

### Owner's Instructions

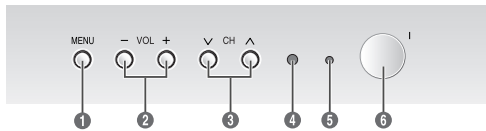
Before operating, please read this manual thoroughly, and retain it for future reference.

Register your product at  
[www.samsung.com/global/register](http://www.samsung.com/global/register)

### Control Panel (depending on the model)

➤ The actual configuration of your TV may be different, depending on your model.

#### Front (or Side) Panel



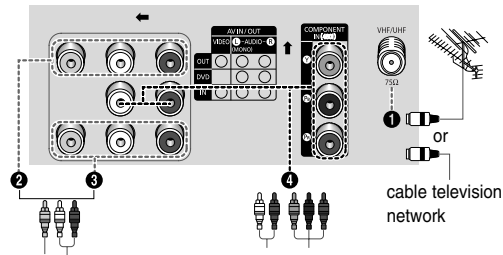
- ❶ On-screen menu display
- ❷ Volume adjustment
- ❸ Channel selection
- ❹ Remote control sensor
- ❺ Indicator
- ❻ Power on/off

- ◆ You can use the ❸ buttons to switch the TV on when it is in standby mode depending on the model.
- ◆ The ❷ and ❸ buttons also have the same function as the ◀/▶/▼/▲ buttons on the remote control.
- ◆ If the remote control no longer works or you have misplaced it, you can use the controls on the panel of the television.

### Connection Panel (depending on the model)

➤ The actual configuration of your TV may be different, depending on your model.

#### Rear Panel



☛ Whenever you connect an audio or video system to your television, ensure that all elements are switched off. Please be sure to match the color coded input terminals and cable jacks.

#### Connecting to an Aerial or Cable Television Network

Connect the aerial or network input cable to the ❶ (75 Ω coaxial socket).

To view television channels correctly, a signal must be received by the set from one of the sources: an outdoor aerial, cable television network, or satellite network.

If you are using an indoor aerial, you may need to adjust it when tuning your television until you obtain a picture that is both sharp and clear.

#### Connecting to the RCA Output

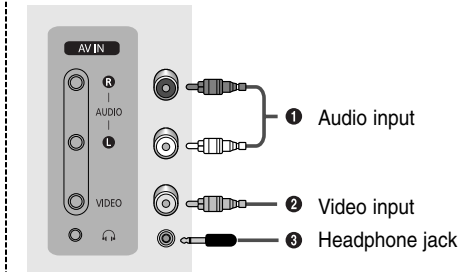
The RCA ❷ connectors are used for equipment, such as a recording VCR or audio system.

#### Connecting to the RCA Input

The RCA ❸ connectors are used for equipment, such as a VCR, DVD, decoder, satellite receiver, video game device, or video disc player. (When using the mono equipment, connect to the AUDIO-L input connector.)

The RCA ❹ connectors are used for equipment such as a DVD with component output (480i only).

#### Front (or Side) Panel



☛ Please be sure to match the color coded input terminals and cable jacks.

#### Connecting to the RCA Input

The ❶ (AUDIO-L/R) and ❷ (VIDEO) connectors are used for equipment, such as a camcorder, video disc player, or video game device.

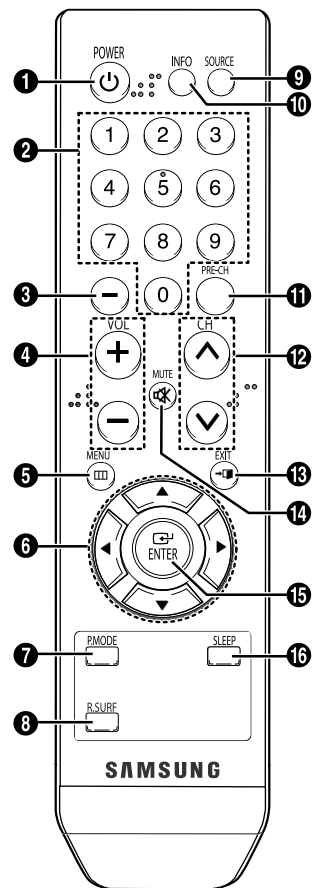
#### Connecting Headphones

The ❸ (headphone) jack is used for watching a television programme without disturbing the other people in the room. Prolonged use of headphones at a high volume may damage your hearing.

