



Setting Up Your Remote Control

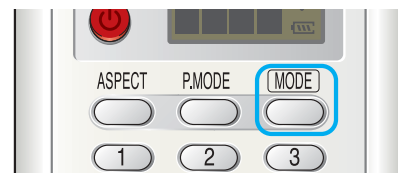
This PDP's remote control can operate almost any VCR, cable box or DVD. After it has been set up properly, your remote control can operate in four different modes :TV , VCR, Cable, DVD or STB. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.

Note :

- The remote control may not be compatible with all DVD Players, VCRs, Cable boxes.
- The remote control can only operate STB made by Samsung.

Setting Up the Remote to Operate Your VCR, Cable box or DVD player

1 Turn off your VCR. (or Cable box, DVD player)



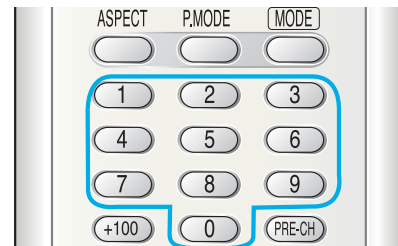
2 Press the MODE button. Mode is changed whenever MODE button is pressed.



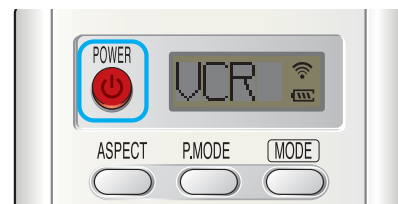
3 Press the SET button on your TV's remote control.



4 Using the number buttons on your remote control, enter three digits of the VCR (or Cable box, DVD player) code listed on page 35 of this manual for your brand of VCR (or CATV, DVD). Make sure you enter three digits of the code, even if the first digit is a "0".
(If more than one code is listed, try the first one.)



5 Press the POWER button on the remote control. Your VCR (or CATV, DVD) should turn on if your remote is set up correctly. If your VCR (or CATV, DVD) does not turn on after setup, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR (or CATV, DVD).
If no other codes are listed, try each code, 000 through 089 (or Cable box: 000 through 077, DVD player: 000 through 008).



Notes

- When your remote control is in "VCR" mode, the VCR control buttons (STOP, REW, PLAY/PAUSE, FF) still operate your VCR.
- When your remote control is in "CATV" or "DVD" mode, the VCR control buttons (STOP, REW, PLAY/PAUSE, FF) still operate your VCR.
- You do not need to program the remote for Samsung STBs as the codes are pre-programmed.

Remote Control Codes

VCR Codes

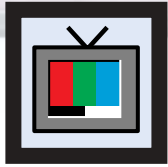
Brand	Codes	Brand	Codes	Brand	Codes
Admiral	020	JVC	007 008 018 021 026 037	RCA	017 019 002 021 035 041 043 057 068
Aiwa	025	Kenwood	007 008 018 026 037	Samsung	000 001 002 003 004 005
Akai	027 004 032	KLH	070	Sansui	026
Audio Dynamics	007 026	Lloyd	025	Sanyo	018 024
Bell&Howell	018	Logik	038	Scott	003 047 052 067
Broksonic	022	LXI	025	Sears	018 019 006 024 028 029 041
Candle	002 006 003 015 008 055	Magnavox	021 036 056 059		048 051
Canon	021 056	Marantz	008 007 018 021 026 036	Sharp	020 034 045 015
Citizen	002 003 006 008 015 055		037 062	Shimom	027 033 038 058
Colortyme	007	Marta	006	Signature	025
Craig	002 024	MEI	021	Sony	027 033 044
Curtis Mathes	002 017 007 008	Memorex	006 021 024 025	Sylvania	021 025 036 056 059
	021 025 056 064 066	MGA	034	Symphonic	025
Daewoo	003 015 010 011 012 013	Midland	005	Tandy	018 025
	014 016	Minolta	019 041	Tashika	006
DBX	007 026	Mitsubishi	019 034 041 046	Tatung	037
Dimensia	017	Montgomery Ward	020	Teac	025 037 068
Dynatech	034	MTC	002 025	Technics	021
Emerson	001 003 006 021 022 025	Multitech	002 025 038 005	Teknika	021 006 025 031
	030 032 034 040 047 050	NEC	018 007 026 037 008 062 064	TMK	066
	052 060 063 065 066 067	Optimus	020	Toshiba	003 019 029 051 052
	069	Panasonic	021 056 071 072	Totevision	002 006
Fisher	018 024 028 029 048 051 061	Pentax	019 041	Unitech	002
Funai	025	Pentex Research	008	VectorResearch	007 026
General Electric	017 002 021	Philco	021 036 056 059	Victor	026
	005 056	Philips	021 036	Video Concepts	007 026
Go Video	002	Pioneer	019 026 039 053	Videosonic	002
LG(Goldstar)	006 007 008 009 010	Portland	015 049 055	Wards	002 003 006 019 020 021
Harman Kardon	007	PROSCAN	017		024 025 034 038 041
Hitachi	019 025 041 042	Quartz	018	Yamaha	007 008 018 026 037
InstantReplay	021	Quasar	021 056	Zenith	023 027 033 073
JC Penny	002 007 018 019 021	Radio Shack/Realistic			
	026 037 041 054 056	006 018 020 021 024 025 029 034 048 056			

Cable Box Codes

Brand	Codes	Brand	Codes	Brand	Codes
Anvision	017 018	Philips	019 021 023 028	Sprucer	022
GI	041	Pioneer	018 020 004 044	Stargate 2000	036
Hamlin	003 024 031	RCA	014 022 040	Sylvania	016
Hitachi	025 030	Regal	003	Texscan	016
Jerrold	038 039	Regency	015 023	Tocom	032
Macom	025 030	SA	042 043	Universal	033 034
Magnavox	019 023 028	Samsung	000 001 002 003 004 005	Viewstar	019 021 023 028
Oak	026		006 007	Wamer amex	046
Panasonic	003 022 027 037 044	Scientific Atlanta	042 043	Zenith	017 029 035 037 045

DVD Codes

Brand	Codes
Samsung	000 001
JVC	002
PROSCAN	003
RCA	003
LG(Goldstar)	006
Sony	007
Denon	008
Curtis Mathes	009

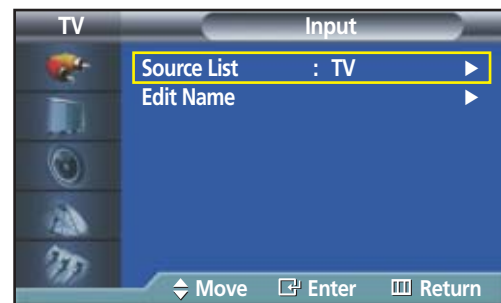


Viewing an External Signal Source

Use the remote control to switch between viewing signals from connected equipment, such as VCRs, DVD, Set-Top box and the TV source (broadcast or cable).

Setting the Signal Source

- 1 Press the MENU button. Press the ENTER button to select "Input".



- 2 Press the ENTER button to select "Source List".



- 3 Press the ▲ or ▼ button to select signal source, then press the ENTER button.

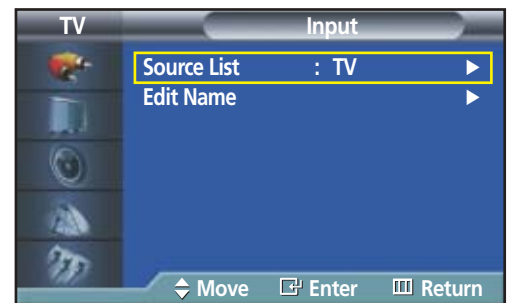


Notes

- When you connect equipment to the PDP, you can choose between the following sets of jacks: AV1, AV2, AV3, S-Video1, S-Video2, Component1, Component2, PC or DVI on the PDP's rear panel.

Assigning Names to External input mode

- 1 Press the MENU button. Press the ENTER button to select "Input".



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



- 3 Press the ENTER button.
 - Press the ▲ or ▼ button to select external device: VCR, DVD, Cable STB, HD STB, Satellite STB, AV Receiver, DVD Receiver, Game, Camcorder, DVD Combo, DHR or PC. Set other signal sources (AV2, AV3, S-Video1, S-Video2, Component1, Component2, PC or DVI) using the same method as listed above.



- 4 Press the MENU button to exit.

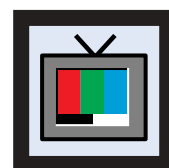
Notes

- DHR : DVD HDD Recorder

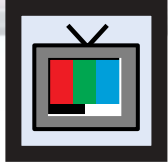
S
V
W
S
U
N
G

P L A S M A D I S P L A Y P A N E L

Picture Control



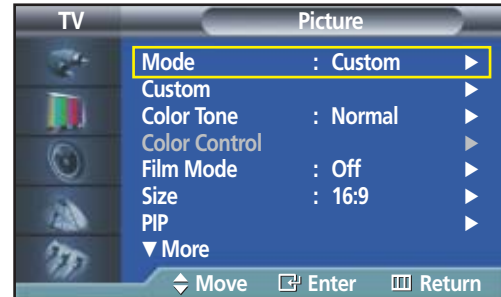
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Customizing the Picture

You can use the on-screen menus to change the Contrast, Brightness, Sharpness, Color, and Tint settings of your PDP.

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



- 2 Press the ▲ or ▼ button to select "Custom", then press the ENTER button. You will also see the items "Contrast", "Brightness", "Sharpness", "Color" and "Tint".



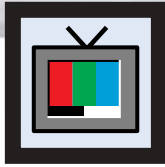
- 3 Press the ▲ or ▼ button to select the item you wish to change, then press the ENTER button. Press the ◀ or ▶ button to change the value of the item.



- 4 Press the MENU button to exit.

Note

- In the PC/DVI mode, you can't adjust the Color and Tint.

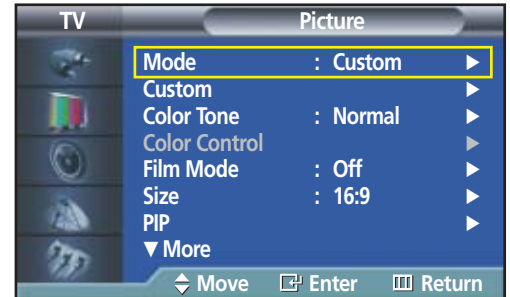


Using Automatic Picture Settings

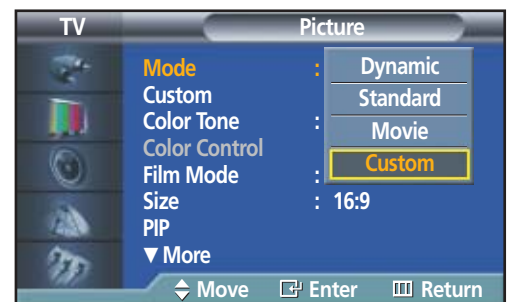
Your PDP has automatic picture settings that allow you to adjust the video display easily.

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

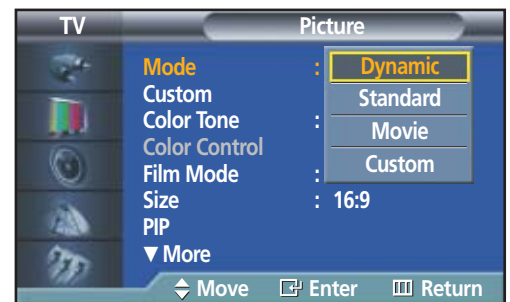
➤ Quick way to access the picture setting: Just press the "P.MODE" button on the remote control.



- 2 Press the ENTER button to select "Mode".



- 3 Press the ▲ or ▼ button to select "Dynamic", "Standard", "Movie", "Custom" picture setting.
 - You can select "Custom", "Entertain", "Internet", or "Text" in PC/DVI mode.

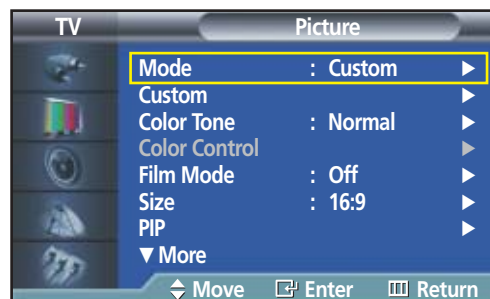


- 4 Press the MENU button to exit.

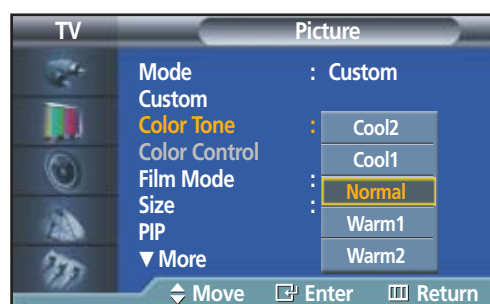


Selecting the Color Tone

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



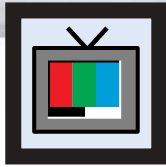
- 2 Press the ▲ or ▼ button to select "Color Tone", then press the ENTER button.



- 3 Press the ▲ or ▼ button to select "Cool2", "Cool1", "Normal", "Warm1" or "Warm2".
 - You can select "Custom", "Cool", Normal" or "Warm" in PC mode.
 - You can select "Cool", "Normal" or "Warm" in DVI mode.



- 4 Press the MENU button to exit.



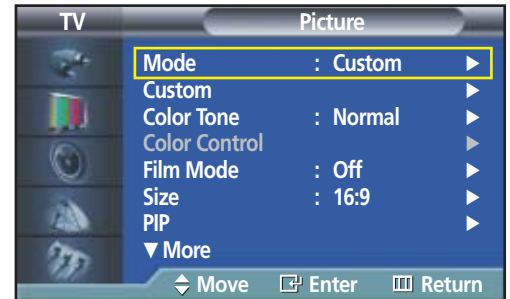
Plasma Display

DNle (Digital Natural Image engine)

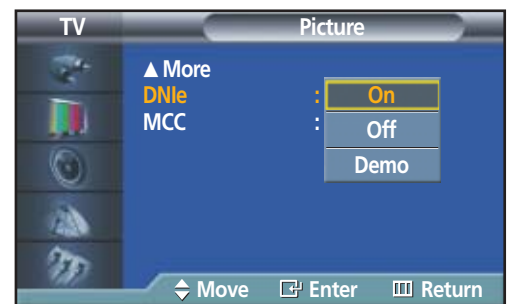
Samsung's New Technology brings you more detailed images with contrast, white enhancement and 3D noise reduction.

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

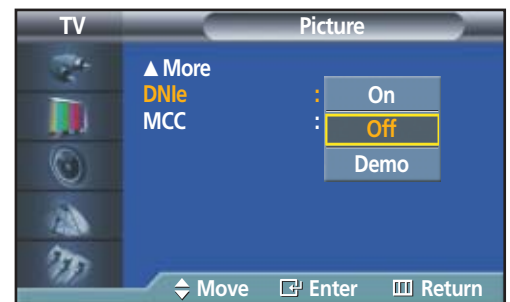
➤ Quick way to select DNle: Simply press the "DNle" button under the cover of the remote control.



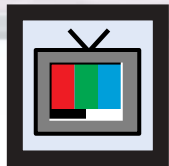
- 2 Press the ▲ or ▼ button to select "DNle", then press the ENTER button.



- 3 Press the ▲ or ▼ button to select "On", "Off" or "Demo".
 - 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.



- 4 Press the MENU button to exit.

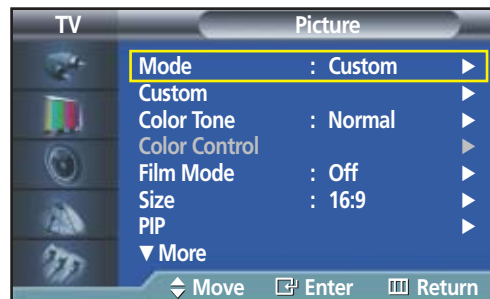


Changing the Screen Size

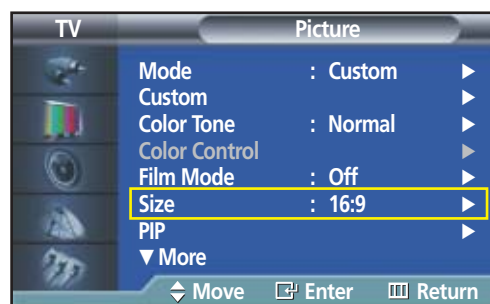
Screen size selection depends on the type of video input(DVD, PC etc.).

