SAMSUNG

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

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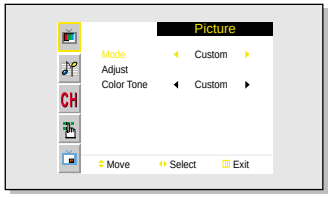
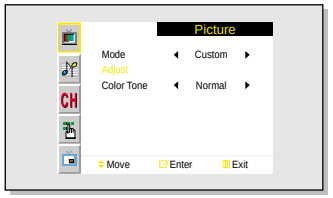
Customizing the Picture

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

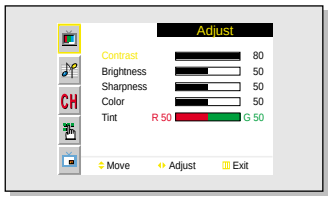
1 Press the Menu button, then press the joystick to enter.



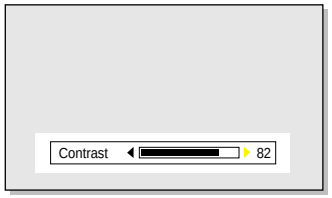
2 Move the joystick up or down to select "Adjust", then press the joystick to enter.
You will also see the items "Contrast", "Brightness", "Sharpness", "Color" and "Tint".



3 Move the joystick up or down to select the item you wish to change.



4 Move the joystick left or right to change the value of the item.



5 Press the Menu button to exit.

Note

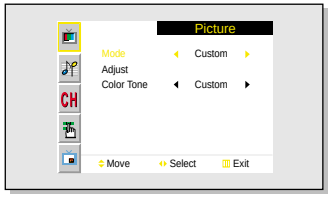
- In the PC/DVI mode, you can't adjust the Sharpness, Color and Tint.
- The Tint doesn't operate in Component(480p, 720p, 1080i) mode.

Using Automatic Picture Settings

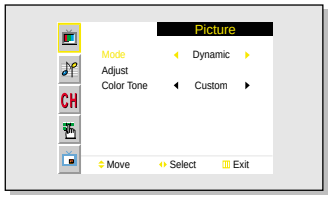
Your PDP has automatic picture settings that allow you to adjust the video display easily.

1 Press the Menu button, then press the joystick to enter.

> ! Quick way to access the picture setting: Just press the "P.Mode" button on the remote control.



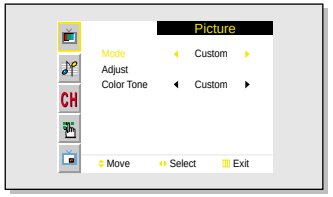
2 Move the joystick left or right to select "Custom", "Dynamic", "Standard" or "Movie" picture setting.
- You can select "High", "Middle", "Low" or "Custom" in PC/DVI mode.



3 Press the Menu button to exit.

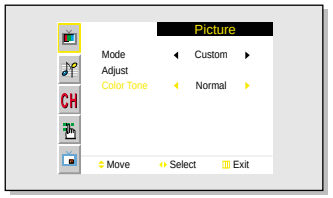
Selecting the Color Tone

1 Press the Menu button, then press the joystick to enter.



2 Move the joystick up or down to select "Color Tone", then move the joystick left or right to select "Normal", "Warm1", "Warm2", "Cool2" or "Cool1".

- You can select "Custom", "Color1", "Color2" or "Color3" in PC mode.
- You can select "Color1", "Color2" or "Color3" in DVI mode.



3 Press the Menu button to exit.

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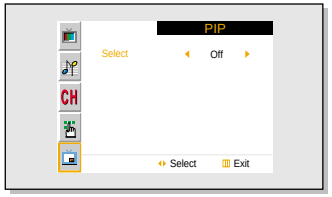
Viewing the Picture-in-Picture

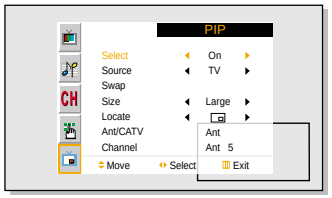
Selecting the PIP Screen

1 Press the Menu button. Move the joystick up or down to select "PIP", then press the joystick to enter.



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

2 Move the joystick left or right to select "On". The PIP image will appear in the corner of the screen.



3 Press the Menu button to exit.

PIP Settings

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

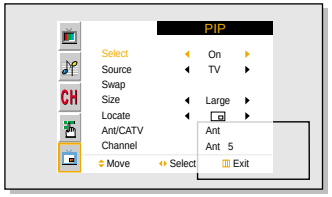
PIP screen \ Main screen	TV	Video	S-Video	Component 1	Component 2	PC	DVI
TV	O	O	O	O	O	O	O
Video	O	X	O	O	O	O	O
S-Video	O	O	X	O	O	O	O
Component 1	O	O	O	X	X	X	X
Component 2	O	O	O	X	X	X	X
PC	O	O	O	X	X	X	X
DVI	O	O	O	X	X	X	X