➤ When both the front (or side) AV and rear connectors are connected to external equipment, the front (or side) AV receives priority.

## Remote Control

- Operation of remote control may be affected by bright artificial light near to the TV.

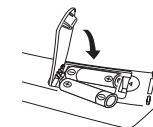


- POWER**  
Used to switch the TV on and off.
- Numeric buttons**  
Used to select channels directly.
- Used to select a channel numbered ten or over. Press this button, then “—” symbol is displayed. Enter the two-digit channel number.
- VOL +, VOL -**  
Used to increase or decrease the volume.
- MENU**  
Used to display the on-screen menu or return to the previous menu.
- ▲ / ▼ / ◀ / ▶**  
Used to control the cursor in the menu.
- P.MODE**  
Used to select the picture effect.
- R.SURF**  
Press to automatically return to a preferred channel after a userpreset time delay.
- SOURCE**  
Used to display all of the available video sources.
- INFO**  
Used to view the channel information and setting status you selected.
- PRE-CH**  
Used to switch repeatedly between the last two channels displayed.
- CH ^, CH v**  
Used to display the next or previous stored channel.
- EXIT**  
Used to exit from any display or return to normal viewing.
- MUTE**  
Used to switch the sound off temporarily. To turn the sound back on, press the **MUTE**, **+**, or **-** button.
- ENTER**  
While using the on-screen menus, press the **ENTER** button to activate (or change) a particular item.
- SLEEP**  
Used to select a preset time interval for automatic turn off.

### Installing Batteries

Remove the cover. Install two AAA size batteries, then replace the cover. When the remote control does not operate normally, check that the “+” and “-” ends of the batteries are inserted correctly or the batteries are drained.

- Do not mix battery types, i.e. alkaline and manganese.



## Turning the TV On and Off

Press the “I” button (On/Off) on the front of the television.

Press the **POWER** button on the remote control to switch the television on.

Caution : One pole switch is totally not off (one line still live) if power cord is not unplugged.

## Viewing the Menus

- 1 Press the **MENU** button.  
The main menu is displayed on the screen. Its left side has four icons: **Picture**, **Sound**, **Channel** and **Function**.
- 2 Press the ▲ or ▼ button to select one of the icons. Press the ◀ or ▶ button to access the icon’s sub-menu.
- 3 Press the ▲ or ▼ button to move to items in the menu.
- 4 Press the ▲/▼/◀/▶ button to change the selected items.
- 5 Press the **EXIT** button to exit from the menu.

## Channel - Memorizing the Channels

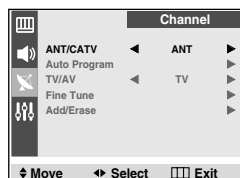
Your TV can memorize and store all of the available channels for both “off-air” (antenna) and cable channels. After the available channels are memorized, use the **CH** ^ and **CH** v buttons to scan through the channels.

This eliminates the need to change channels by entering the channel digits. There are three steps for memorizing channels: “ANT/CATV”, “Auto Program” and “Add/Erase”.

### ◆ ANT/CATV

Before your TV can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV (i.e., an antenna or a cable system).

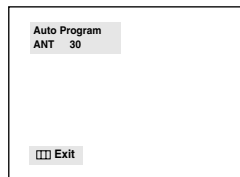
Select “ANT”(antenna), “STD”, “HRC” or “IRC”(all cable TV) by pressing the ◀ or ▶ button.



### ◆ Auto Program

All available channels are automatically stored in memory when channels are selected by the direct tuning function.

Press the **MENU** button at any time to interrupt the memorization process.

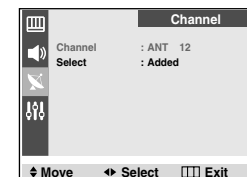


### ◆ Add/Erase

You can add or erase a channel to display the channels you want only. To use the Add/Erase function, first run Auto Program.

Press the ◀/▶ or number buttons to select the channel you want added or erased.