➤ Quick way to access the Screen Size menu : Just press the "ASPECT" button on the remote control.

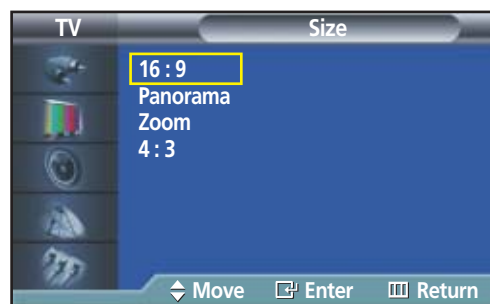
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



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



- 3 Press the ▲ or ▼ button to select the screen size you want.



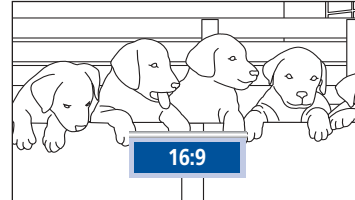
- 4 Press the MENU button to exit.

Note

- If you watch a still image or the 4:3 (Normal) mode for a long time (over 2 hours), an image may be burned onto the screen.
View the monitor in 16:9(Wide) or Panorama mode as much as possible.

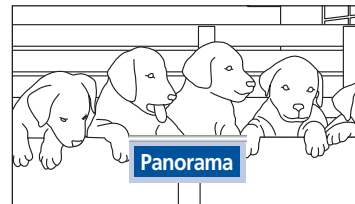
16:9(Wide)

16:9 Aspect Ratio that fits DVD and Wide Screen applications.



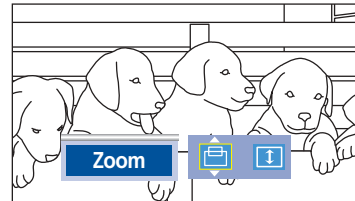
Panorama

Fits a 16:9 picture onto a 4:3 screen and displays it without clipping the image.



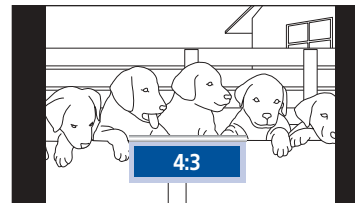
Zoom

Magnifies the 16:9 wide picture (in a vertical direction) to fit the screen size. Select  by pressing the ◀ or ▶ button. Use the ▲ or ▼ button to move the picture up and down. After selecting , use the ▲ or ▼ button to magnify or reduce the picture size in a vertical direction.



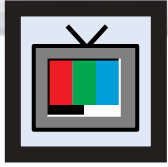
4 : 3(Normal)

Standard TV and VCR screen size having a 4:3 Aspect Ratio.



Notes

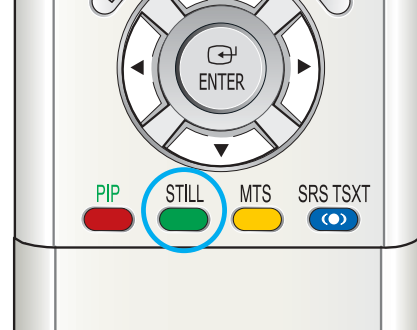
- In TV, VIDEO, S-VIDEO and Component (480i) modes, all screen modes can be selected. (16:9 → Panorama → Zoom → 4:3).
- In PC/DVI mode, only 16:9 & 4:3 modes can be selected.
- In Component (480p, 720p, 1080i) modes, Panorama mode can't be selected.
- In Component (480p, 720p, 1080i) modes, you can move the picture on screen by pressing the ▲ or ▼ button. (All screen modes)
- Changing the screen size to Normal, or Zoom during PIP mode will cause the PIP window to disappear.

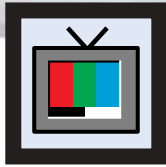


Freezing the Picture

Still

Press the STILL button on the remote control to freeze a moving picture. Press again to cancel.





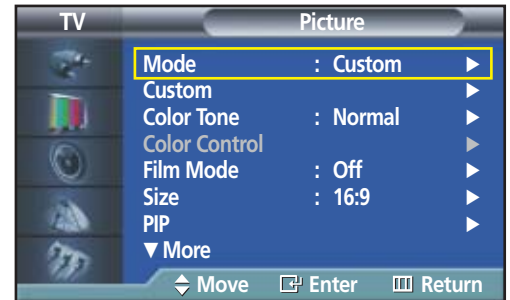
Plasma Display

Viewing the Picture-in-Picture

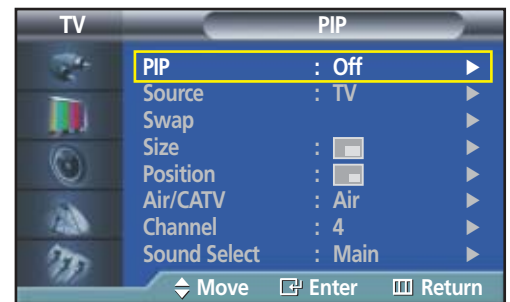
Selecting the PIP Screen

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

➤ Quick way to access the PIP mode: Just press the "PIP" button on the remote control.



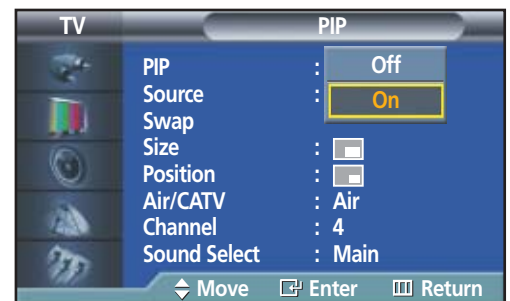
- 2 Press the ▲ or ▼ button to select "PIP", then press the ENTER button.



- 3 Press the ENTER button, then press the ▲ or ▼ button to select "On". The PIP image will appear in the corner of the screen.
 - Pressing the ▲ or ▼ button will alternate between "On" and "Off".

Note

- Check if the V-Chip Lock (refer to page 103) is ON if the PIP On/Off will not function. PIP does not function when the V-Chip Lock is set to On. Change the setting to Off and try it again.



- 4 Press the MENU button to exit.

PIP Settings

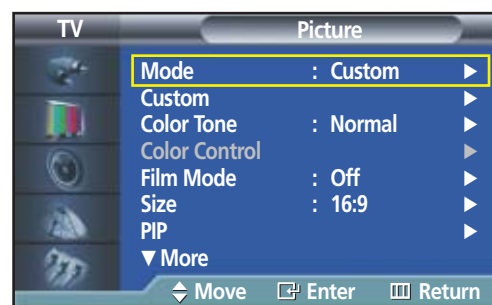
○ : PIP and Swap Operate
X : PIP doesn't Operate

Main screen PIP screen	TV	AV 1	AV 2	AV 3	S-Video 1	S-Video 2	Component 1	Component 2	PC	DVI
TV	○	○	○	○	○	○	○	○	○	○
AV 1	○	X	○	○	○	○	○	○	○	○
AV 2	○	○	X	○	○	○	○	○	○	○
AV 3	○	○	○	X	○	○	○	○	○	○
S-Video 1	○	○	○	○	X	○	○	○	○	○
S-Video 2	○	○	○	○	○	X	○	○	○	○
Component 1	○	○	○	○	○	○	X	X	X	X
Component 2	○	○	○	○	○	○	X	X	X	X
PC	○	○	○	○	○	○	X	X	X	X
DVI	○	○	○	○	○	○	X	X	X	X

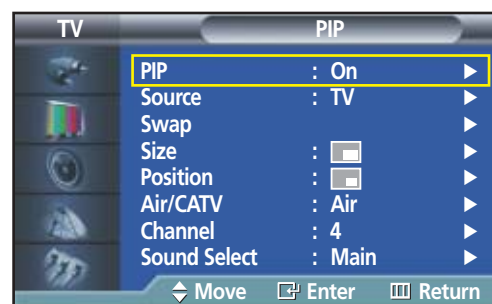
Selecting an External Signal

You can use PIP to view a signal from an external source, such as a VCR.

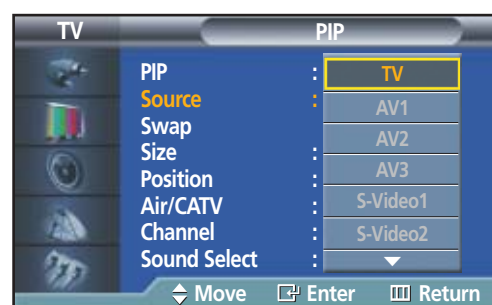
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



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

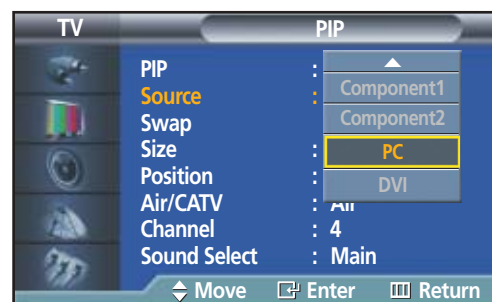


- 3 Press the ▲ or ▼ button to select "Source", then press the ENTER button.



- 4 Press the ▲ or ▼ button to cycle through all of the available signal sources: "TV", "AV1", "AV2", "AV3", "S-Video1", "S-Video2", "Component1", "Component2", "PC" and "DVI".

The signal from these inputs will not appear if you have not connected any equipment to the PDP's respective input jacks.



- 5 Press the MENU button to exit.

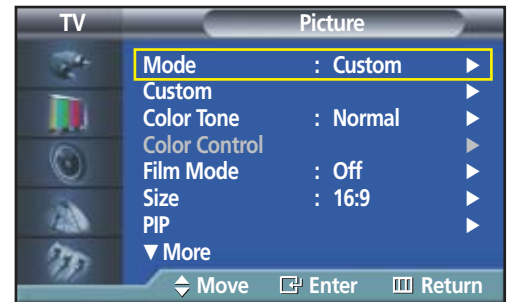
Note

- The PIP function operates in Wide screen.
- Using Multi-Screen in the Normal or Zoom screen will change the size of the main screen to Wide screen.

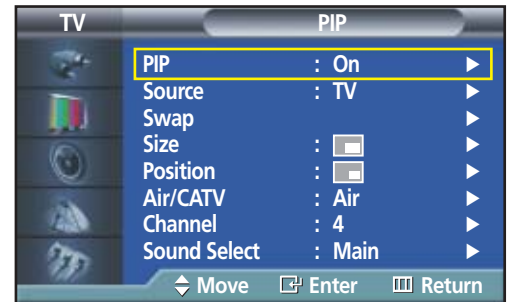
Swapping the Contents of the PIP Image and Main Image

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

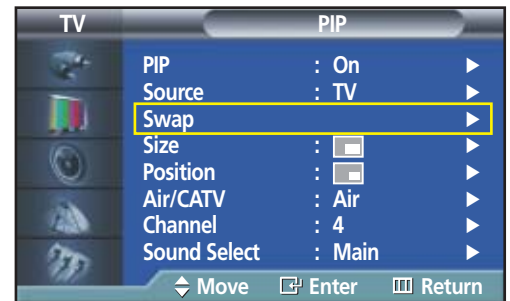
➤ Quick way to access swapping: Just press the "SWAP" button under the cover of the remote control.



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



- 3 Press the ▲ or ▼ button to select "Swap", then press the ENTER button.
 - The image in the PIP window will appear on the main screen, and vice versa.

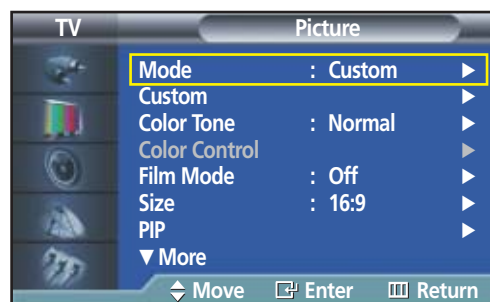


- 4 Press the MENU button to exit.

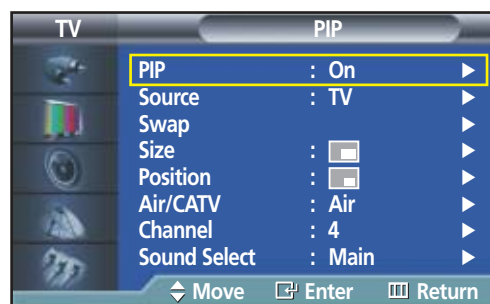
Changing the Size of the PIP Window

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

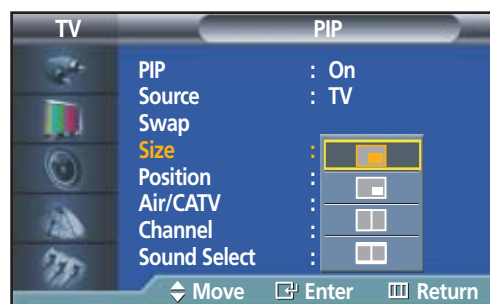
➤ Quick way to access PIP size: Just press the "SIZE" button under the cover of the remote control.



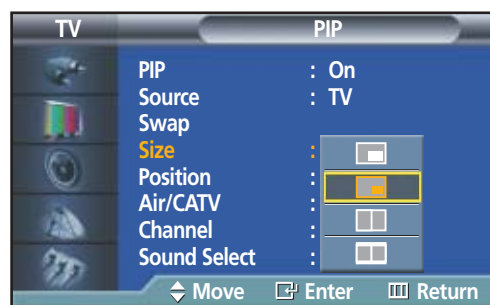
- 2 Press the ▲ or ▼ button to select "PIP", then press the ENTER button.



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



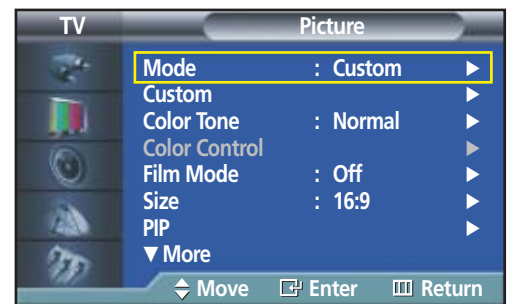
- 4 Press the ▲ or ▼ button to select option you want, then press the ENTER button.



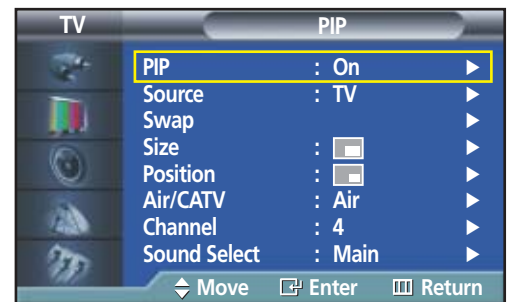
- 5 Press the MENU button to exit.

Changing the Location of the PIP Image

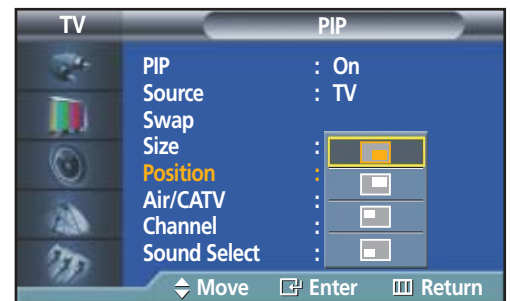
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



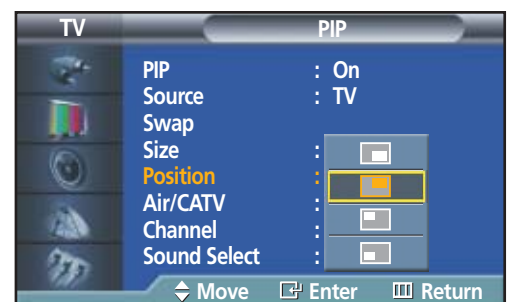
- 2 Press the ▲ or ▼ button to select "PIP", then press the ENTER button.



