

SAMSUNG

Special Features

Special Features

Customizing Your Remote Control

Your TV comes equipped with a universal remote control. In addition to controlling the TV, the universal remote control can also operate a Set-Top Box, VCR, Cable box and DVD (even if your VCR, Cable box and DVD are made by manufacturers other than Samsung).

NOTE

- The remote control might not be compatible with all VCRs, DVD players and Cable boxes.



Setting Up Your Remote Control to Operate Your VCR (Cable box or DVD player)

- Turn off your VCR (Cable box or DVD player).
- Press the MODE button to switch the remote control to the VCR (CABLE or DVD) mode. The remote control has five modes: TV, STB, VCR, CABLE and DVD.
- On your Samsung remote control, press the SET button.
- Enter 3 digits of the VCR (Cable box or DVD player) code listed on next page for your brand of VCR (Cable box or DVD player). Make sure you enter 3 digits of the code, even if the first digit is a "0". (If more than one code listed, try the first one.)
- Press the POWER button. Your VCR (Cable box or DVD player) should turn on. If your VCR (Cable box or DVD player) turns on, your remote control is now set correctly. If your VCR (Cable box or DVD player) does not turn on, repeat steps 2, 3, and 4, but try one of the other codes listed for the brand of your particular VCR (Cable box or DVD player).
- Once your remote control is set up, press the MODE button any time you want to use the remote to operate your VCR (Cable box or DVD player).

NOTES

- When your remote is in the TV mode, the VCR (or DVD player) control buttons (REW, STOP, PLAY/PAUSE and FF) will still operate your VCR (or DVD player).
- When your remote control is in the STB, VCR, CABLE or DVD mode, the volume buttons still control your TV's volume.

Remote Control Codes

VCR Codes

000	Samsung	018	Candle, Citizen, Emerson, LG(Goldstar), Radio Shack, Realistic, Sears, Toshiba, Teknika, Television	036	Electrohome, Emerson, Radio Shack, Realistic, Sharp	059	Pioneer
001	LG(Goldstar)			037	RCA	060	JC Penny
003		019	Broksionic, Emerson	038	Magnavox, Marantz, Philco, Philips, Sylvania	061	Candle, Citizen, Portland
004		021	Craig, Fisher, Radio Shack, Realistic, Sanyo, Sears	039	JC Penny, JCL, Kenwood, Marantz, NEC, Tatum, Teac	062	Canon, Curtis Mathes, General Electric, JC Penny, Magnavox, Panasonic, Philco, Radio Shack, Realistic, Sylvania
005							
006							
007	Daewoo, LG(Goldstar)	022	Audio Dynamics, Candle, Citizen, Daewoo, Emerson, Samsung, Scott, Toshiba	040	Logik, Multitech, Shintom	063	RCA
008	Daewoo			041	General Electric, Multitech, Samsung	064	Shintom
009	Curtis Mathes, Dimensia, General Electric, PROSCAN, RCA	023	Colorlyne, Curtis Mathes, DB, LG(Goldstar), Harmon Kardon, JC Penny, JCL, Kenwood, Marantz, NEC	042	Pioneer	065	Magnavox, Philco, Sylvania
				043	Emerson	066	Emerson
				044	Hitachi, JC Penny, Pentax, RCA, Sears	067	Fisher
011	Bell & Howell, Fisher, JC Penny, JCL, Kenwood, Marantz, NEC, Quartz, Radio Shack, Realistic, Sanyo, Sears, Tandy	024	Aiwa, Curtis Mathes, Dynatech, Emerson, Funai, Hitachi, Lloyd, UJI, MTC, Multitech, Radio Shack, Realistic, Signature, Sylvania, Symphonic, Tandy, Teac, Teknika	045	Hitachi	068	LG(Goldstar)
				046	RCA	070	Marantz, NEC
014	Hitachi, JC Penny, Pentax, Pioneer, RCA, Sears, Toshiba	025	Audio Dynamics, DB, JC Penny, JCL, Kenwood, Marantz, NEC, Pioneer, Sansui	047	Sony	071	Curtis Mathes, NEC
				048	Sharp	072	Emerson
015	Admiral, Optimus, Radio Shack, Realistic, Sharp	026	Alkal, Shintom, Sony	049	Sharp	076	Curtis Mathes, Emerson, TMMK
				050	Emerson, Scott	077	Emerson, Scott
				051	Emerson, Samsung	078	RCA, Teac
016	Candle, Citizen, Craig, Curtis Mathes, General Electric, Go Video, JC Penny, MTC, Multitech, RCA, Samsung, Television	027	Fisher, Sears	052	Fisher, Radio Shack, Realistic, Sears	079	Emerson
				053	Portland, Quasar	082	KH
				054	Candle, Citizen, Daewoo, Portland, Sharp	084	Panasonic
				055	Candle, Citizen, Curtis Mathes, LG(Goldstar), JCL, Kenwood, Marantz, NEC, Pentax Research-	085	Daewoo
						086	Panasonic
						088	Admiral
017	Canon, Curtis Mathes, Emerson, General Electric, Instant Replay, JC Penny, JCL, Magnavox, Marantz, Panasonic, Philco, Philips, Quasar, Radio Shack, Realistic, RCA, Sylvania, Technica, Teknika	028	Fisher, Radio Shack, Realistic, Sears, Toshiba	056	Emerson		
		029	Emerson	057	Fisher, Sears, Toshiba		
		030	Teknika	058	Emerson, Scott, Toshiba		
		031	Alkal, Samsung				
		032	Alkal, Emerson				
		035	Shintom, Sony				