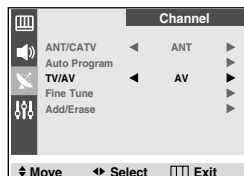
Press the ▲ or ▼ button to select “Select”. Press the ◀ or ▶ button to select “Added” or “Erased”.



## Channel - TV/AV

You can switch between viewing signal from connected equipment, such as a VCR, Camcorder, and the TV source (broadcast or cable).

- Press the **SOURCE** button on the remote control repeatedly to select the desired signal source.



## Channel - Fine Tune

The Fine Tuning function lets you manually adjust the TV's tuner if you have difficulty tuning channels.

Adjust the fine tuning by pressing the ◀ or ▶ button.

To store the fine tuning setting in the TV's memory, press the ▲ or ▼ button to select "Select".

Press the ◀ or ▶ button to select "Added".

To reset the fine tuning to "0", press the ◀ or ▶ button to select "Erased".

- After you adjust the fine tuning, "\*" will appear when you press the **INFO** button while watching this channel.



## Function - Time

### ◆ Clock

Setting the clock is necessary in order to use the various timer features of the TV. Also, you can check the time while watching the TV. (Just press the **INFO** button.)

### ◆ On time / Off time

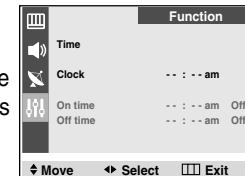
You can set the On/Off timers so that the TV will switch on or off automatically at the time you select.

- You must set the clock first.


### ◆ Sleep Timer

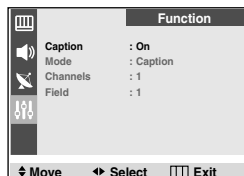
You can select a time period of between 10 and 180 minutes after which the TV automatically switches to standby mode.

- Press the **SLEEP** button on the remote control repeatedly until the appropriate time interval appears (any of the preset values from "Off" to "180"min.).



## Function - Caption

Your TV decodes and displays the closed captions that are broadcast with certain TV shows. These captions are usually subtitles for the hearing impaired or foreign-language translations. All VCRs record the closed caption signal from TV programs, so home-recorded video tapes also provide closed captions. Most pre-recorded commercial video tapes provide closed captions as well. Check for the closed caption symbol in your TV schedule and on the tape's packaging: .



### ◆ Caption: On/Off

You can activate or deactivate the Caption function.

### ◆ Mode

- In "Caption" mode, captions appear at the bottom of the screen, and they usually cover only a small portion of the picture.
- In "Text" mode, information unrelated to the program, such as news or weather, is displayed. Text often covers a large portion of the screen.

### ◆ Channels / Field

Depending on the particular broadcast, it might be necessary to make changes to "Channels" and "Field".

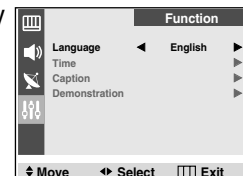
Different channels and fields display different information: Field 2 carries additional information that supplements the information in Field 1.

(For example, Channel 1 may have subtitles in English, while Channel 2 has subtitles in Spanish.)

- ☛ Misspellings and unusual characters sometimes occur during closed caption transmissions, especially those of live events. There may be a small delay before captions appear when you change channels. These are not malfunctions of the TV.

## Function - Language

When you start using the TV for the first time, you must select the language which will be used for displaying menus and indications.



## Function - Demonstration

To become familiar with the various menus provided by the TV, you can view the in built demonstration.

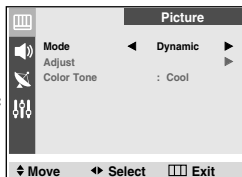
Each of the menu options is displayed in turn. When you wish to stop the demonstration, press any button on the remote control.



## Picture - Mode / Adjust / Color Tone

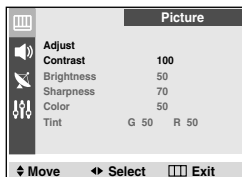
### ◆ Mode: Dynamic/Standard Movie/Custom

You can select the type of picture which best corresponds to your viewing requirements.



### ◆ Adjust: Contrast/Brightness/ Sharpness/Color/Tint

The TV has several settings which allow you to control the picture quality.