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



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



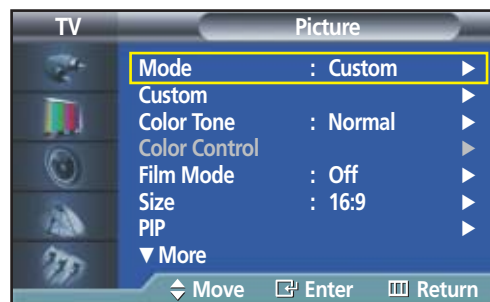
- 5 Press the MENU button to exit.



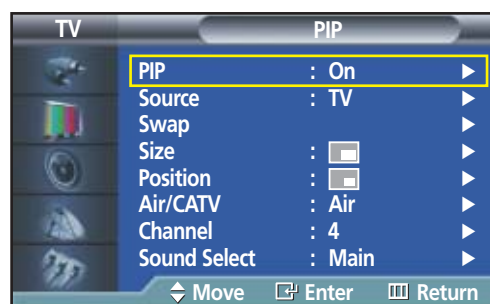
Selecting a Signal Source (Antenna or Cable) for PIP

If the PIP source is TV while PIP is ON, you can select the broadcasting source of PIP picture separately from the main picture.

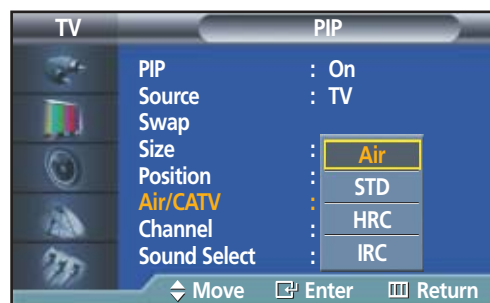
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



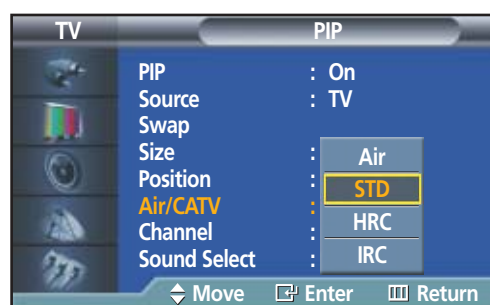
- 2 Press the ▲ or ▼ button to select "PIP", then press the ENTER button.



- 3 Press the ▲ or ▼ button to select "Air/CATV", then press the ENTER button.



- 4 If an antenna is connected, the setting is "Air". If a Cable TV system is providing the signal, press the ▲ or ▼ button until the appropriate type of cable system is selected ("STD", "HRC" or "IRC").

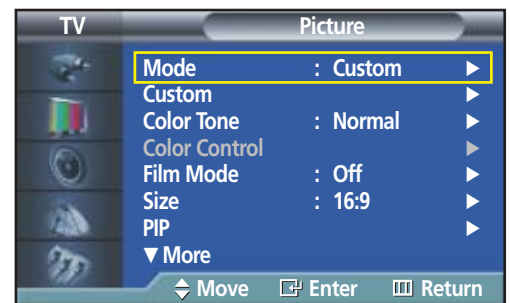


- 5 Press the MENU button to exit the menu.

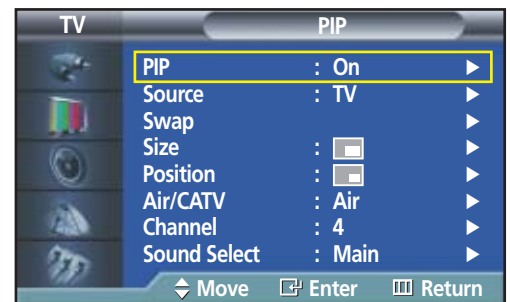
Changing the PIP Channel

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

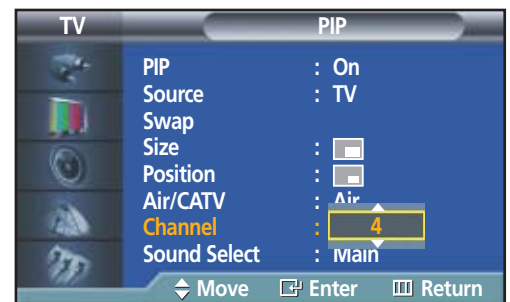
➤ Quick way to change the PIP channel: Just press the "CH ▲" or "CH ▼" button under the cover of the remote control.



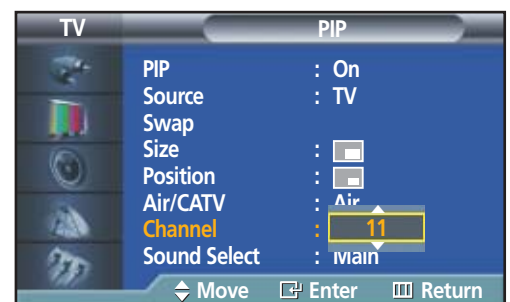
- 2 Press the ▲ or ▼ button to select "PIP", then press the ENTER button.



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



- 4 Press the ▲ or ▼ button to change the channel that appears in the PIP window.



- 5 Press the MENU button to exit.



Setting the MCC(My Control Color) Mode

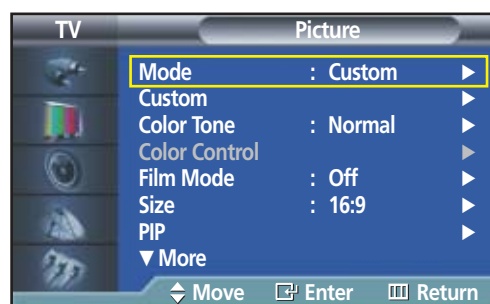
MCC (My Color Control) Modes:

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

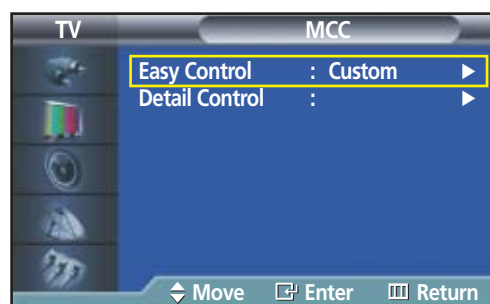
Using the MCC Function in the Easy Control Menu

Skin, sky and grass tones are easily adjustable to suit your preferences.

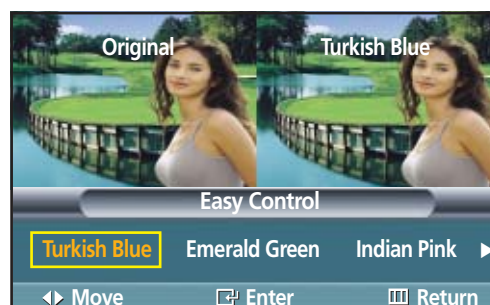
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



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

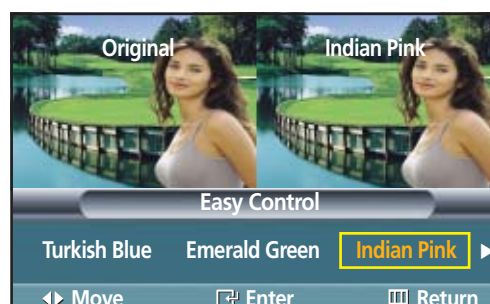


- 3 Press the ▲ or ▼ button to select "Easy Control", then press the ENTER button.



- 4 Press the ◀ or ▶ button to select among the various picture settings. The original picture (before adjustment) is shown on the left side, while the selected mode is shown on the right side.

➤ There are five MCC modes: Standard, Custom, Turkish Blue, Emerald Green and Indian Pink.



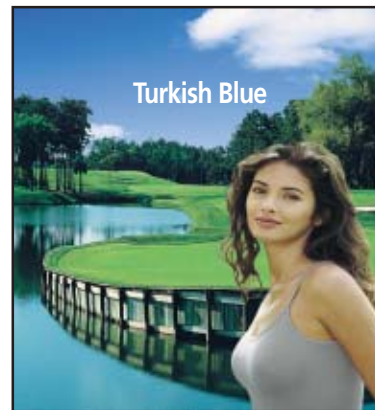
- 5 Press the MENU button to exit the menu.

MCC Mode Characteristics

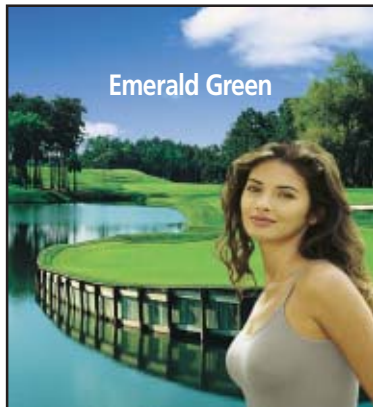
Using MCC Mode, you can enjoy the vivid colors as shown below.



➤ Standard Picture.



➤ Emphasizing Clear Blues.
Feel the clear sun shine on the blue Mediterranean sea.



➤ Emphasizing Mild Greens.
Feel the translucent, romantic turquoise sea.



➤ Emphasizing Warm Skin Colors.

Note

- Images shown above may differ from the actual adjustment on the screen.
These images are presented for illustrative purposes.

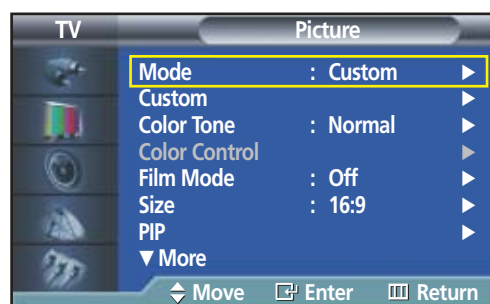


Setting the MCC(My Control Color) Mode

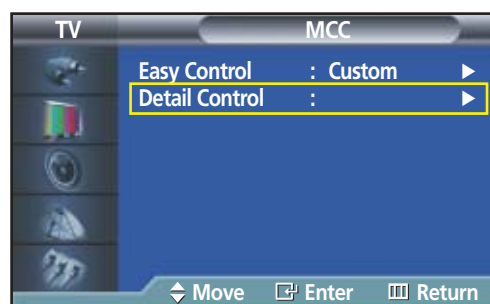
MCC Custom Settings

Users may set the 3 MCC colors (Skin, Sky, and Grass Tones).

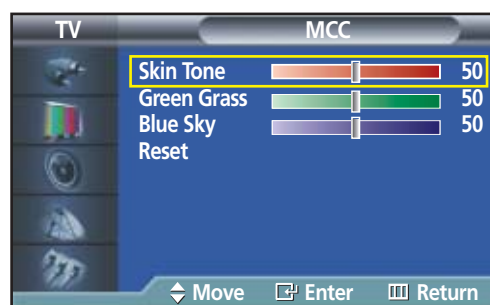
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



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



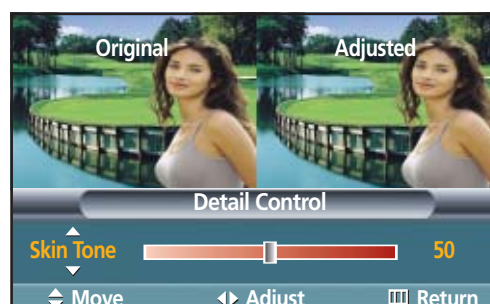
- 3 Press the ▲ or ▼ button to select "Detail Control", then press the ENTER button.



- 4 Press the ▲ or ▼ button to select the desired MCC color and then press the ENTER or ► button.

➤ The original picture (before adjustment) is shown on the left side, while the picture after adjustment is shown on the right side, and an adjustment bar on the bottom of the screen.

- 5 Press the ◀ or ▶ button to adjust the settings. Changing the adjustment value will refresh the adjusted screen. Press the ▲ or ▼ button to choose other MCC colors.

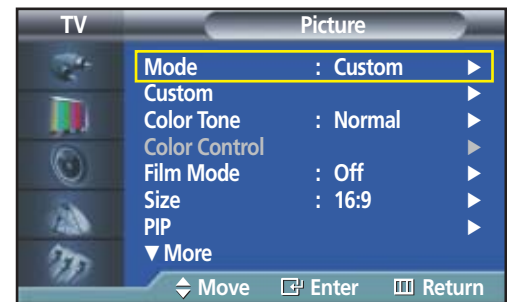


- 6 Press the ENTER or MENU button to confirm the changes and return to the previous menu.

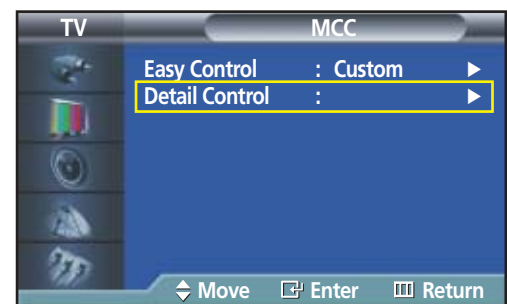
Resetting the MCC Colors to the Factory Defaults

To return to the factory default settings for MCC colors, use the Reset function.

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



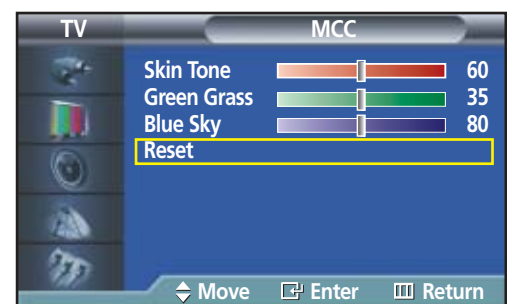
- 2 Press the ▲ or ▼ button to select "MCC", then press the ENTER button.



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



- 4 Press the ▲ or ▼ button to select "Reset" and press the ENTER button.



- 5 The previously adjusted MCC Colors will be reset to the factory defaults. (The default value for MCC colors is 50.)

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P L A S M A D I S P L A Y P A N E L

Sound Control

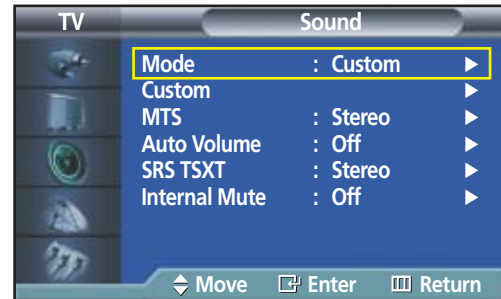


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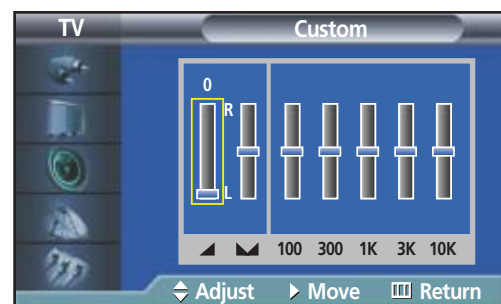


Customizing the Sound

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



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



- 3 Select the option (volume, balance, equalizer) to be adjusted by pressing the ◀ or ▶ button. Press the ▲ or ▼ button to reach the required setting.

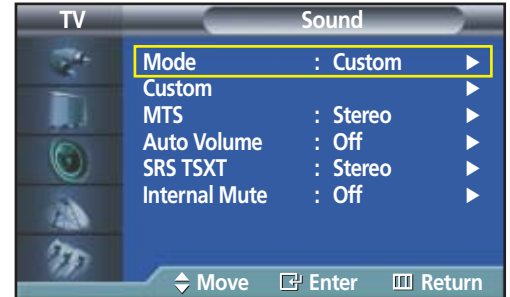
- 4 Press the MENU button to exit.

➤ If you make any changes to the equalizer settings, the sound Mode is automatically switched to the custom mode.