Cable Box Codes

000	Samsung	020	Eastern International, Hamlin, Regal	038	GI, Jerrold	057	Tocom
001	Nawoo			039	Unika	058	
002	TaeFyungYang	021	Hamlin, Regal	040	Magnavox, Philips, Unika, Viewstar	059	Universal
003	DeaFyung	022	Zenith			060	
004	DongKuk	023	GI, Jerrold	041	Magnavox, Philips, Regency, Viewstar	063	Tocom
005	Daehan	024	Oak, Ost Sigma	042	Hamlin	065	Zenith
006	LG(Goldstar)	025	Tocom	043	GI, Jerrold	066	Stargate 2000
007	Saewoo	026	Pioneer	044	GI, Jerrold	067	Sylvania, Texscan
008	RCA	027	Magnavox, Philips, Viewstar	045	Hitachi, Macom	069	Panasonic, Zenith
010	Regency	028	Pioneer	046	Oak	070	Jerrold
011	Hamlin, Panasonic, Regal, Samsung	029	Magnavox, Philips, Tocom, Viewstar	047	Panasonic	071	Samsung
				048	Magnavox, Philips, Viewstar	072	
012	GI, Hamlin, Jerrold	030	Samsung	049	Magnavox, Philips, Unika, Viewstar	073	Jerrold
013	GI, Jerrold	031				074	RCA
015	Anvision, Cable Star, Eagle, Magnavox, Philips, Randtek, Viewstar	032	GI, Jerrold	050	Zenith	075	
		033		051	Hitachi, Macom	076	GI
		034	Magnavox, Philips, Viewstar	052	Pioneer, Samsung, Warner Amex	077	
017	NSC	035	RCA, Panasonic, Sprucer	054	General Instrument, Hitachi, Jerrold, Signature, Starcom		
019	Sylvania, Texscan	036	Magnavox, Philips, Viewstar	056	Hamlin		

DVD Codes

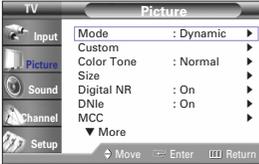
000	Samsung	003	JVC	006	Panasonic	009	Curtis Mathes
001	LG(Goldstar)	004	Sony	007	Philips		
002	Toshiba	005	Sharp	008	PROSCAN, RCA		

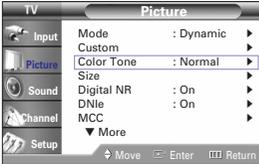
Special Features

Selecting the Color Tone



- Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.


- Press the ▲ or ▼ button to select "Color Tone", then press the ENTER button.


- Press the ▲ or ▼ button to select "Cool2", "Cool1", "Normal", "Warm1" or "Warm2", then press the ENTER button.



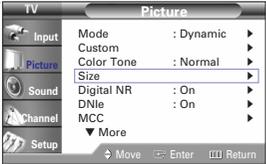
Press the EXIT button to exit.

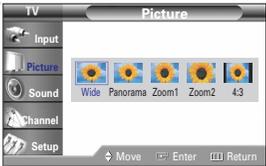
Changing the Picture Size

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



- Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button. Press the ▲ or ▼ button to select "Size", then press the ENTER button.


- Press the ◀ or ▶ button to select the screen format you want, then press the ENTER button.



Press the EXIT button to exit.

Alternate method

Press the P.SIZE button on the remote control repeatedly to select one of the picture size settings.

- "Wide": Sets the picture to 16:9 wide mode.
- "Panorama": Use this mode for the wide aspect ratio of a panoramic picture.
- "Zoom1": Magnifies the size of the picture on screen. You can also move the picture on screen using the scroll function. Press the ▲ or ▼ button to scroll the picture.
- "Zoom2": Magnifies the size of the picture more than "Zoom1". You can also move the picture on screen using the scroll function. Press the ▲ or ▼ button to scroll the picture.
- "4:3": Sets the picture to 4:3 normal mode. This is a standard TV screen size.

NOTES

- You can select only Wide, 4:3 screen size in the Component(480p, 720p, 1080i) Mode.
- With PIP On, the screen automatically becomes wide in the Antenna, AV (1~3), S-Video (1~3) or Component (480i) mode. With PIP Off, it returns to original screen size.
- The picture size can't be changed when the "PIP" is active in the TV or AV mode.

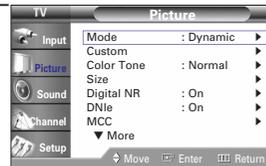
Special Features

Digital Noise Reduction

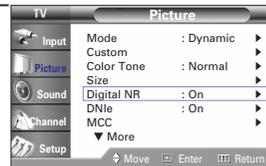
If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.



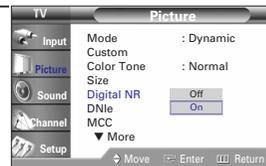
1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



2 Press the ▲ or ▼ button to select "Digital NR", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Off" or "On", then press the ENTER button.