Selecting an External Signal

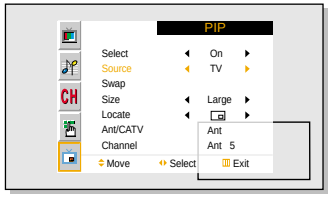
You can use PIP to view a signal from an external source, such as a VCR.

1 Press the Menu button. Move the joystick up or down to select "PIP", then press the joystick to enter.

Quick way to access the PIP source: Just press "Source" button in the cover on the remote control.

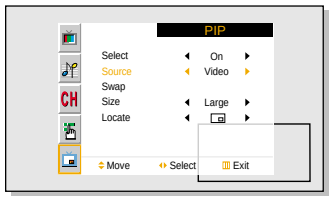


2 Move the joystick up or down to select "Source".



3 Move the joystick left or right to cycle through all of the available signal sources: "TV", "Video", "S-Video", "Component 1", "Component 2", "PC" and "DVI".

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



4 Press the Menu button to exit.

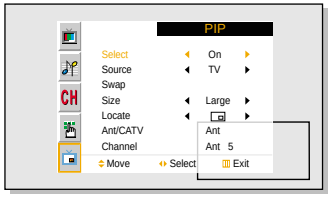
Note

- The PIP function operates in Wide screen.
- Using Multi-Screen in the Normal, Zoom1 or Zoom2 screen will change the size of the main screen to Wide screen.

Swapping the Contents of the PIP Image and Main Image

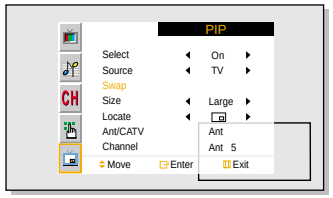
1 Press the Menu button. Move the joystick up or down to select "PIP", then press the joystick to enter.

Quick way to access swapping: Just press the "Swap" button on the remote control.



2 Move the joystick up or down to select "Swap", then press the joystick to enter.

- The image in the PIP window will appear on the main screen, and vice versa.

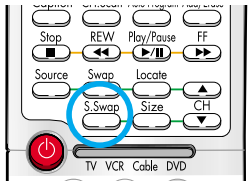


3 Press the Menu button to exit.

Selecting the Sound Source

S.Swap

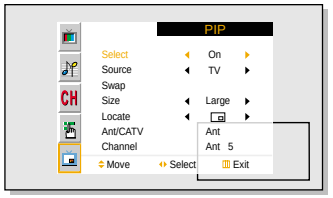
Press the S.Swap button to switch between the Main or Sub (PIP) audio source.



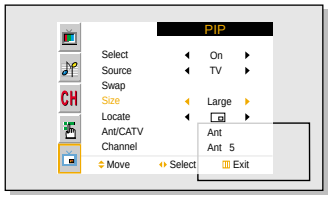
Changing the Size of the PIP Window

1 Press the Menu button. Move the joystick up or down to select “PIP”, then press the joystick to enter.

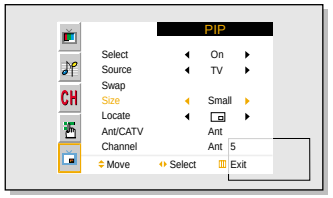
Quick way to access the PIP size: Just press the “Size” button in the cover on the remote control.