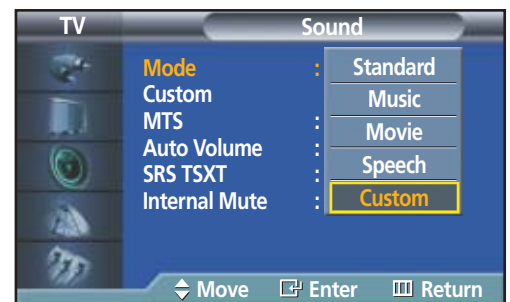


Using Automatic Sound Settings

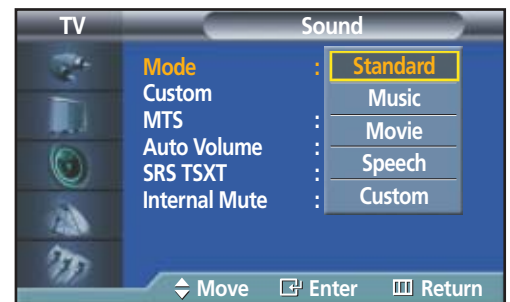
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.



- 2 Press the ENTER button to select "Mode".



- 3 Press the ▲ or ▼ button to select "Standard", "Music", "Movie", "Speech" or "Custom" sound setting, then press the ENTER button.



- 4 Press the MENU button to exit.

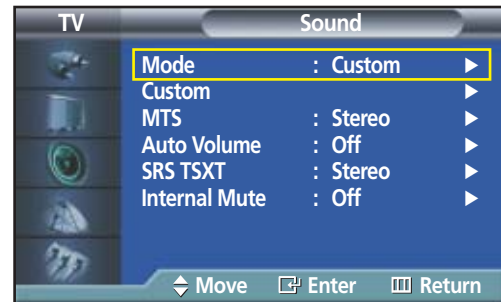


Choosing a Multi-Channel Sound (MTS) Soundtrack

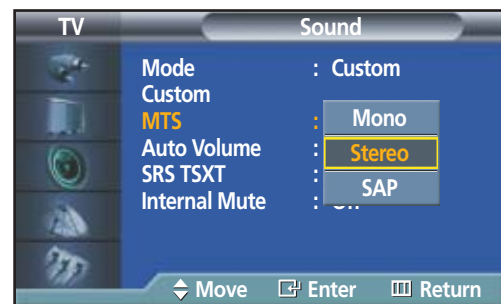
Depending on the particular program being broadcast, you can listen to stereo, mono, or a Separate Audio Program. (SAP audio is usually a foreign-language translation. Sometimes SAP has unrelated information like news or weather.)

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

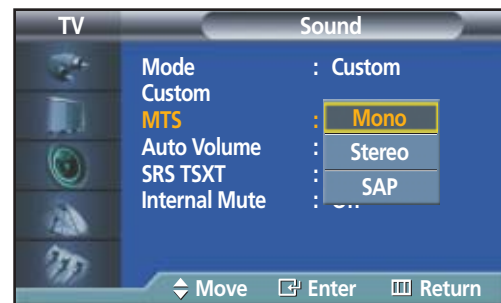
➤ Quick way to access the MTS menu: Just press the "MTS" button on the remote control.



- 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.



- 4 Press the MENU button to exit.

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

Note

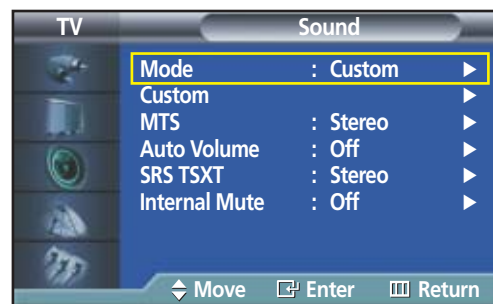
- The MTS function operates in TV mode only.



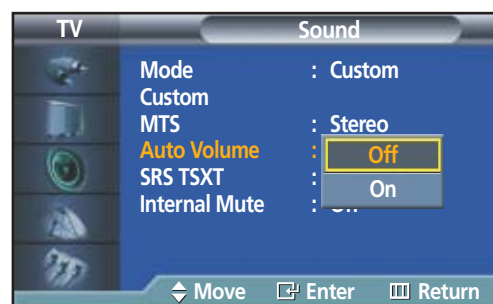
Using the Auto Volume

Each broadcasting station has its own signal conditions, which can make it necessary to adjust the volume every time the channel is changed. "Auto volume" lets you automatically adjust 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.

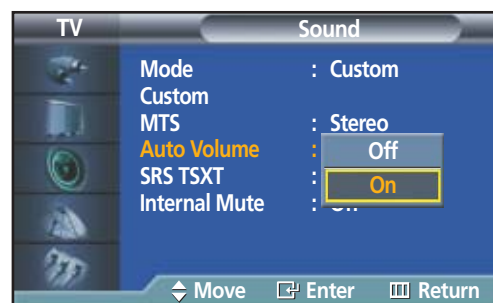
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.



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



- 3 Press the ▲ or ▼ button to select "On", then press the ENTER button.
 - Pressing the ▲ or ▼ button will alternate between "On" and "Off".



- 4 Press the MENU button to exit.

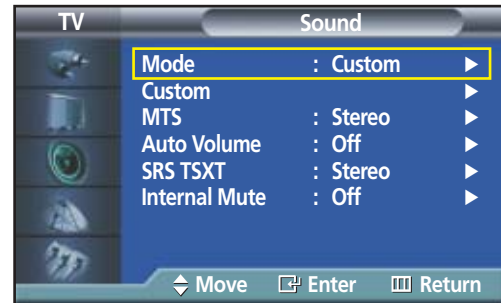


Setting the TruSurround XT

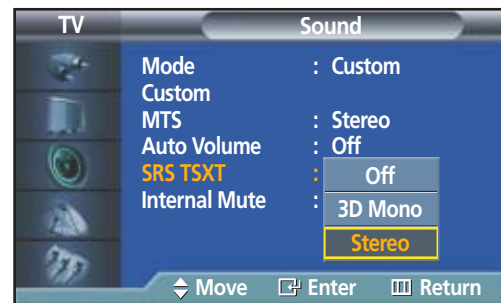
TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. Trusurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with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

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

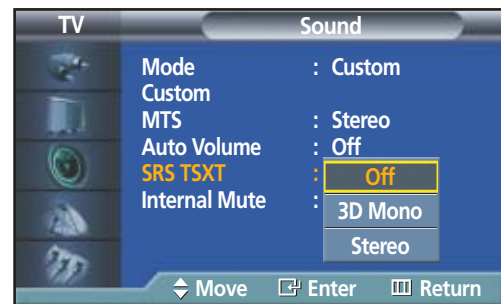
➤ Quick way to access the TruSurround XT menu: Just press the "SRS TSXT" button on the remote control.



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

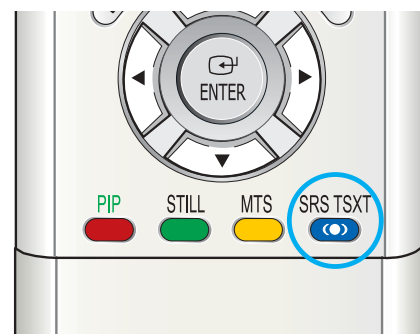


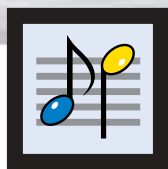
- 3 Press the ▲ or ▼ button to change the setting (Off, 3D Mono or Stereo), then press the ENTER button.



- 4 Press the MENU button to exit.

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

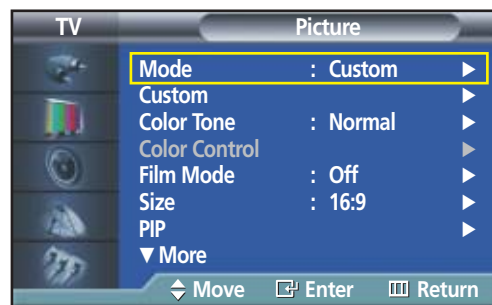




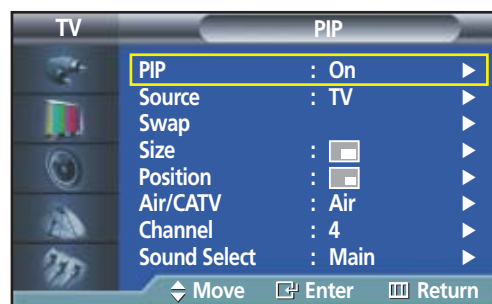
Listening to the Sound of the Sub(PIP) Picture

During the PIP feature is activating, you can listen to the sound of the sub picture.

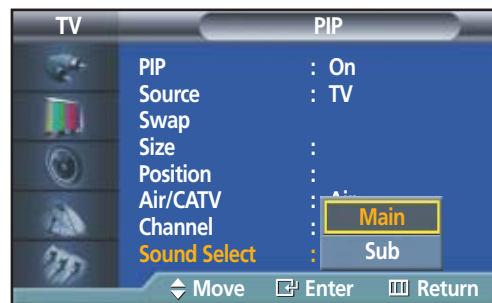
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



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

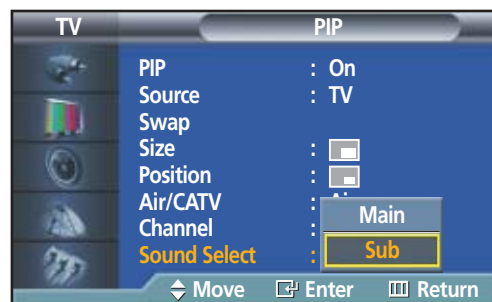


- 3 Press the ▲ or ▼ button to select "Sound Select", then press the ENTER button.
 - Pressing the ▲ or ▼ button will alternate between "Main" and "Sub".



- 4 Set to Sub by pressing the ▲ or ▼ button.
 - You can listen to the sound of the sub picture.

➤ To listen the sound of the main picture, set to Main.

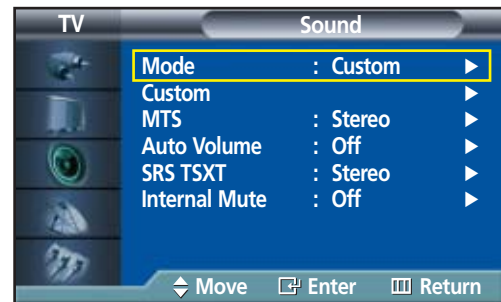




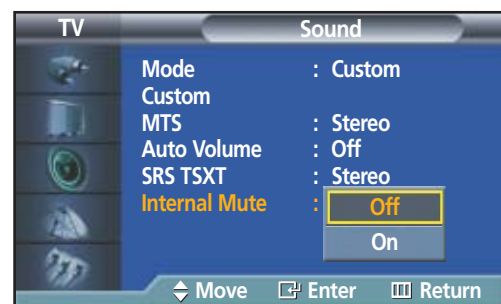
Selecting the Internal Mute

The internal speakers can be muted in order to hear sound from external speakers you've connected.

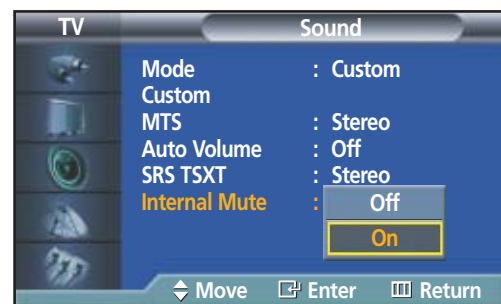
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.



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



- 3 Press the ▲ or ▼ button to select "On", then press the ENTER button.
 - Pressing the ▲ or ▼ button will alternate between "On" and "Off".



- 4 Press the MENU button to exit.

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P L A S M A D I S P L A Y P A N E L

Channel Control



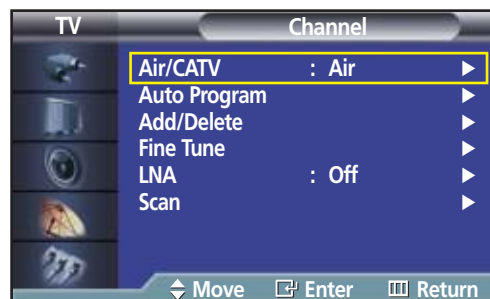
Fine Tuning Channels.....	68
LNA (Low Noise Amplifier)	69



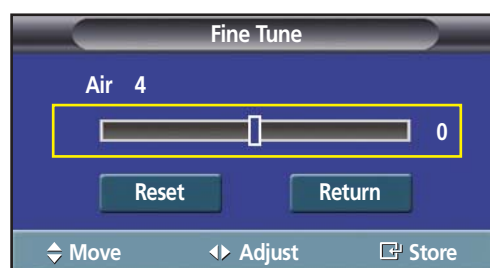
Fine Tuning Channels

Use fine tuning to manually adjust a particular channel for optimal reception.

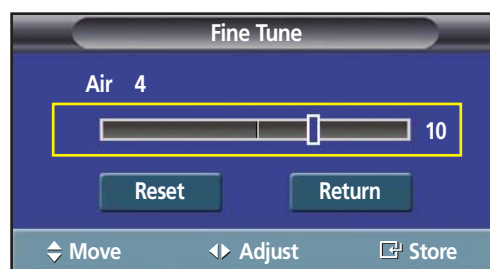
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Channel", then press the ENTER button.



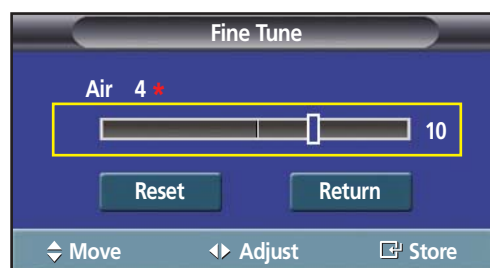
- 2 Press the ▲ or ▼ button to select "Fine Tune", then press the ENTER button.



- 3 Press the ◀ or ▶ button to adjust the fine tuning.



- 4 To store the fine tuning setting in the TV's memory, press the ENTER button. (A star icon(*) will appear.) To reset the fine tuning to "0", press the ▼ button to select "Reset", then press the ENTER button.



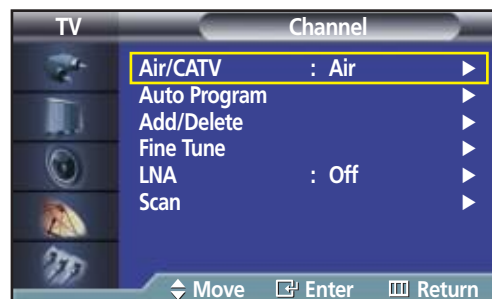
- 5 Press the MENU button to exit.



LNA (Low Noise Amplifier)

If the TV is operating in a weak-signal area, sometimes the LNA function can improve the reception (a low-noise preamplifier boosts the incoming signal).

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



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



- 3 Press the ▲ or ▼ button to select "On", then press the ENTER button.
 - Pressing the ▲ or ▼ button will alternate between "On" and "Off".



- 4 Press the MENU button to exit.