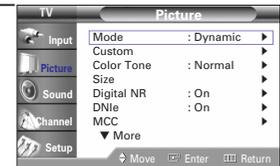
Press the EXIT button to exit.

DNle™ (Digital Natural Image engine) **DNle™**

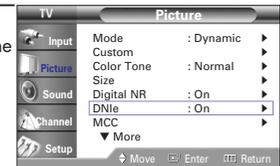
This feature brings you more detailed image with 3D noise reduction, detail enhancement, contrast enhancement and white enhancement. New image compensation Algorithm presents brighter, clearer, much detailed image. DNle™ technology will fit every signals into your eyes.



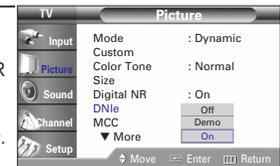
1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



2 Press the ▲ or ▼ button to select "DNle", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Off", "Demo" or "On", then press the ENTER button.

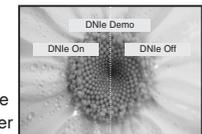


Press the EXIT button to exit.

Alternate method

Press the DNle button on the remote control repeatedly to select one of the settings.

- On: Switches on the DNle mode.
- Off: Switches off the DNle mode.
- Demo: The screen before applying DNle appears on the right and the screen after applying DNle appears on the left.



Special Features

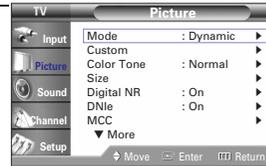
Setting the MCC (My Color Control) Mode

MCC allows users to adjust colors according to their preferences, by adjusting skin, sky, and grass tones using the predefined settings ("Turkish Blue", "Emerald Green", "Indian Pink", "Standard", "Custom") without affecting other colors on the screen.

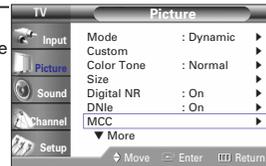


Using the Easy Control Menu

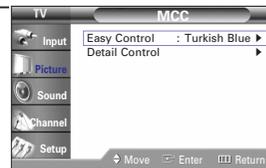
1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



2 Press the ▲ or ▼ button to select "MCC", then press the ENTER button.



3 Press the ENTER button to select "Easy Control". Press the ◀ or ▶ button to select one of the picture settings you want. The original picture (before adjustment) is shown on the left side, while the selected mode is shown on the right side.



Press the ENTER button to accept the selected mode.

Press the EXIT button to exit.

- "Turkish Blue": Emphasizing Clear Blues. Feel the clear sun shine on the blue Mediterranean sea.
- "Emerald Green": Emphasizing Mild Greens. Feel the translucent, romantic turquoise sea.
- "Indian Pink": Emphasizing Warm Skin Colors.
- "Standard": Standard Picture

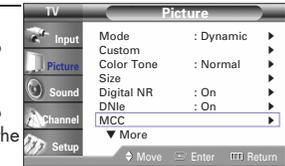
NOTE

- Changing the settings in the "Detail Control" menu (see next page) will automatically set the MCC mode to "Custom".



Custom Settings

1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button. Press the ▲ or ▼ button to select "MCC", then press the ENTER button.



2 Press the ▲ or ▼ button to select "Detail Control", then press the ENTER button.



3 Press the ▲ or ▼ button to select one of the MCC color you want, then press the ENTER button. There are three MCC colors: "Skin Tone", "Green Grass" and "Blue Sky".



Press the ◀ or ▶ button to adjust the value of a color selected. Changing the adjustment value will refresh the adjusted screen.



Resetting the MCC Colors to the Factory Defaults

You can return to the factory default settings for MCC colors.

4 Press the MENU button to display the "Detail Control" menu. Press the ▲ or ▼ button to select "Reset", then press the ENTER button. The previously adjusted MCC Colors will be reset to the factory defaults.

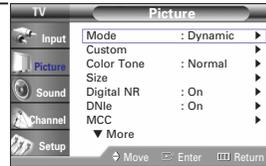


Special Features

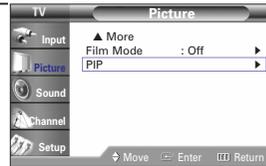
Changing the Size of the Sub Picture



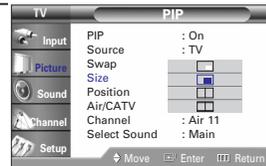
1 Press the MENU button.
Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



2 Press the ▲ or ▼ button to select "PIP", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Size", then press the ENTER button.



Press the ▲ or ▼ button to select a size you want, then press the ENTER button.

Press the EXIT button to exit.

Alternate method

Press the SIZE button on the remote control repeatedly to select one of the settings.

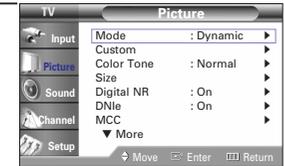
NOTE

- "□□" [Double1] function doesn't operate in the "HDMI" mode.