2 Move the joystick up or down to select “Size”.



3 Move the joystick left or right to select “Small”, “Double” or “Large”.

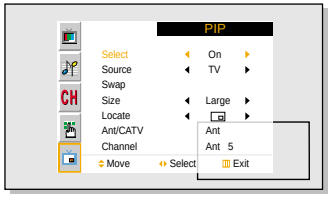


4 Press the Menu button to exit.

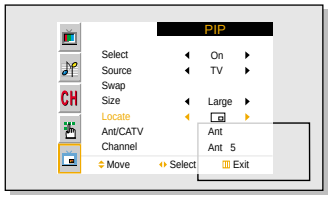
Changing the Location of the PIP Image

1 Press the Menu button. Move the joystick up or down to select “PIP”, then press the joystick to enter.

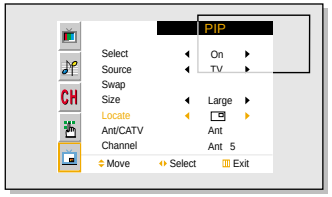
Quick way to access the PIP location: Just press the “Locate” button on the remote control.



2 Move the joystick up or down to select “Locate”.



3 Move the joystick left or right to move the PIP screen where you want.

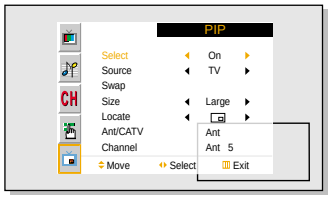


4 Press the Menu button to exit.

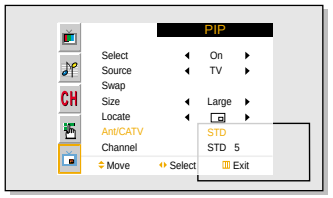
Changing the PIP Channel

1 Press the Menu button. Move the joystick up or down to select "PIP", then press the joystick to enter.

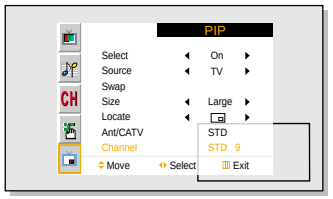
Quick way to change the PIP channel: Just press the "CH▲,▼" buttons under the cover of the remote control.



2 Move the joystick up or down to select "Ant/CATV". Move the joystick left or right to select "Ant", "STD", "HRD" or "IRC".



3 Move the joystick up or down to select "Channel". Move the joystick left or right to change the channel that appears in the PIP window. You can also press PIP CH▲, ▼ buttons on the remote control.



4 Press the Menu button to exit.

Changing the Screen Size

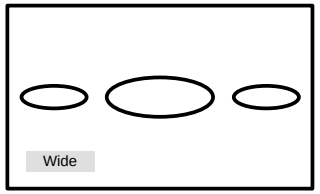
When you press the Aspect button on the remote control, the PDP's screen mode should appear in sequence. The screen displays in this order: Wide, Panorama, Zoom1, Zoom2, Normal.

Note

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

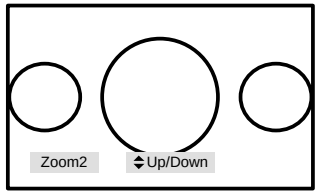
Wide

Sets the picture to 16:9 wide mode.



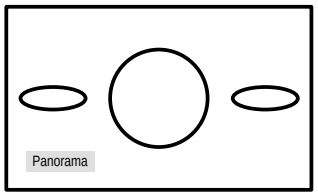
Zoom2

The screen size when the Zoom1 screen is vertically enlarged.



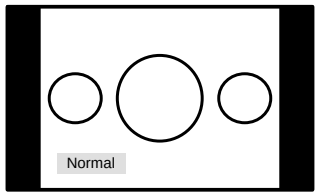
Panorama

Converts regular 4:3 aspect ratio screen to wide screen.



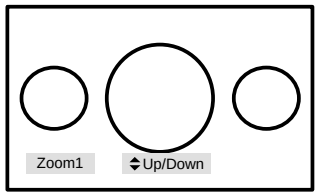
Normal (4:3)

Sets the picture to 4:3 normal mode.



Zoom1

The screen size when Wide screen is vertically enlarged



Notes

- In TV, VIDEO, S-VIDEO and Component(480i) modes, all screen modes can be selected. (Wide → Panorama → Zoom1 → Zoom2 → Normal).
- In PC/DVI mode, only Wide & Normal 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 pressing the Up▲ or Down▼ button. (All screen modes)
- Changing the screen size to Normal, Zoom1 or Zoom2 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.