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P L A S M A D I S P L A Y P A N E L

Connecting a PC and Operation



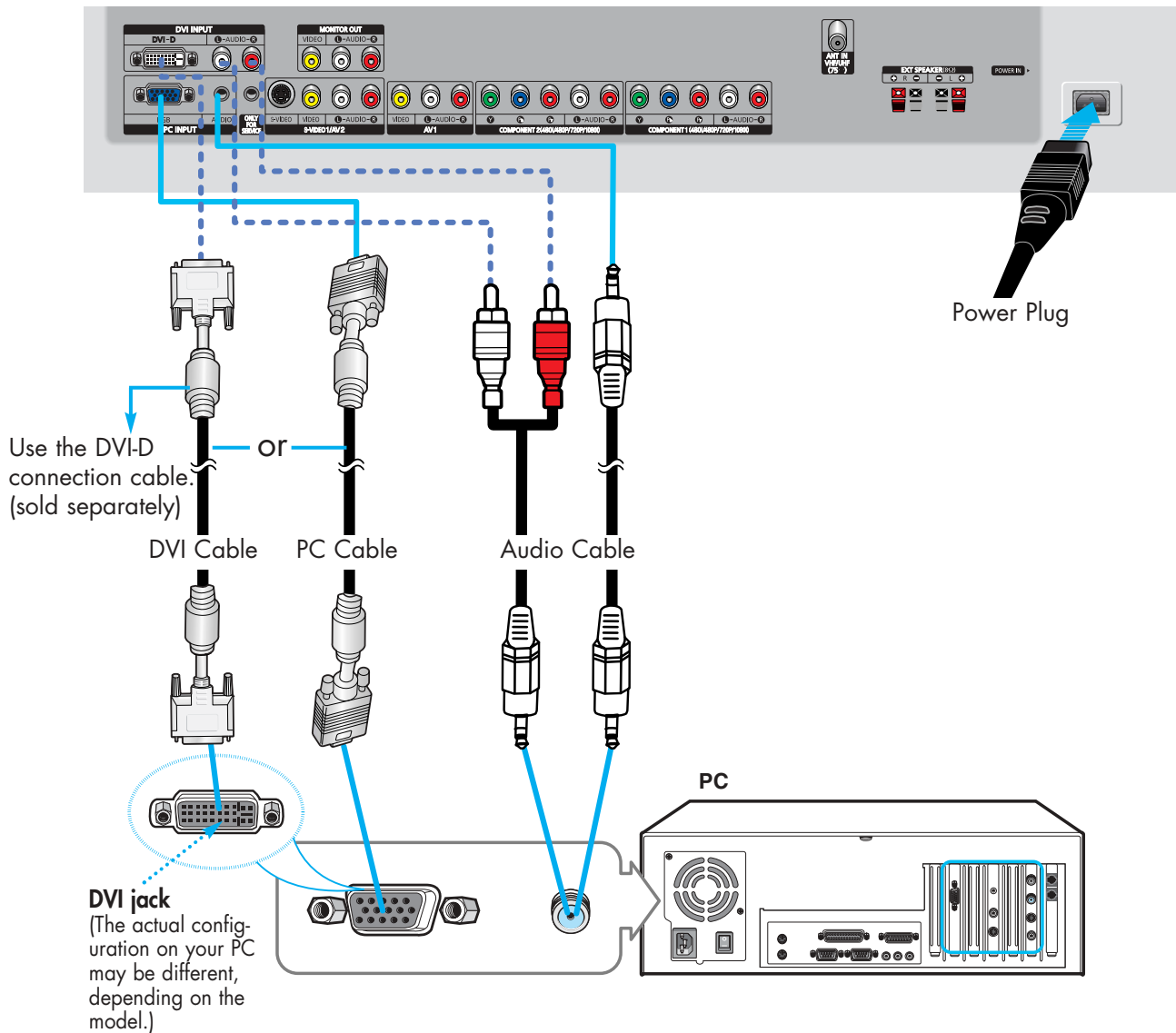
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Connecting a PC

Connection to a Macintosh computer may require an adapter.

PDP



Connecting a PC to the PDP

- 1 Connect a PC (15pin) cable between the PC Output jack (or DVI jack) on the PC and the RGB IN(or DVI IN) Input jack (15p D-SUB) on the PDP.
- 2 Connect a Audio cable between the Audio (RGB or DVI) on the PC and the Audio L/R (RGB or DVI) input jacks on the PDP.

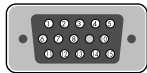
To watch the PC screen:

1. Turn on your PDP
2. Press the TV/VIDEO button on the remote control or SOURCE button on the front panel to select "PC".
3. Turn on PC and check for PC system requirements. (Refer to pages 74 and 75 for PC system requirements.)
4. Adjust the PC screen. (Refer to pages 76 and 78.)

Pin Configuration

D-Sub Cable

- 15Pin Signal Cable (based on protruded pin)



Pin No.	PC IN	PC OUT
1	Red (R)	Red (R)
2	Green (G)	Green (G)
3	Blue (B)	Blue (B)
4	Grounding	Grounding
5	Grounding (DDC)	Grounding (DDC)
6	Red (R) Grounding	Red (R) Grounding
7	Green (G) Grounding	Green (G) Grounding
8	Blue (B) Grounding	Blue (B) Grounding
9	Reserved	Reserved
10	Sync Grounding	Sync Grounding
11	Grounding	Grounding
12	Data (DDC)	Data (DDC)
13	Horizontal sync.	Horizontal sync.
14	Vertical sync.	Vertical sync.
15	Clock (DDC)	Clock (DDC)

DVI-D Cable (Digital-Only Connector)



Pin No.	Signal Assignment	Pin No.	Signal Assignment
1	T.M.D.S. Data2-	13	T.M.D.S. Data3+
2	T.M.D.S. Data2+	14	+5V Power
3	T.M.D.S. Data2/4 Shield	15	Ground (for +5V)
4	T.M.D.S. Data4-	16	Hot Plug Detect
5	T.M.D.S. Data4+	17	T.M.D.S. Data0-
6	DDC Clock	18	T.M.D.S. Data0+
7	DDC Data	19	T.M.D.S. Data0/5 Shield
8	No Connect	20	T.M.D.S. Data5-
9	T.M.D.S. Data1-	21	T.M.D.S. Data5+
10	T.M.D.S. Data1+	22	T.M.D.S. Clock Shield
11	T.M.D.S. Data1/3 Shield	23	T.M.D.S. Clock+
12	T.M.D.S. Data3-	24	T.M.D.S. Clock-

Setting up Your PDP (Plug and Play)

Our adoption of the new VESA® Plug and Play solution eliminates complicated and time consuming setup. It allows you to install your monitor in a Plug and Play compatible system, without the usual setup hassles and confusion. Your PC system can easily identify and configure itself for use with your display. This monitor automatically tells the PC system its Extended Display Identification data (EDID) using Display Data Channel (DDC) protocols.

How to Set up Your PC Software (Windows only)

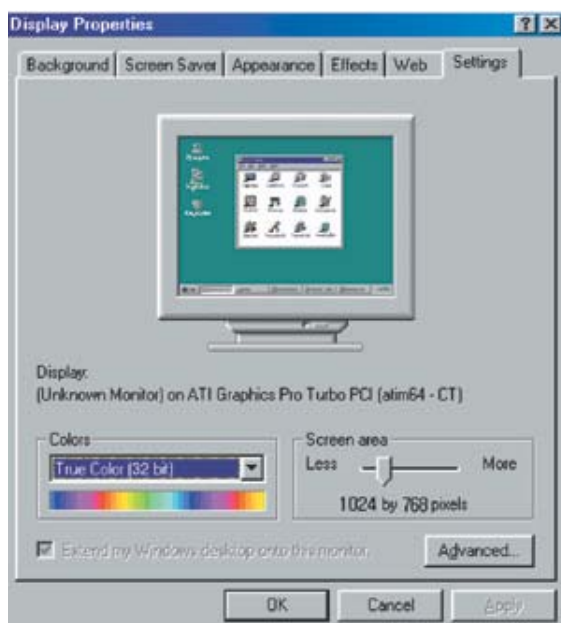
The Windows display-settings for a typical computer are shown below. However, the actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. But even if your actual screens look different, the same, basic set-up information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



On the windows screen, select in the following sequence : Start → Settings → Control Panel.



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



Select the "Settings" tab in the display dialog-box.

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

- Size (sometimes called "resolution") : 1204 x 768 pixels.
- Color: "32-bit" color
Shown at left is a typical screen for "Display" dialog box.

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...

Notes:

Both screen position and size will vary, depending on the type of PC monitor and its resolution. The table below shows all of the display modes that are supported:

Video Signal	Resolution (Dot X Line)	Vertical Frequency(Hz)	Horizontal Frequency(KHz)	Vertical Polarity	Horizontal Polarity
IBM PC / AT Compatible	640 X 350	70.086	31.469	N	P
		85.080	37.861	N	P
	640 X 400	85.080	37.861	P	N
	720 X 400	70.087	31.469	P	N
		85.039	37.927	P	N
	640 X 480	59.940	31.469	N	N
		72.809	37.861	N	N
		75.000	37.500	N	N
		85.061	43.269	N	N
	800 X 600	56.250	35.156	N/P	N/P
		60.317	37.897	P	P
		72.188	48.077	P	P
		75.000	46.875	P	P
		85.061	53.674	P	P
	848 X 480	60.000	29.838	nVidia chipset	
		72.000	36.072		
		75.000	37.650		
	1024 X 768	60.004	48.363	N	N
		70.069	56.476	N	N
		75.029	60.023	P	P
		84.997	63.677	P	P

- The interlace mode is not supported.
- The PDP operates abnormally if a non-standard video format is selected.
- This sheet conforms to IBM/VESA regulations and is prepared on the basis of Analog Input.
- The DVI Mode is supported same as above table.

Notes:

- When this PDP is used as a PC display, 32-bit color is supported.
- Depending on the manufacturer, your PC display screen might appear different. (and depending on your particular version of Windows.)
Check your PC instruction book for information about connecting your PC to a PDP.
- If a vertical and horizontal frequency-select mode exists, select 60Hz (vertical) and 48.4kHz (horizontal).
- In some cases, abnormal signals (such as stripes) might appear on the screen when the PC power is turned off (or if the PC is disconnected). If so, press the TV/VIDEO button on the remote control or SOURCE button on the front panel to enter the VIDEO mode. Also, make sure that the PC is connected.
- Connect only a PC monitor to the monitor output port while viewing the PC screen. (Otherwise, random signals might appear).



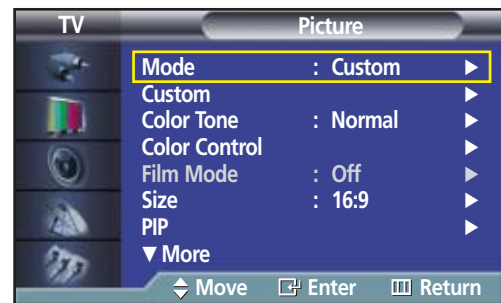
Adjusting the PC Screen

Adjusting the R.G.B

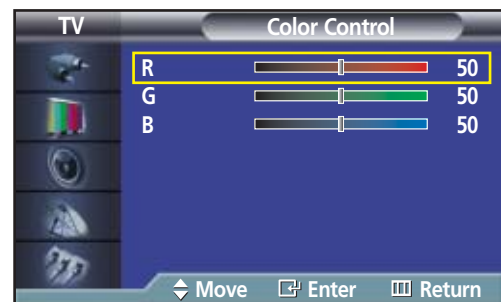
Preset:

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

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



2 Press the ▲ or ▼ button to select "Color Control", then press the ENTER button.
The "Color Control" is available only when "Color Tone" is set in the custom mode.



3 Press the ▲ or ▼ button to select the item you want to change, then press the ENTER button.
Press the ◀ or ▶ button to change the value of the item, using the on-screen gauge as your guide.



4 Press the MENU button to exit.



Plasma Display

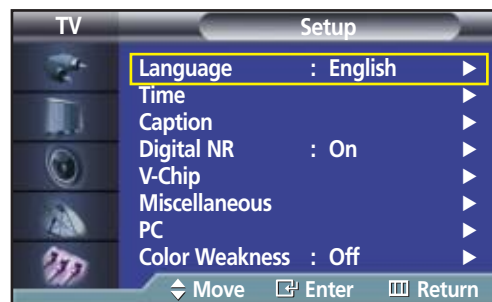
Changing the Position of the Image

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

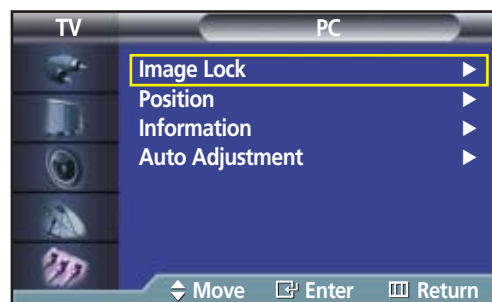
Preset:

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

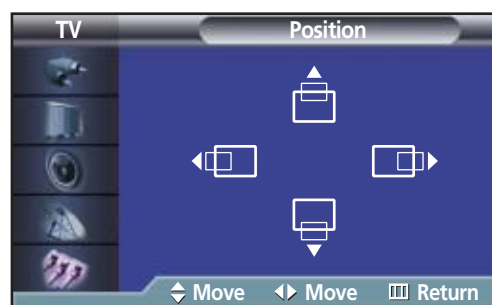
1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



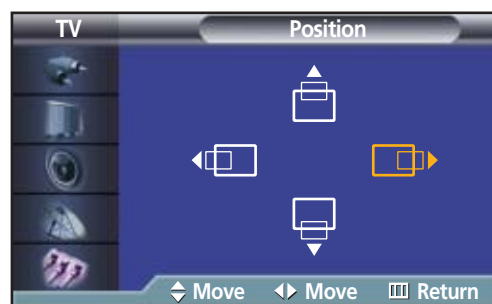
2 Press the ▲ or ▼ button to select "PC", then press the ENTER button.



3 Press the ENTER button to select "Position".



4 Adjust the position of screen by pressing the ▲ / ▼ / ◀ / ▶ button.



5 Press the MENU button to exit.



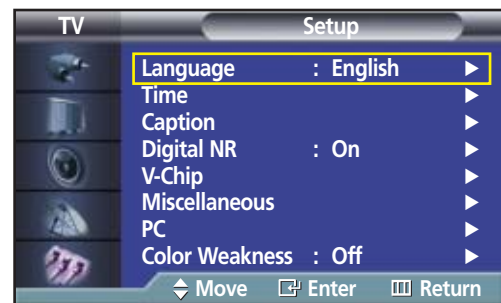
Picture Quality Adjustment

Picture Automatic Adjustment

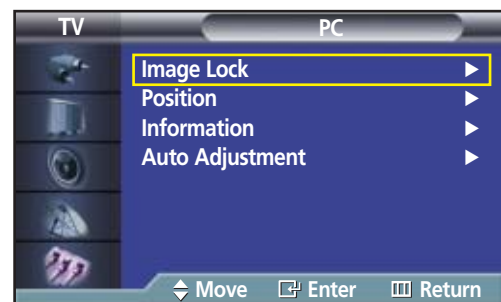
Preset:

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

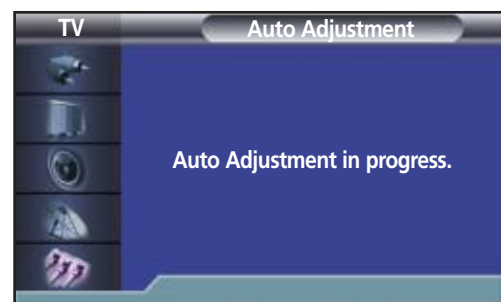
1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



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



3 Press the ▲ or ▼ button to select "Auto Adjustment", then press the ENTER button. The message "Auto Adjustment in progress." appears on the screen and the picture adjustments are automatically activated.



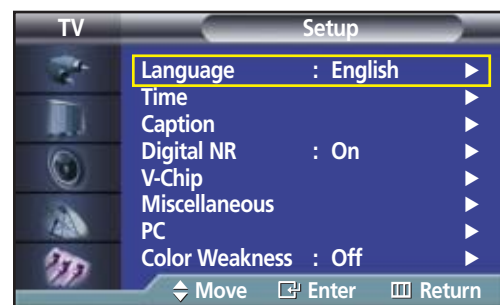
4 Press the MENU button to exit.

Coarse Adjustment

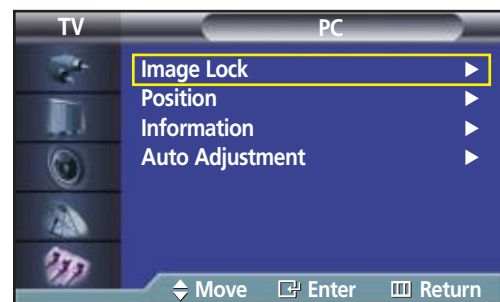
Preset:

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

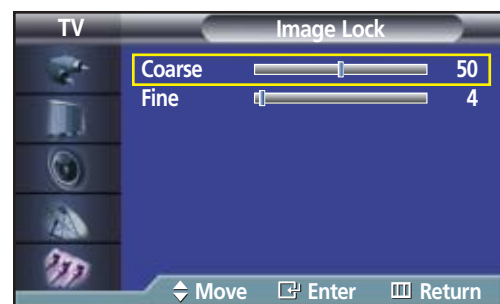
1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



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



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



4 Press the ENTER button to select "Coarse".
Remove picture noise (vertical stripes) on the screen by pressing the ◀ or ▶ button. (If Coarse is not set properly, vertical stripes will appear on the screen.)