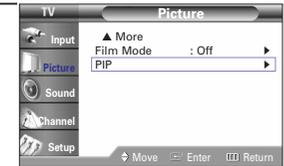
Changing the Location of the Sub Picture



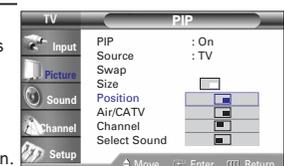
1 Press the MENU button.
Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



2 Press the ▲ or ▼ button to select "PIP", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Position", then press the ENTER button.



Press the ▲ or ▼ button to select a position you want, then press the ENTER button.

Press the EXIT button to exit.

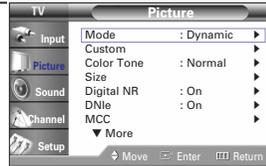
Special Features

Selecting the Sound Source

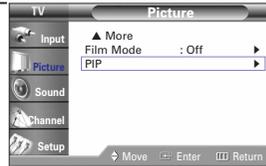
You can use this feature to hear sound from the main or sub picture.



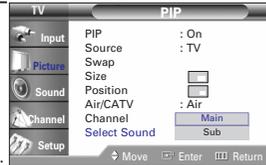
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



- 2 Press the ▲ or ▼ button to select "PIP", then press the ENTER button.



- 3 Press the ▲ or ▼ button to select "Select Sound", then press the ENTER button.



Press the ▲ or ▼ button to select "Main" or "Sub", then press the ENTER button. "Main" is for the main TV picture audio, and "Sub" is for the sub picture (PIP) audio.

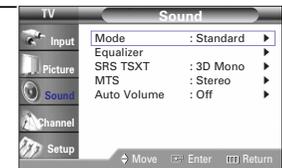
Press the EXIT button to exit.

Setting the SRS TSXT

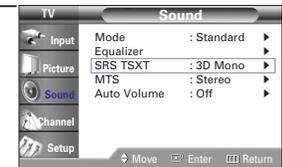
TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. Trusurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.



- 1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.



- 2 Press the ▲ or ▼ button to select "SRS TSXT", then press the ENTER button.



- 3 Press the ▲ or ▼ button to select "Off", "3D Mono" or "Stereo", then press the ENTER button.



Press the EXIT button to exit.

Alternate method

Press the SRS TSXT button on the remote control repeatedly to select one of the settings.

TruSurround XT, SRS and Symbol (SRS) are trademarks of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.



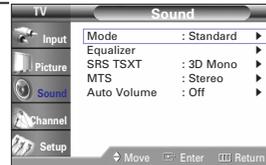
Special Features

Choosing a Multi-Channel Sound (MTS) track

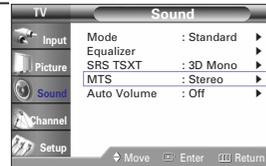
Depending on the particular program being broadcast, you can listen to "Mono", "Stereo" or "SAP (Separate Audio Program)". "SAP" audio is usually a foreign-language translation. Sometimes "SAP" has unrelated information like news or weather.



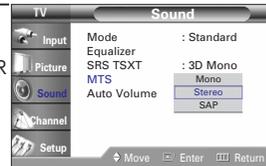
1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.



2 Press the ▲ or ▼ button to select "MTS", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Mono", "Stereo" or "SAP", then press the ENTER button.



Press the EXIT button to exit.

Alternate method

Press the MTS button on the remote control repeatedly to select one of the settings.

- Choose "Mono" for channels that are broadcasting in mono, or if you are having difficulty receiving a stereo signal.
- Choose "Stereo" for channels that are broadcasting in stereo.
- Choose "SAP" to listen to the Separate Audio Program, which is usually a foreign-language translation.

Auto Volume

Each broadcasting station has its own signal conditions, and it is inconvenient to adjust the volume every time the channel is changed. "Auto Volume" automatically adjusts the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.



1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.



2 Press the ▲ or ▼ button to select "Auto Volume", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Off" or "On", then press the ENTER button.



Press the EXIT button to exit.

Special Features

Using the V-Chip (USA)

Access to channels and programs is controlled by a password (i.e., a 4-digit secret code that is defined by the user). The on-screen menu will instruct you to assign a password (and you can change it later, if necessary).

NOTE

- The V-Chip doesn't function when the PIP is active.



NOTE

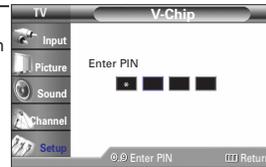
- If you forget the pin number, press the remote control buttons in the following sequence, which resets the pin to 0-0-0-0: POWER (Off), MUTE, 8, 2, 4, POWER (On).

How to Change Your Password

- Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button. Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button.



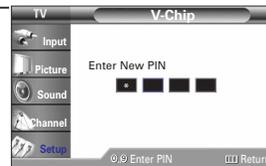
- Press the number buttons to enter your current 4-digit pin number. (The default pin number for a new TV set is "0000".) The "V-Chip" menu is displayed.



- Press the ▲ or ▼ button to select "Change PIN", then press the ENTER button.



- Press the number buttons to enter your new 4-digit pin number.



- Re-enter your new pin number to confirm. Press the EXIT button to exit.



How to Enable/Disable the Rating Controls



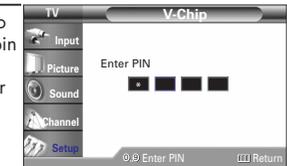
- Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



- Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button.