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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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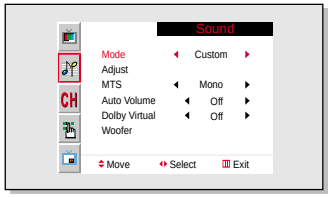
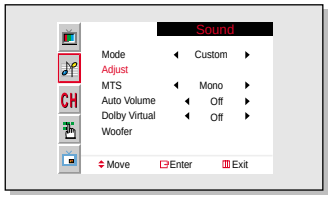
Customizing the Sound

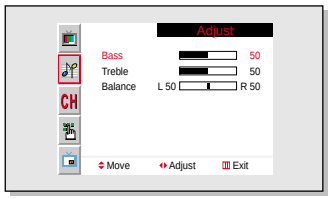
1 Press the Menu button. Move the joystick up or down to select “Sound”, then press the joystick to enter.



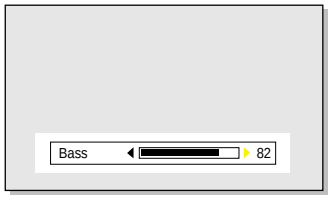
2 Move the joystick up or down to select “Adjust”, then press the joystick to enter.
You will also see the items “Bass”, “Treble” and “Balance”.



3 Move the joystick up or down to select the item you wish to change.



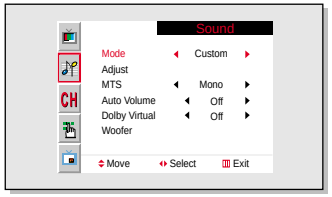
4 Move the joystick left or right to change the value of the item.



5 Press the Menu button to exit.

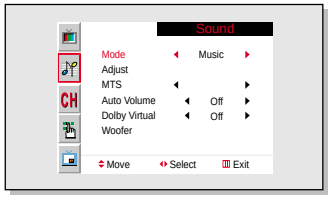
Using Automatic Sound Settings

1 Press the Menu button. Move the joystick up or down to select “Sound”, then press the joystick to enter.



Quick way to access the sound setting: Just press the “S.Mode” button on the remote control.

2 Move the joystick left or right to select “Custom”, “Standard”, “Music”, “Movie” or “Speech” sound setting.



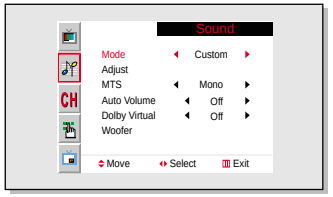
3 Press the Menu button to exit.

Choosing a Multi-Channel Sound (MTS) Soundtrack

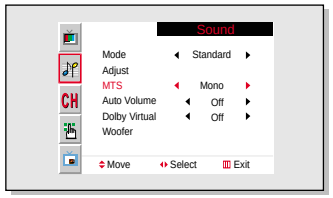
Depending on the particular program being broadcast, you can listen to stereo, mono, or a Separate Audio Program. (SAP audio is usually a foreign-language translation. Sometimes SAP has unrelated information like news or weather.)

1 Press the Menu button. Move the joystick up or down to select “Sound”, then press the joystick to enter.

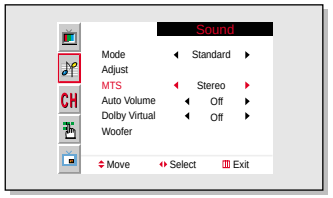
Quick way to access the MTS menu: Just press the “MTS” button on the remote control.



2 Move the joystick up or down to select “MTS”.



3 Move the joystick left or right to select “Mono”, “Stereo” or “SAP”.



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.

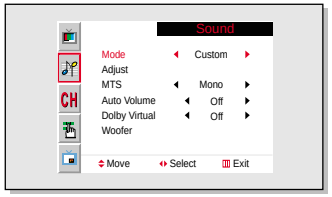
Note

• The MTS function operates in TV mode only.

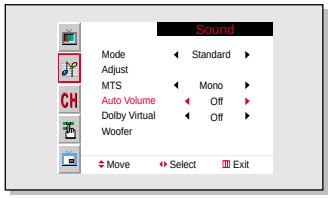
Using the Auto Volume

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.

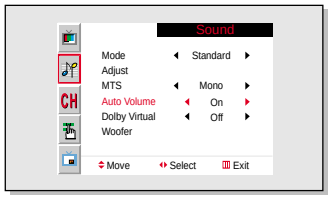
1 Press the Menu button. Move the joystick up or down to select “Sound”, then press the joystick to enter.