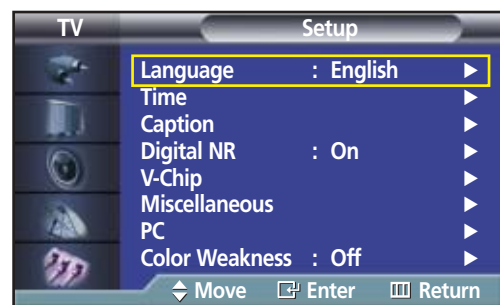
5 Press the MENU button to exit.

Fine Tuning (Fine)

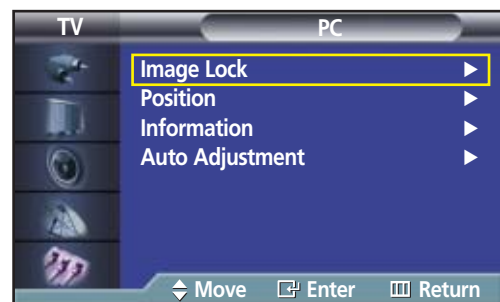
Preset:

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

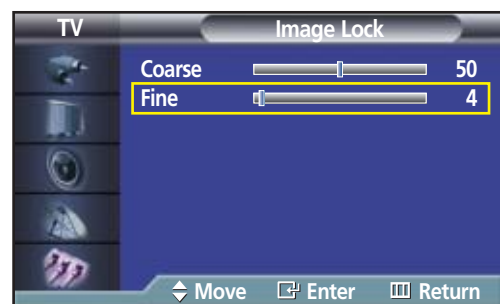
1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



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



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



4 Press the ▲ or ▼ button to select "Fine", then press the ENTER button. Remove picture noise on the screen by pressing the ◀ or ▶ button. (If Fine is not set properly, noise will appear on the screen.)



5 Press the MENU button to exit.



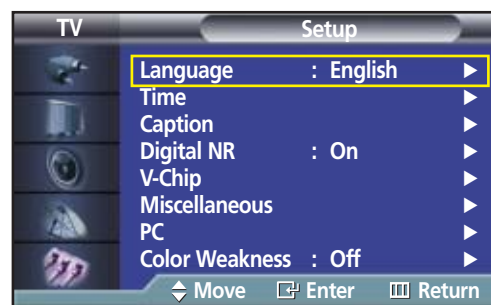
Plasma Display

Information

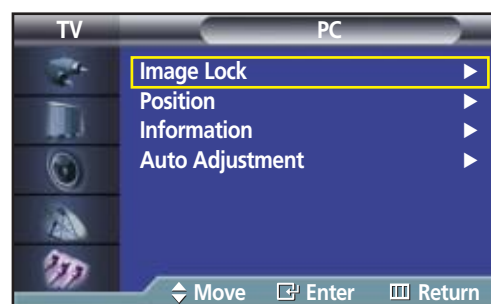
Preset:

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

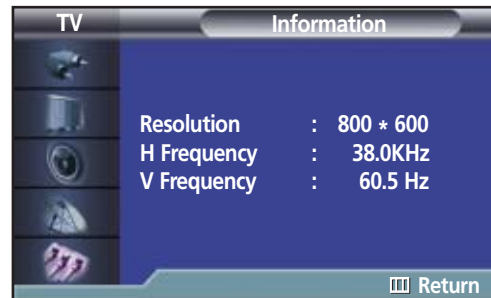
1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



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



3 Press the ▲ or ▼ button to select "Information", then press the ENTER button. The vertical, horizontal frequencies and resolution appear.

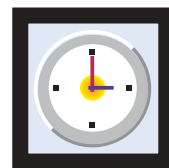


4 Press the MENU button to exit.

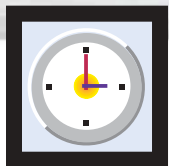
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P L A S M A D I S P L A Y P A N E L

Time Setting

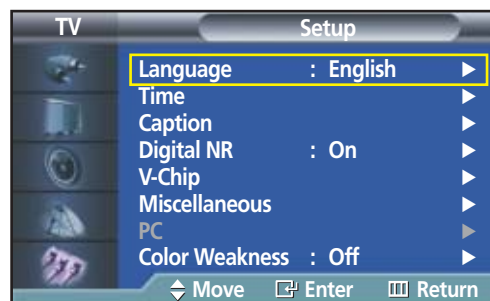


Setting the Clock	84
Setting the Sleep Timer	85
Setting the Timers	86

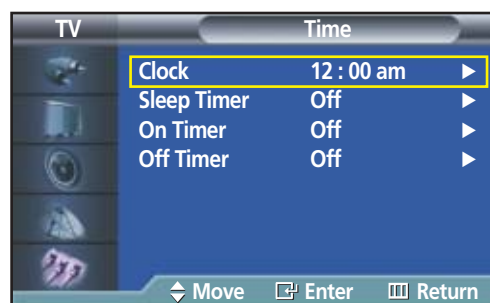


Setting the Clock

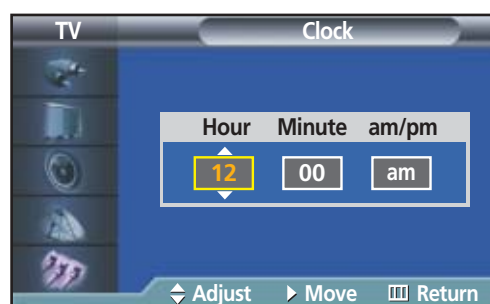
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



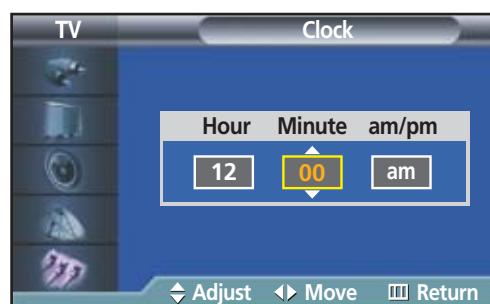
- 2 Press the ▲ or ▼ button to select "Time", then press the ENTER button.



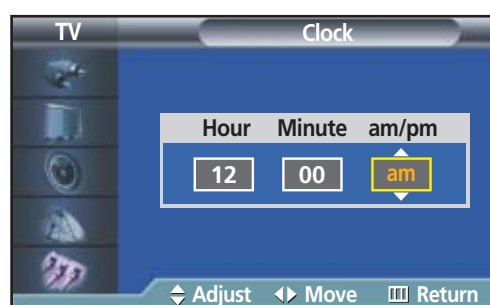
- 3 Press the ENTER button to select "Clock". Press the ENTER button to select "Hour", then press the ▲ or ▼ button to select correct hour.



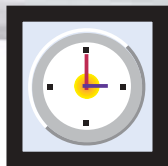
- 4 Press the ► button to select "Minute", then press the ▲ or ▼ button to select correct minute.



- 5 Press the ► button to select "am/pm", then press the ▲ or ▼ button to select the proper time of day (am or pm).



- 6 Press the MENU button to exit.



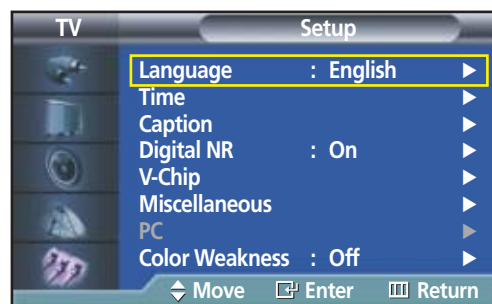
Plasma Display

Setting the Sleep Timer

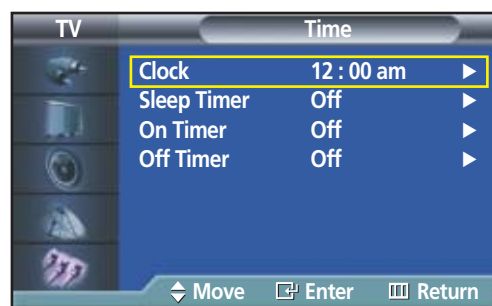
You can set your PDP to automatically turn off after a preset interval.

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

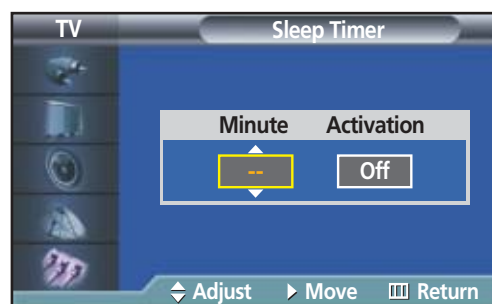
➤ Quick way to access the sleep timer setting: Just press the "SLEEP" button on the remote control.



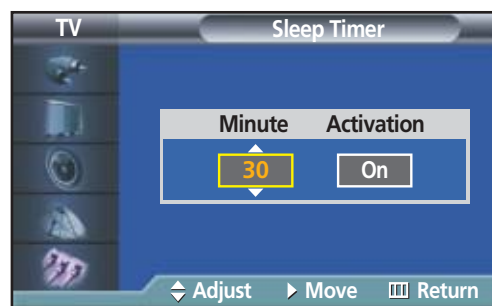
- 2 Press the ▲ or ▼ button to select "Time", then press the ENTER button.



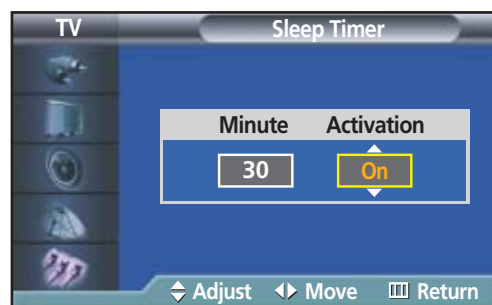
- 3 Press the ▲ or ▼ button to select "Sleep Timer", then press the ENTER button.



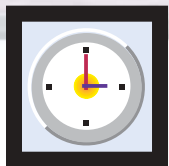
- 4 Press the ▲ or ▼ button to select the time interval for the PDP to stay on. The interval ranges from 30 to 180 minutes.



- 5 Press the ► button to select "Activation", then press the ▲ or ▼ button to select "On" or "Off".



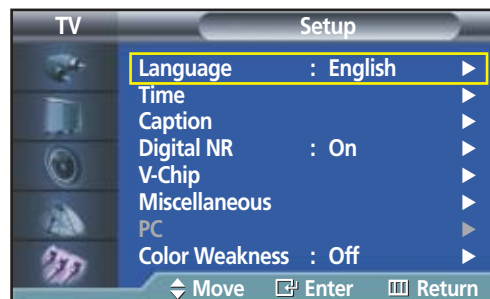
- 6 Press the MENU button to exit.



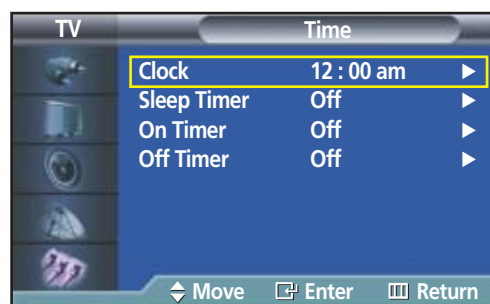
Setting the Timers

This PDP can be set to turn on or off automatically at specific times that you choose. Before using the timers, you must set the PDP's clock, as described previously.

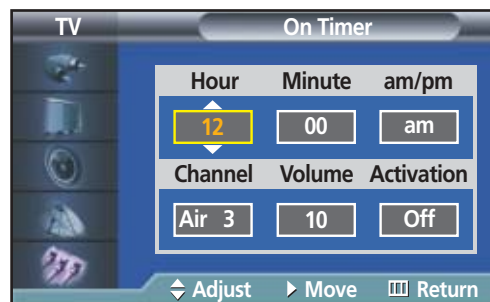
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



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



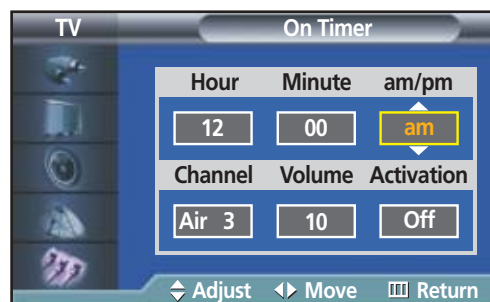
- 3 Press the ▲ or ▼ button to select "On Timer". Press the ENTER button to select "Hour", then press the ▲ or ▼ button to select correct hour.



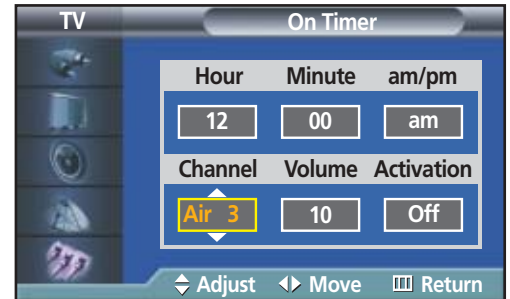
- 4 Press the ► button to select "Minute", then press the ▲ or ▼ button to select correct minute.



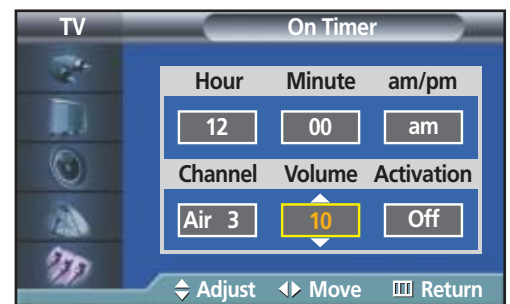
- 5 Press the ► button to select "am/pm", then press the ▲ or ▼ button to select the proper time of day (am or pm).



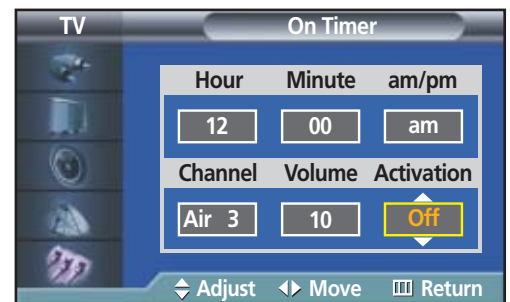
- 6 Press the ► button to select "Channel", then press the ▲ or ▼ button to select the channel you want when PDP turns on.



- 7 Press the ► button to select "Volume", then press the ▲ or ▼ button to select the volume level you want when PDP turns on.



- 8 Press the ► button to select "Activation", then press the ▲ or ▼ button to select "On" or "Off".



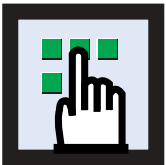
- 9 If you want to set Off Time, press the ▲ or ▼ button to select "Off Time". Set the "Off Time" just as you set "On Time".

- 10 Press the MENU button to exit.

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P L A S M A D I S P L A Y P A N E L

Function Description

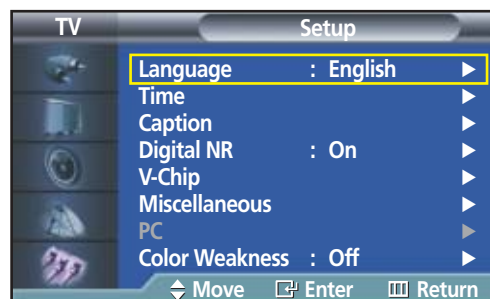


Selecting a Menu Language	90
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Using the V-Chip	98

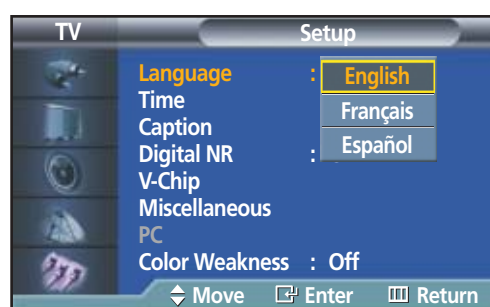


Selecting a Menu Language

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



- 2 Press the ENTER button to select "Language".