- Press the number buttons to enter your current 4-digit pin number. (The default pin number for a new TV set is "0000".) The "V-Chip" menu is displayed.



- Press the ENTER button to select "V-Chip Lock".



- Press the ▲ or ▼ button to select "On", then press the ENTER button.

Press the EXIT button to exit.



Special Features

How to Set up Restrictions Using the "TV Parental Guidelines"

The parental restrictions can be set up using either of two methods: The "TV Parental Guidelines" or "MPAA Rating".



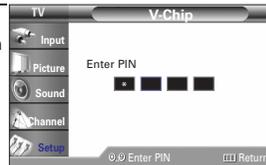
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



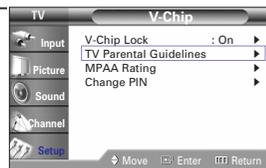
- 2 Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button.



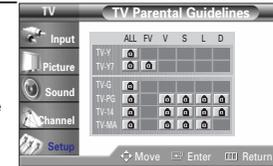
- 3 Press the number buttons to enter your current 4-digit pin number. (The default pin number for a new TV set is "0000".) The "V-Chip" menu is displayed.



- 4 Press the ▲ or ▼ button to select "TV Parental Guidelines", then press the ENTER button.



- 5 You can independently lock the TV ratings. The locked TV (FCC) ratings are indicated by the symbol "🔒". Press the ▲/▼/◀/▶ buttons and the ENTER button to activate the appropriate restrictions for TV (FCC) rating system.



TV-Y : Young children
 TV-Y7 : Children 7 and over
 TV-G : General audience
 TV-PG : Parent Guidance
 TV-14 : Viewers 14 and over
 TV-MA : Mature Audience

Press the EXIT button to exit.

NOTES

- These categories consist of two separate groups: "TV-Y" and "TV-Y7" (young children through age 7), and "TV-G" through "TV-MA" (everybody else).
- The restrictions for these two groups work independently: If a household includes very young children as well as young adults, the TV parental guidelines must be set up separately for each age group. (See page 73.)

Special Features

How to Set up Restrictions Using the “MPAA Rating”

The Movie rating system uses the “MPAA” (Motion Picture Association of America) system, and its main application is for movies.

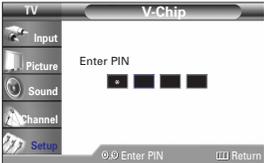
When the rating controls is on, the TV will automatically block any programs that are coded with objectionable ratings (either “MPAA Rating” or “TV Parental Guidelines”).

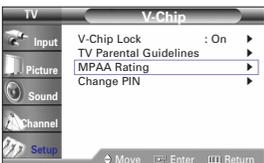


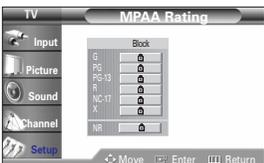
- Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.


- Press the ▲ or ▼ button to select “V-Chip”, then press the ENTER button.


- Press the number buttons to enter your current 4-digit pin number. (The default pin number for a new TV set is “0000”.) The “V-Chip” menu is displayed.


- Press the ▲ or ▼ button to select “MPAA Rating”, then press the ENTER button.


- You can independently lock the movie ratings. The locked movie ratings are indicated by the symbol “L”. Press the ▲/▼/◀/▶ buttons and the ENTER button to activate the appropriate restrictions for movie rating system.



Press the EXIT button.

Important Notes About Parental Locks

Explanation of the MPAA and TV (FCC) Rating Systems:

TV (FCC) Age-Based Ratings

TV-MA

Mature audiences only. This program may contain mature themes, profane language, graphic violence and explicit sexual content.

TV-14

Parents strongly cautioned. This program may contain sophisticated themes, sexual content, strong language and more intense violence.

TV-PG

Parental guidance suggested. The program may contain infrequent coarse language, limited violence, some suggestive sexual dialogue and situations.

TV-G

General audience. It contains little or no violence, no strong language, and little or no sexual dialogue or situations.

TV-Y7

Directed to older children. Themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of seven.

TV-Y

All children. The themes and elements in this program are specifically designed for a very young audience, including children from ages two – six.

TV (FCC) Content Category

- V** Violence.
- S** Sexual content.
- L** Offensive language.
- D** Dialogue sexual innuendo.
- FV** Fantasy or cartoon violence.

MPAA Rating System (Movies)

- G** General audience. No restriction.
- PG** Children under 13 should be accompanied by an adult.
- PG-13** Parental guidance suggested. Children under 13 should be accompanied by an adult.
- R** Restricted. Viewers should be 17 or older.
- NC-17** Not classified. Viewers should be 17 or older.
- X** Adults only.
- NR** Not rated.

- TV (FCC) ratings : The particular rating that you have selected will be locked (and indicated as a red “L” on a blue background). Also, all of the age-based ratings will be locked within the particular group (i.e., “group 1” or “group 2”). Suppose that the TV-G rating and all of its contents (V, S, L, and D) are locked. In that case, more restrictive ratings (TV-PG, TV-14, and TV-MA) and all of their contents (V, S, L, and D) are automatically locked as well.
- MPAA ratings : The particular rating that you have selected will be locked. In addition, more restrictive ratings will be locked as well.
- Neither TV (FCC) ratings nor MPAA ratings apply to news programs.