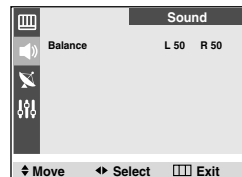


### ◆ Color Tone: Cool/Normal/Warm

You can change the color of the entire screen according to your preference.

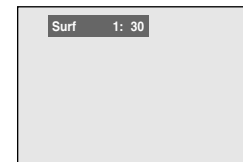
## Sound - Balance

You can adjust the sound balance of left and right speakers.



## R.Surf Feature

This feature allows you to set the TV to return to a particular channel after a certain amount of time. For example, you may be watching a channel when commercials start. You can set the R.Surf to "5 minutes", then switch channels. After minutes, the TV will return to the original channel.



Press the **R.SURF** button repeatedly to set the timer in thirty second intervals, up to five minutes.

## **Troubleshooting**

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If the TV seems to have a problem, first try this list of possible problems and solutions. If none of these troubleshooting tips apply, then call your nearest Samsung authorized service center.

### **Poor picture.**

- ◆ Try another channel.
- ◆ Adjust the antenna.
- ◆ Check all wire connections.

### **Poor sound quality.**

- ◆ Try another channel.
- ◆ Adjust the antenna.

### **No picture or sound.**

- ◆ Try another channel.
- ◆ Press the **SOURCE** button.
- ◆ Make sure the TV is plugged in.
- ◆ Check the antenna connections.
- ◆ Make sure the **MUTE** button is off.

### **No color, wrong color or tint.**

- ◆ Make sure the program is broadcast in color.
- ◆ Adjust the picture settings.

### **Picture rolls vertically.**

- ◆ Adjust the antenna.
- ◆ Check all wire connections.
- ◆ If you are using a VCR, check the tracking.

### **The TV operates erratically.**

- ◆ Unplug the TV for 30 seconds, then try operating it again.

### **Your remote control does not operate your TV.**

- ◆ Make sure the remote has batteries.
- ◆ Check that the "+" and "-" ends of the batteries are inserted correctly.
- ◆ Check that the batteries are drained.

### **The TV won't turn on.**





- ◆ Make sure the wall outlet is working.
- ◆ Make sure the TV is plugged in.
- ◆ Make sure the remote has batteries.

### **Remote control malfunctions**

- ◆ Replace the remote control batteries.
- ◆ Clean the upper edge of the remote control (transmission window).
- ◆ Check that the "+" and "-" ends of the batteries are inserted correctly.
- ◆ Check that the batteries are drained.

## OSD Map

\* : It is variable depending on the model.

 <b>Picture</b>	- Mode	- Dynamic / Standard / Movie / Custom	
	- Adjust	- Contrast / Brightness / Sharpness / Color / Tint	
	- Color Tone	- Cool / Normal / Warm	
 <b>Sound</b>	- Balance		
 <b>Channel</b>	- ANT/CATV	- ANT / STD / HRC / IRC	
	- Auto Program		
	- TV/AV	- TV / AV / Component	
	- Fine Tune	- Fine Tune	
	- Select	- Added / Erased	
	- Add/Erase	- Channel	
	- Select	- Added / Erased	
 <b>Function</b>	- Language	- English *	
	- Time	- Clock	
		- On time	
		- Off time	
	- Caption	- Caption	- Off / On
		- Mode	- Caption / Text
		- Channels	- 1 / 2
		- Field	- 1 / 2
	- Demonstration		

## Important Warranty Information Regarding Television Format Viewing

Standard screen format televisions (4:3, the aspect ratio of the screen width to height) are primarily designed to view standard format full-motion video. The images displayed on them should primarily be in the standard 4:3 ratio format and constantly moving. Displaying stationary graphics and images on screen, such as the dark top and bottom letterbox bars (wide screen pictures), should be limited to no more than 15% of the total television viewing per week.

Wide screen format televisions (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on non-expanded standard format television video and programming, should be limited to no more than 15% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying any stationary images that exceed the above guidelines can cause uneven aging of picture tubes (CRTs) that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On television models that offer picture sizing features, use these controls to view the different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven CRT aging as a result of format selection and use, as well as other burned-in images, is not covered by your Samsung limited warranty.