- 3 Press the ▲ or ▼ button to select the appropriate language: "English", "Français" or "Español".



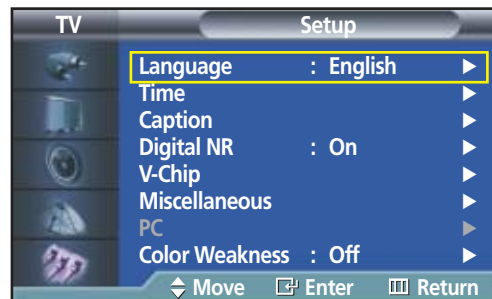
- 4 Press the MENU button to exit.



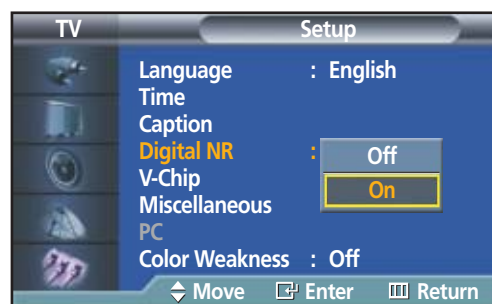
Digital Noise Reduction

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.

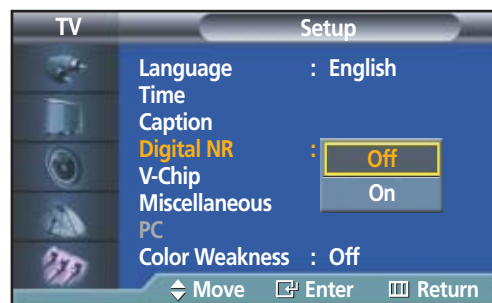
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



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



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



- 4 Press the MENU button to exit.

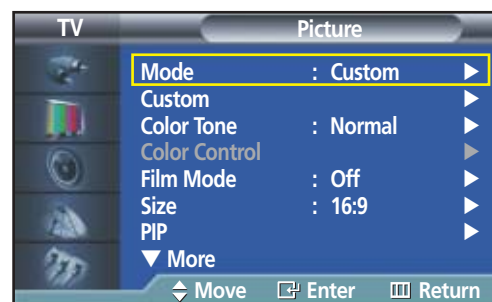


Selecting the Film Mode

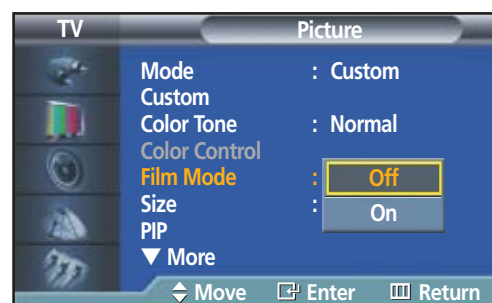
On: Automatically senses and processes film signals from all sources and adjusts the picture for optimum quality.

Off: Switches off the Film mode.

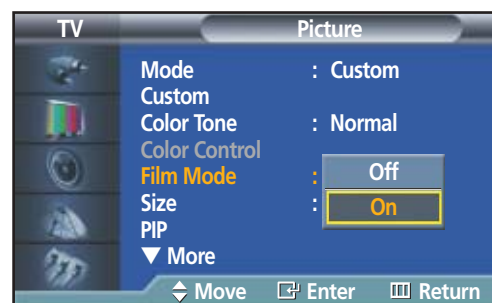
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



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



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



- 4 Press the MENU button to exit.

Note

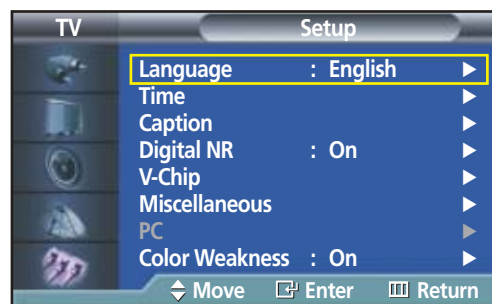
- Film mode is supported in TV, VIDEO, S-VIDEO and COMPONENT 480i.



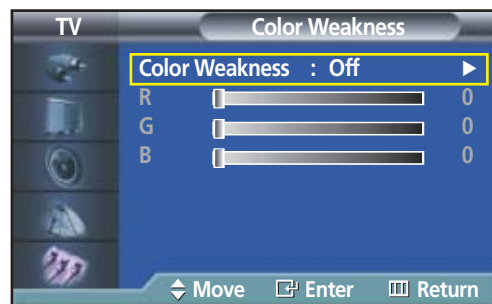
Using the Color Weakness Enhancement Option

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

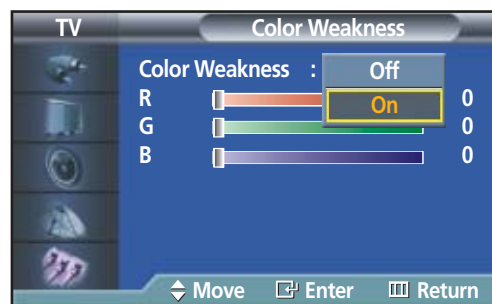
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



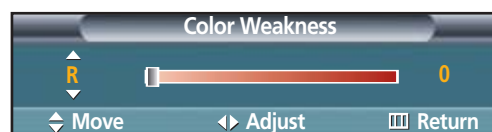
- 2 Press the ▲ or ▼ button to select "Color Weakness", then press the ENTER button.



- 3 Press the ENTER button to select "On", then press the ENTER button. You will also see the items "R", "G", and "B".
 - Pressing the ▲ or ▼ button will alternate between "On" and "Off".



- 4 Press the ▲ or ▼ button to select the item you wish to change, then press the ENTER button. Press the ◀ or ▶ button to change the value of the item.



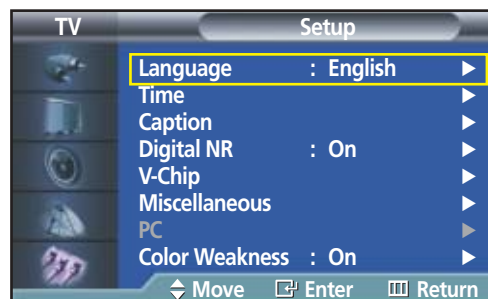
- 5 Press the MENU button to exit.



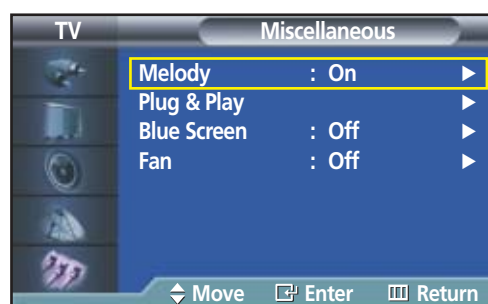
Setting the Melody Sound

You can hear clear melody sound when the television is powered on or off.

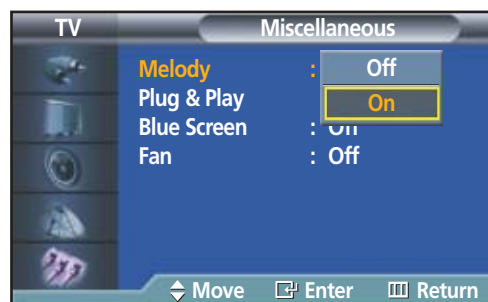
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



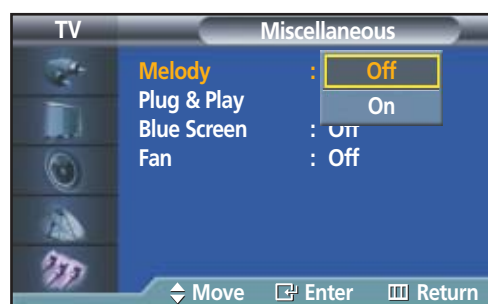
- 2 Press the ▲ or ▼ button to select "Miscellaneous", then press the ENTER button.



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



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



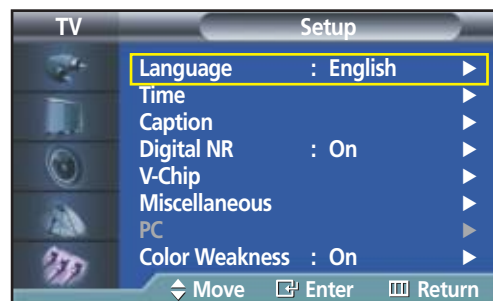
- 5 Press the MENU button to exit.



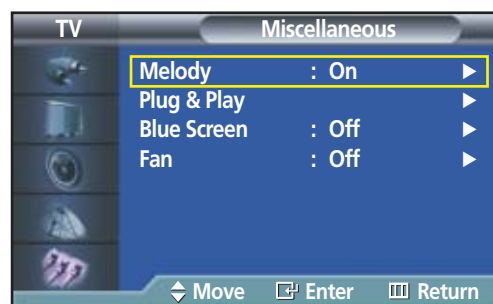
Setting the Blue Screen

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".

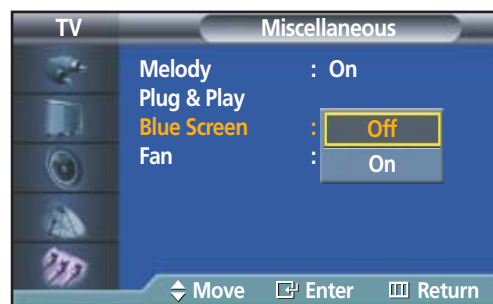
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



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

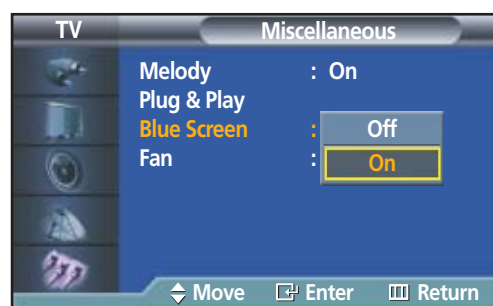


- 3 Press the ▲ or ▼ button to select "Blue Screen", Press the ENTER button.



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

➤ Blue Screen is displayed when there is no signal from an external device in the External Mode, regardless of the Blue Screen Setting.



- 5 Press the MENU button to exit.

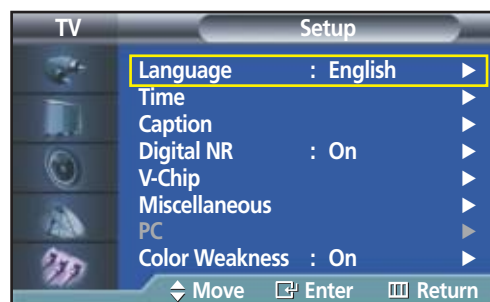


Selecting the Fan

Operates or stops the TV's internal Fan.

What is the Fan : Fans inside the TV are used to reduce the temperature of the tops and the front of the TV. To reduce the noise of the fan, you may stop the fan by setting the Fan to "Off". The temperature of the top and the front of the TV may increase when you watch the TV for a long period of time while the fan is stopped, but the TV will operate normally.

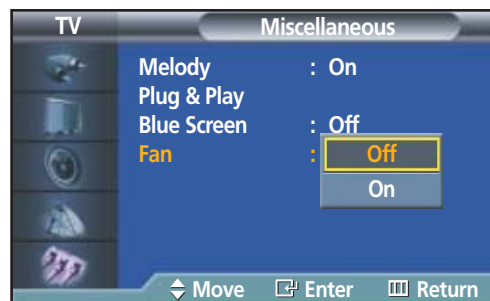
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



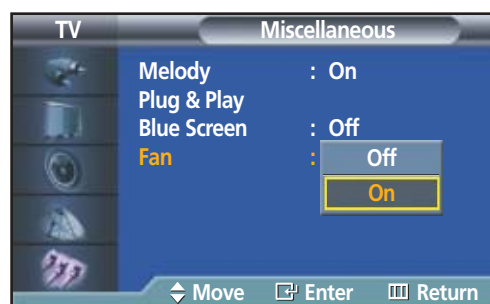
- 2 Press the ▲ or ▼ button to select "Miscellaneous", then press the ENTER button.



- 3 Press the ▲ or ▼ button to select "Fan", then Press the ENTER button.



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



- 5 Press the MENU button to exit.

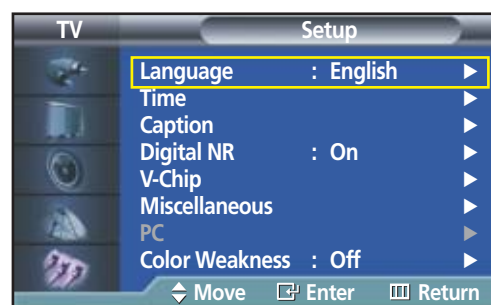


Viewing Closed Captions

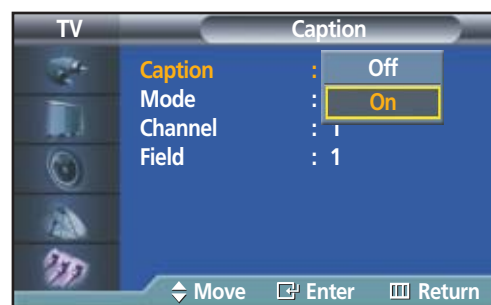
Your TV decodes and displays the closed captions that are broadcast with certain TV shows. These captions are usually subtitles for the hearing impaired or foreign language translations. All VCRs record the closed caption signal from television programs, so home-recorded video tapes also provide closed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

Note: The Caption feature does not work with DVD or DTV signals.

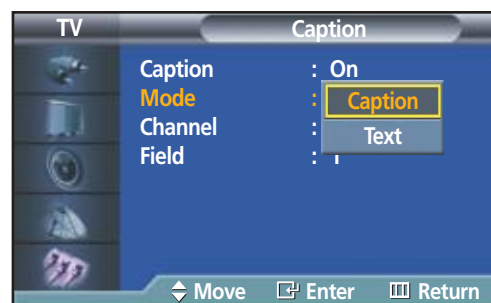
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button. Press the ▲ or ▼ button to select "Caption", then press the ENTER button.



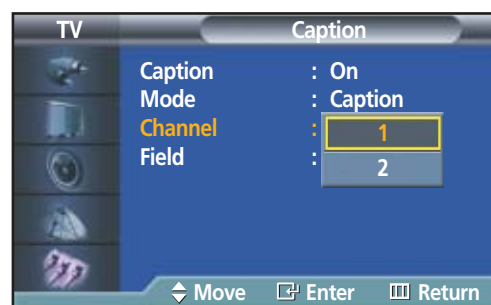
- 2 Press the ENTER button to select "Caption". Press the ▲ or ▼ button to turn closed caption on/off, then press the ENTER button.



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



- 4 Depending on the particular broadcast, it might be necessary to make changes to "Channel" and "Field": Press the ▲ / ▼ / ◀ / ▶ button to make the changes. (Follow the same procedure as in steps 3 above.)



- 5 Press the MENU button to exit.

Note

- 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.)



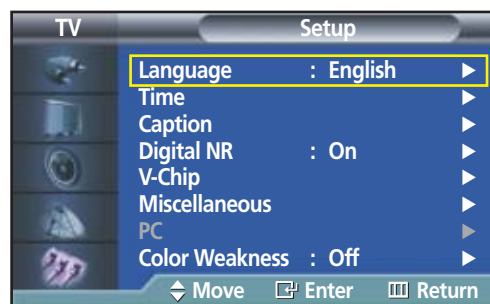
Using the V-Chip

The V-Chip feature automatically locks out programs that are deemed inappropriate for children. The user must enter a PIN (personal ID number) before any of the V-Chip restrictions are set up or changed.