Special Features

Viewing Closed Caption Information

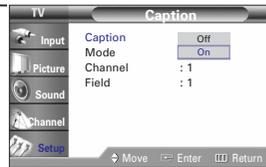
Your TV decodes and displays the closed captions information that is broadcast along with some television shows. These captions are usually subtitles for the hearing impaired or translations into other languages. All VCRs record the closed caption signal from television programs, so pre-recorded video tapes can also deliver closed-caption information. Check for the closed caption symbol (CC) on the tape's package or your TV program-schedule.



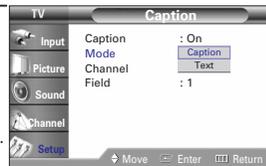
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button. Press the ▲ or ▼ button to select "Caption", then press the ENTER button.



- 2 Press the ENTER button to select "Caption". Press the ▲ or ▼ button to select "On", then press the ENTER button.



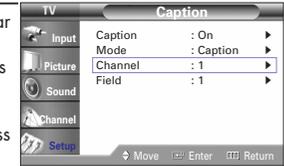
- 3 Press the ▲ or ▼ button to select "Mode", then press the ENTER button. Press the ▲ or ▼ button to select "Caption" or "Text", then press the ENTER button.



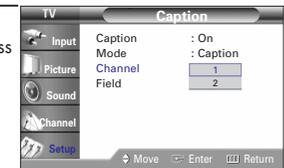
- In "Caption" mode, caption appears at the bottom of the screen, and they usually cover only a small portion of the picture.
- In "Text" mode, information unrelated to the program, such as news or weather, is displayed. Text often covers a large portion of the screen.



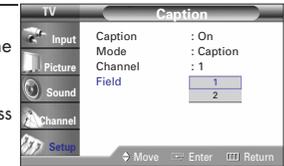
- 4 Depending on the particular broadcast, it might be necessary to make changes to "Channel" and "Field". Press the ▲ or ▼ button to select "Channel", then press the ENTER button.



- 5 Press the ▲ or ▼ button to select "1" or "2", then press the ENTER button.



- 6 Press the ▲ or ▼ button to select "Field", then press the ENTER button. Press the ▲ or ▼ button to select "1" or "2", then press the ENTER button.



- 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.)

NOTES

- The Caption function doesn't operate when the PIP is active.
- 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.

Special Features

Setting the Blue Screen Mode

If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the "Blue Screen" mode to "Off".



- 1 Press the MENU button.
Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



- 2 Press the ▲ or ▼ button to select "Blue Screen", then press the ENTER button.



- 3 Press the ▲ or ▼ button to select "On" or "Off", then press the ENTER button.

Press the EXIT button to exit.



Setting The On/Off Melody

A melody sound can be set to come on when the TV is powered On or Off.



- 1 Press the MENU button.
Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



- 2 Press the ▲ or ▼ button to select "Melody", then press the ENTER button.



- 3 Press the ▲ or ▼ button to select "On", then press the ENTER button.
Press the EXIT button to exit the menu.



Special Features

Using the Color Weakness Assistant Feature

This feature adjusts the Red, Blue or Green color to enhance the picture according to the user's particular color weakness.



- 1 Press the MENU button.
Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



- 2 Press the ▲ or ▼ button to select "Color Weakness", then press the ENTER button.



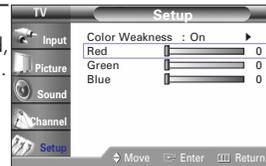
- 3 Press the ENTER button to select "Color Weakness".
Press the ▲ or ▼ button to select "On", then press the ENTER button.



- 4 Press the ▲ or ▼ button to select a color to be adjusted, then press the ENTER button.

Press the ◀ or ▶ button to adjust the value of a color selected.

Press the EXIT button to exit.



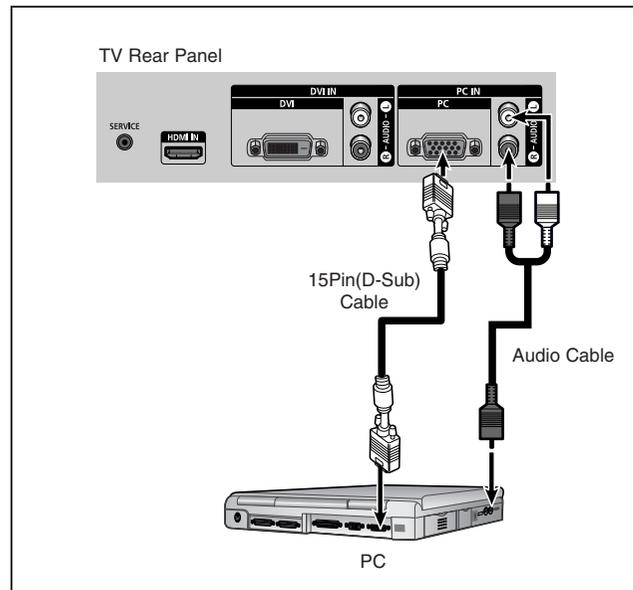
PC Display

PC Display

Using Your TV as a Computer (PC) Display

How to Connect Your PC to the TV

This figure shows the Standard Connector-jack panel. The actual configuration on your TV may be different, depending on the model.



