildings, large metal structures and mountains. Carefully realign your antenna to minimize the ghost images. Ultimately a higher quality antenna professionally installed may be necessary to reduce the ghosting.
The picture is spotted.	<ul style="list-style-type: none"> There may be interference from automobiles, trains, high voltage lines, neon lights, etc. There may be interference between the antenna cable and power cable, try positioning them further apart.
There are stripes on the screen or colors fade.	<ul style="list-style-type: none"> Is the television receiving interference from other devices? Transmission antennas of radio broadcasting stations and transmission antennas of amateur radios and cellular phones may also cause interference. Use the television as far away as possible from devices that may cause possible interference.

▶ The panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the TV.

Supported PC Input Signal

Your unit can use as PC monitor, it supports below PC input timing.

VGA	VESA 640x480@60Hz
	VESA 640x480@72Hz
	VESA 640x480@75Hz
	VESA 800x600@60Hz
SVGA	VESA 800x600@72Hz
	VESA 800x600@75Hz
	VESA 1024x768@60Hz
	VESA 1024x768@70Hz
XGA	VESA 1024x768@75Hz

▶ This VGA signal format is converted to match the number of Pixels of PDP Panel, the unit may not display small text properly. If you connect this unit to your PC, the compressed image is displayed in other VGA mode. Therefore the picture quality may deteriorate and characters may not be read.