Note: When the V-chip feature is activated, the PIP and auto channel program features do not function.

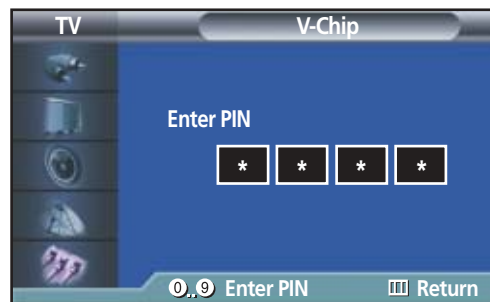
Setting Up Your Personal ID Number (PIN)

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

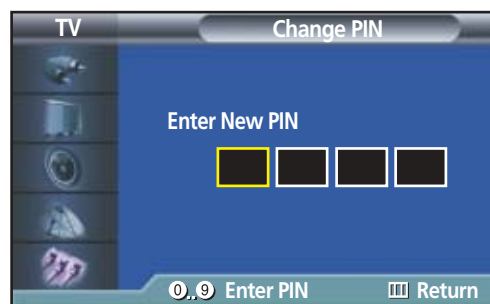


- 2 Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button. The message "Enter PIN" will appear. Enter your 4 digit PIN number.

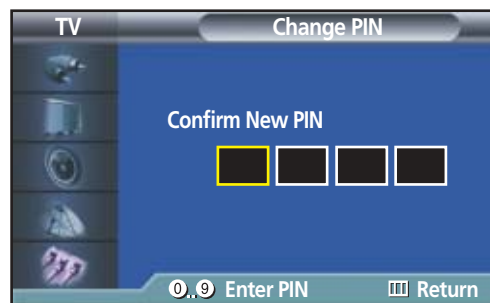
Note: The default PIN number of a new TV set is "0-0-0-0".



- 3 The "V-Chip" screen will appear. Press the ▲ or ▼ button to select "Change PIN", then press the ENTER button.



- 4 The Change PIN screen will appear. Choose any 4 digits for your PIN and enter them. As soon as the 4 digits are entered, the "Confirm New PIN" screen appears. Re-enter the same 4 digits. When the Confirm screen disappears, your PIN has been memorized.



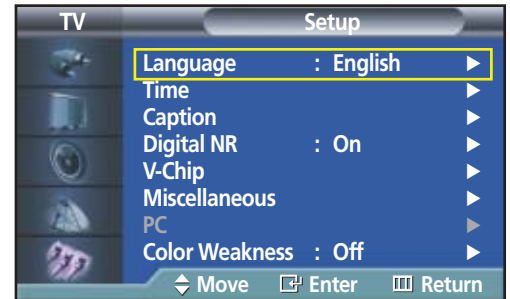
- 5 Press the MENU button to exit.

Note

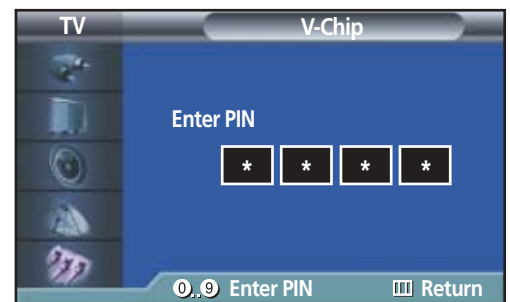
- If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to 0-0-0-0 : Power Off. → Mute → 8 → 2 → 4 → Power On.

How to Enable/Disable the V-Chip

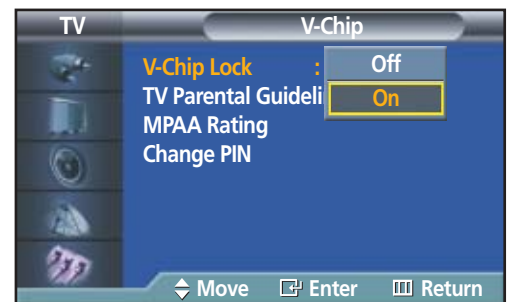
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



- 2 Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button. The message "Enter PIN" will appear. Enter your 4 digit PIN number.



- 3 The "V-Chip" screen will appear. To enable the V-Chip feature, press the ENTER button so that the "V-Chip Lock" field is "On". (Pressing the ▲ or ▼ button will alternate between "On" and "Off".)

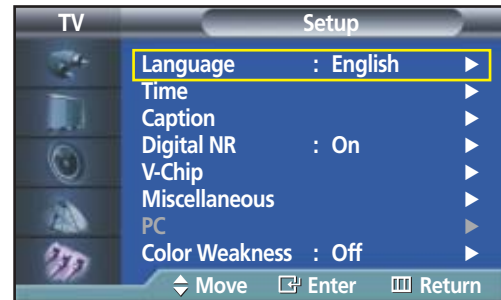


- 4 Press the MENU button to exit.

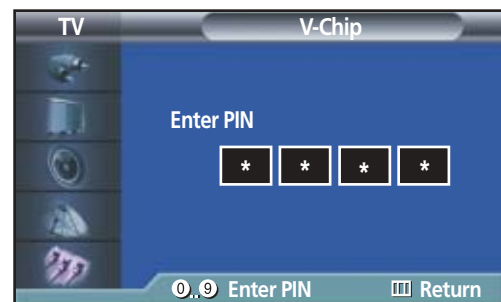
How to Set up Restrictions using the "TV guidelines"

First, set up a personal identification number (PIN), and enable the V-Chip. (See previous section.) Parental restrictions can be set up using either of two methods: The TV guidelines or the MPAA rating.

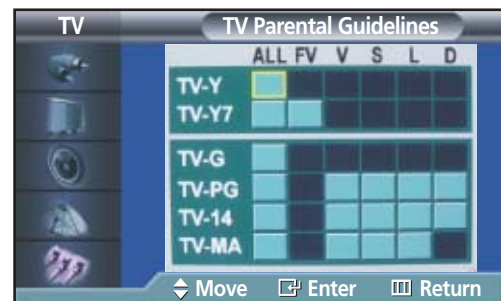
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



- 2 Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button. The message "Enter PIN" will appear. Enter your 4-digit PIN number.

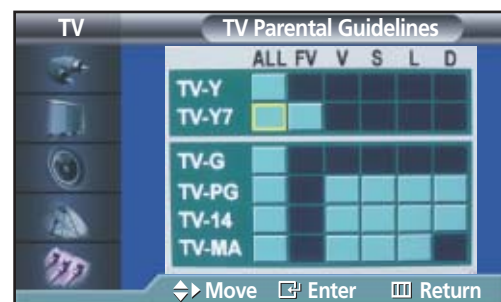


- 3 The "V-Chip" screen will appear. Press the ▲ or ▼ button to select "TV Parental Guidelines", then press the ENTER button.



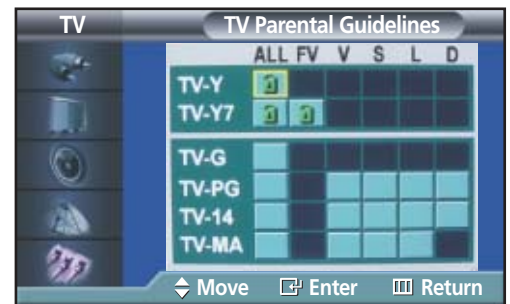
- 4 The "TV Parental Guidelines" screen will appear. Press the ▲ or ▼ button to select one of the six ages based categories:

TV-Y	Young children
TV-Y7	Children 7 and over
TV-G	General audience
TV-PG	Parental guidance
TV-14	Viewers 14 and over
TV-MA	Mature audience



- 5** At this point, one of the TV-Ratings is selected. Press the ENTER button. Depending on your existing setup, a symbol  will be selected. (Blank = Unblocked,  = Blocked)

While " is selected, press the ▲ or ▼ button to block the category.
To select a different TV-Rating, press the ▲ or ▼ button and then repeat the process.



Note 1: The TV-Y7, TV-PG, TV-14 and TV-MA have additional options. See the next step to change any of the following sub-ratings:

FV: Fantasy violence
D: Sexually Suggestive Dialog
L: Adult Language
S: Sexual situation
V: Violence

Note 2: The V-Chip will automatically block certain categories that are "more restrictive". For example, if you block "TV-Y" category, then TV-Y7 will automatically be blocked. Similarly, if you block the TV-G category, then all the categories in the "young adult" group will be blocked (TV-G, TV-PG, TV-14 and TV-MA). The sub-ratings (D, L, S, V) work together similarly. (See next section.)

- 6** How to set the FV, D, L, S and V sub-ratings.
First, select one of these TV-Ratings: TV-Y7, TV-PG, TV-14 or TV-MA (See Step 4, on previous page).
Next, while the TV-Rating is selected, repeatedly press the ENTER button.
This will cycle through the available sub-ratings (FV, L, S, D or V).
A symbol " will be displayed for each sub-rating.
While " is selected, press the ▲, ▼, ◀, or ▶ button to change the sub-rating.
To select a different TV-Rating, press the ▲ or ▼ button and then repeat the process.
Note: The V-chip will automatically block certain categories that are "More restrictive".
For example, if you block "L" sub-rating in TV-PG, then the "L" sub-ratings in TV-14 and TV-MA will automatically be blocked.

- 7** Press the MENU button to clear all the screens. (Or proceed to the next section, and set up additional restrictions based on the MPAA codes).

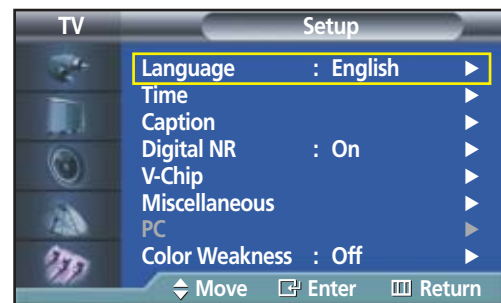
Note

- 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 guidelines must be set up separately for each age group. (See next step.)

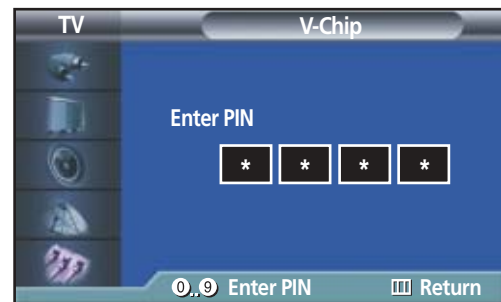
How to Set up Restrictions using the MPAA Ratings: G, PG, PG-13, R, NC-17, X

The MPAA rating system uses the Motion Picture Association of America (MPAA) system, and its main application is for movies. When the V-Chip lock is on, the TV will automatically block any programs that are coded with objectionable ratings (either MPAA or TV-Ratings).

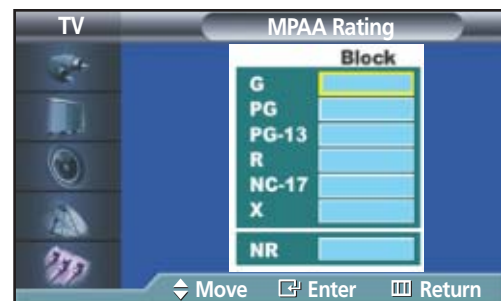
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



- 2 Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button. The message "Enter PIN" will appear. Enter your 4 digit PIN number.

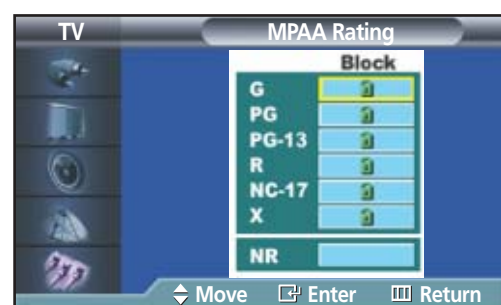


- 3 The "V-Chip" screen will appear. Press the ▲ or ▼ button to select "MPAA Rating", then press the ENTER button.



- 4 The "MPAA Rating" screen will appear. Repeatedly press the ▲ or ▼ button to select a particular MPAA category. Pressing the ▲ or ▼ button will cycle through the MPAA categories:

G	General audience (no restrictions).
PG	Parental guidance suggested.
PG-13	PG-13 (Parents strongly cautioned).
R	R (Restricted. Children under 17 should be accompanied by an adult).
NC-17	No children under age 17.
X	X (Adults only).
NR	Not rated.



While a particular category is selected, press the ▲ or ▼ button to activate it.

A selected symbol "🔒" will be displayed. Press the ▲ or ▼ button to select "🔒".

Note: The V-Chip will automatically block any category that is "more restrictive". For example, if you block the "PG-13" category, then "R", "NC-17" and "X" will automatically be blocked also.

How to Reset the TV after the V-Chip Blocks a Channel ("Emergency Escape")

If the TV is tuned to a restricted channel, the V-Chip will block it. The screen will go blank and the following message will appear: "Excessive rating".

To resume normal viewing, tune to a different channel using the number buttons. Under certain conditions (depending on the rating of the local TV programs) the V-Chip might lock out all the channels. In this case, use the V-Chip function for an "emergency escape":

- **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** Enter your PIN number, and press the ► button to temporarily disable the V-Chip Lock.

S
V
W
S
U
N
G

P L A S M A D I S P L A Y P A N E L

Appendix

Troubleshooting.....	106
Care and Maintenance	107
Specifications	108



Troubleshooting

Before you call a service technician, please scan this list of problems and possible solutions. It may save you time and money.

Problem	Possible Solution
Poor picture.	Check all wire connections.
Your Remote control does not operate the PDP.	Press the "MODE" button to put your remote control in the "TV" mode.
The PDP won't turn on.	Check if the power plug is connected.
There is no screen image.	Check to see that both the PDP and the source are plugged in and turned on.
The image is too light or too dark.	Adjust the Brightness or Contrast settings.
The image is too large or too small.	Adjust the Size settings.



Care and Maintenance

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

Identifying Problems

- Do not put the PDP near extremely hot, cold, humid or dusty places.
- Do not put the PDP near appliances that create magnetic fields.
- Keep the ventilation openings clear.
- Do not place the PDP on a rough and slanted surface, such as cloth or paper.

Liquids

- Do not place liquids near or on the PDP.

Cabinet

- Never open the cabinet or touch the parts inside.
- Wipe your PDP with a clean, dry cloth. Never use water, cleaning fluids, wax, or chemicals.
- Do not put heavy objects on top of the cabinet.

Temperature

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



Specifications

Exterior design and product specifications are subject to change without prior notice to improve the performance of this product.

Model		HP-P4261
Dimensions	Display	1257 (W) X 84 (D) X 740 (H) mm / 49.5(W) X 3.3 (D) X 29.1 (H) inches
	Remote Control	59 (W) X 22 (D) X 209 (H) mm / 2.3 (W) X 0.9 (D) X 8.2 (H) inches
Weight	Display	44kg / 971bs
	Remote Control	164g / 0.361bs (including batteries)
Voltage		AC 120V~, 60Hz
Power Consumption		400 W
Number of Pixels		1366(H) x 768(V)
Screen Size		127 Cm/50 inches (16:9)
ANTENNA input		VHF, UHF (75Ω unbalanced)
VIDEO input		AV1 AV2 AV3(SIDE) S-VIDEO 1 S-VIDEO 2 (SIDE) COMPONENT 1 - 480i / 480p / 720p / 1080i COMPONENT 2 - 480i / 480p / 720p / 1080i PC (MINI D-SUB 15P) DVI-D
AUDIO input		AV1 AV2/ S-VIDEO 1 AV3 (SIDE) / S-VIDEO 2 (SIDE) COMPONENT 1 COMPONENT 2 PC DVI-D
Monitor Output		VIDEO, AUDIO(L/R)
Speaker Output		15W+15W (8 Ω)



Memo



Memo



Memo



1-800-SAMSUNG (1-800-726-7864)

**Samsung Electronics America
Service Division**

400 Valley Road, Suite 201
Mount Arlington, NJ 07856
www.samsungusa.com

**Samsung Electronics Canada Inc.
Samsung Customer Care**

7037 Financial Drive
Mississauga, Ontario
L5N 6R3
www.samsung.ca