NOTE

- The "SERVICE" jack is for repairs and software upgrades.

Setting up Your PC Software (Based on Widows 98)

The Windows display-settings for a typical computer are shown below. The actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. However, even if your actual screens look different, the same basic setup information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

First, click on "Settings" on the Windows start menu.

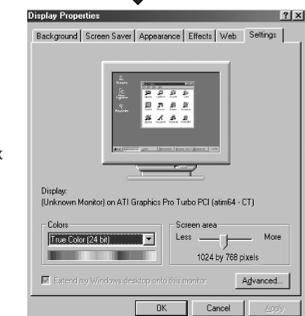
While "Settings" is highlighted, move the cursor so that "control panel" is highlighted.



When the control panel screen appears, click on "Display" and a display dialog-box will appear.



Navigate to the "Settings" tab on the display dialog box.



The two key variables that apply to the TV-PC interface are "resolution" and "colors". The correct settings for these two variables are:

- * Screen area (sometimes called "resolution"): 1024 x 768 pixels
- * Colors: "24-bit" color (might also be expressed as "16 million colors").

If a vertical-frequency option exists on your display settings dialog box, the correct value is "60" or "60 Hz". Otherwise, just click "OK" and exit the dialog box.

continued...

PC Display

Display Modes

Mode	Resolution	Horizontal Frequency [KHz]	Vertical Frequency [Hz]	Pixel Clock [MHz]	Sync Polarity (H/V)
VGA	640 x 350	31.47	70.00	25.175	+/-
		31.47	70.00	28.322	-/-
	720 x 400	37.93	85.00	35.5	-/+
		31.47	60.00	25.175	-/+
		35.00	66.70	30.24	-/-
		37.86	72.80	31.50	-/-
		37.50	75.00	31.50	-/-
43.27	85.00	36.00	-/-		
SVGA	800 x 600	35.16	56.30	36.00	+/-
		37.88	60.30	40.00	+/-
		48.08	72.20	50.00	+/+
		46.87	75.00	49.50	+/+
		53.67	85.10	56.25	+/+
	832 x 624	49.73	74.60	57.284	-/+
		48.36	60.00	65.00	-/-
XGA	1024 x 768	56.40	70.10	75.00	-/-
		60.02	75.00	78.75	+/-
		60.02	75.00	78.75	+/-
DTV	1920 x 1080i	33.75	60	74.25	X
	1280 x 720p	45.00	60	74.25	X
	720 x 483p	31.47	60	27	X

NOTE

- Both screen position and size will vary, depending on the type of PC monitor and its resolution. The table above shows all of the display modes that are supported:
 - * The interlace mode is not supported.
 - * The TV will operate abnormally if a non-standard video format is selected.

NOTES

- When this TV is used as a PC display, 32-bit color is supported (over 16 million colors).
- Your PC display screen might appear different, depending on the manufacturer (and depending on your particular version of Windows). Check your PC instruction book for information about connecting your PC to a TV display-monitor.
- Same modes as PC are supported for the signal input to the DVI jack. Only a separate sync signal is supported.

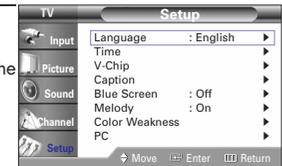
Adjusting the Picture Quality

The purpose of picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by fine tuning alone, then do the frequency adjustments to the utmost and fine tune again. After the noise has been reduced, re-adjust the picture so that it is aligned on the center of screen.



1 Press the TV/VIDEO button to select "PC".

2 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



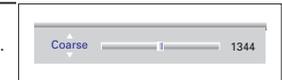
3 Press the ▲ or ▼ button to select "PC", then press the ENTER button.



4 Press the ▲ or ▼ button to select "Coarse" or "Fine", then press the ENTER button.



5 Pressing the ◀ or ▶ button to remove the picture noise.



Press the EXIT button to exit.



NOTE

- This feature may change the width of the image. If necessary, adjust the position to center.

PC Display

Changing the Picture Position

After connecting the TV to your PC, adjust the position of picture if it is not well-aligned.

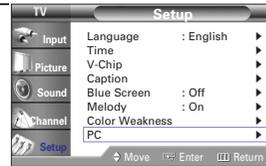


1 Press the TV/VIDEO button to select "PC".

2 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



3 Press the ▲ or ▼ button to select "PC", then press the ENTER button.

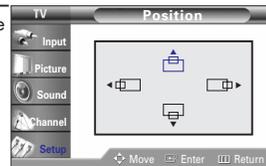


4 Press the ▲ or ▼ button to select "Position", then press the ENTER button.



5 Adjust the position of picture by pressing the ▲/▼/◀/▶ button.

Press the EXIT button to exit.



NOTE

- If a PC signal is input to "DVI" or "HDMI", you can't adjust the quality and position of picture.

Adjusting the Picture Quality and Position Automatically

This feature allows the TV to self-adjust to the incoming video signal. The values of fine, coarse and position are adjusted automatically.



1 Press the TV/VIDEO button to select "PC".

2 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



3 Press the ▲ or ▼ button to select "PC", then press the ENTER button.



4 Press the ▲ or ▼ button to select "Auto Adjustment", then press the ENTER button. The picture quality and position are automatically adjusted, and the picture returns to original view about a few seconds later.



Press the EXIT button to exit.

Auto in Progress
Please Wait

PC Display

Initializing the Picture Settings

You can replace all picture settings with the factory default values.



1 Press the TV/VIDEO button to select "PC".

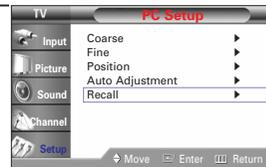
2 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



3 Press the ▲ or ▼ button to select "PC", then press the ENTER button.



4 Press the ▲ or ▼ button to select "Recall", then press the ENTER button. The picture settings are replaced with the factory default values.



Press the EXIT button to exit.

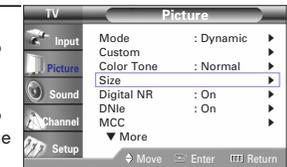
Changing the Picture Size (PC Mode)

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

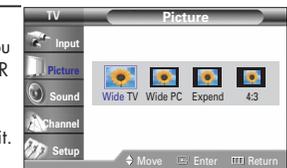


1 Press the TV/VIDEO button to select "PC".

2 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button. Press the ▲ or ▼ button to select "Size", then press the ENTER button.



3 Press the ◀ or ▶ button to select the screen format you want, then press the ENTER button.



Press the EXIT button to exit.

Alternate method

Press the P.SIZE button on the remote control repeatedly to select one of the picture size settings.

- "Wide TV": Scales the picture to the size of the TV screen regardless of the aspect ratio of the input source.
- "Wide PC": Scales the picture to 92% of the screen regardless of the aspect ratio of the input source.
- "Expand": Scales the picture to the aspect ratio of the input source.
- "4:3": Displays the picture as it is without changing the aspect ratio of input source.

Source (PC/DVI)	Picture Size
1920 x 1080i	Wide TV → 4:3
1280 x 720	Wide TV → Wide PC → Expand → 4:3
1024 x 768	Wide TV → Wide PC → Expand
720 x 483 (480p)	Wide TV → 4:3
Others	Wide TV → Wide PC → Expand → 4:3

NOTES

- The "Wide PC" and "Expand" modes are recommended for the PC mode.
- In VGA (640x480) and SVGA (800x600) modes, the "Wide" and "4:3" modes are available.
- In XGA (1024x768) mode, the "Wide" mode is available.

Appendix

SAMSUNG

Appendix

Troubleshooting

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 service center.

Problem	Possible Solution
Poor picture quality.	Try another channel. Adjust the antenna. Check all wire connections.
Poor sound quality.	Try another channel. Adjust the antenna. Make sure the MUTE button is off.
No picture or sound.	Try another channel. Press the TV/VIDEO button. Make sure the TV is plugged in. Check the antenna connections.
No color, wrong colors or tints.	Make sure the program is broadcasted 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.	Press the MODE button to put your remote control into TV mode. Make sure the remote has batteries.
The TV won't switch on.	Make sure the wall outlet is working. Make sure the remote has batteries.

- The display panel used for the DLP Projection TV is composed of many tiny pixels. These, pixels may occasionally appear on the screen.

Cleaning and Maintaining Your TV

With proper care, your TV will give you many years of service. Please follow these guidelines to get the maximum performance from your TV.

Placement

- Do not put the TV near extremely hot, cold, humid or dusty places.
- Do not place the TV near appliances with electric motors that create magnetic fields, such as vacuum cleaners.
- Keep the ventilation openings clear; do not place the TV on a soft surface, such as cloth or paper.
- Place the TV in a vertical position only.

Liquids

- Do not handle liquids near or on the TV. Liquids that spill into it can cause serious damage.

Cabinet

- Never open the cabinet or touch the parts inside.
- Wipe your TV with a clean, dry cloth. Never use water, cleaning fluids, wax, or chemicals.
- Do not put heavy objects on top of the cabinet.
- This DLP Projection TV projects the image onto a large screen by applying an optical system. If you place the TV set face down, it might cause a problem because dirt, or some other contaminant may become attached to the inside of the TV set.

Temperature

- If your TV is suddenly moved from a cold to a warm place, unplug the power cord, and allow at least two hours for moisture that may have formed inside the unit to dry completely.

Using Your TV in Another Country

If you plan to take your TV with you to a foreign country, please be aware of the different television systems that are in use around the world. A TV designed for one system may not work properly with another system due to differences in the TV channel frequencies.

Specifications

Model	HPL4663W	HPL5063W	HPL6163W
Voltage	AC 120V	AC 120V	AC 120V
Frequency of Operation	60Hz	60Hz	60Hz
Power Consumption	200 watts	200 watts	200 watts
Dimension (W x D x H)	??? x ?? x ??? mm ?? x ?? x ?? inches	1182 x 897 x 359 mm 46.53 x 35.31 x 14.13 inches	??? x ??? x ??? mm ?? x ?? x ?? inches
Weight	?? Kg / ?? lbs	35 Kg / 77.16 lbs	?? Kg / ?? lbs