2 Move the joystick up or down to select “Auto Volume”.



3 Move the joystick right to select “On”.



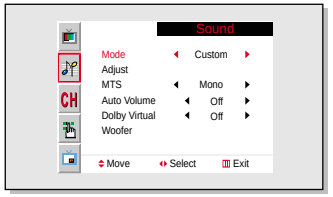
4 Press the Menu button to exit.

Using Dolby Virtual

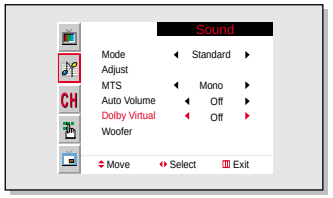
This feature allows the PDP's optional L/R speakers to provide a Home Theater-like Dolby effect. The center and surround sounds are mixed into the L/R speakers.

1 Press the Menu button. Move the joystick up or down to select "Sound", then press the joystick to enter.

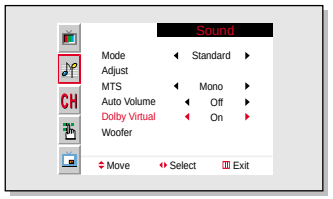
Quick way to access the Dolby Virtual: Just press the "Dolby Virtual" button on the remote control.



2 Move the joystick up or down to select "Dolby Virtual".



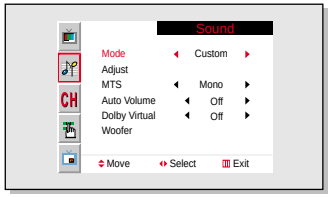
3 Move the joystick left or right to select "On".



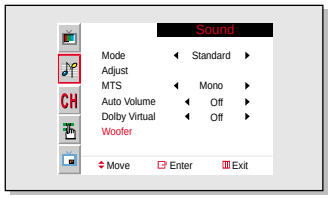
4 Press the Menu button to exit.

Using a Subwoofer

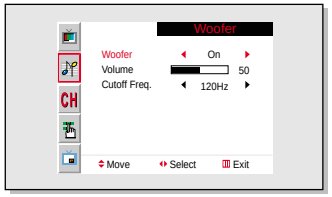
1 Press the Menu button. Move the joystick up or down to select "Sound", then press the joystick to enter.



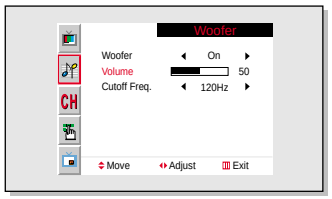
2 Move the joystick up or down to select "Woofer", then press the joystick to enter.

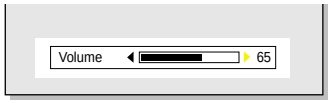


3 Move the joystick left or right to select "On".

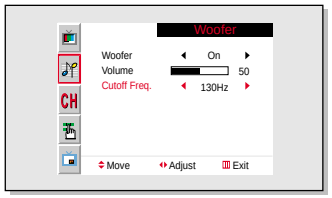


4 Move the joystick up or down to select "Volume", then move the joystick left or right to adjust the value of the item.
This sets the volume for the subwoofer.





5 Move the joystick up or down to select "Cutoff Freq.", then move the joystick left or right to adjust the value of the item.
This sets the cutoff frequency for the subwoofer.
For example, if you set the cutoff frequency at 130Hz, the subwoofer will reproduce frequencies of 130Hz and lower.



6 Press the Menu button to exit.

SAMSUNG

PLASMA DISPLAY PANEL

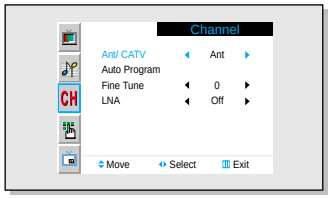
Channel Control

Fine Tuning Channels.....60
LNA (Low Noise Amplifier).....61

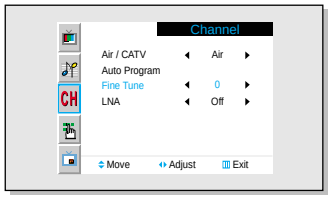
Fine Tuning Channels

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

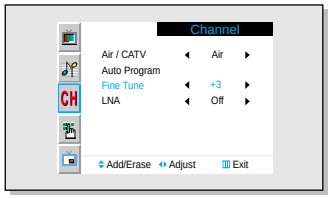
1 Press the Menu button. Move the joystick up or down to select “Channel”, then press the joystick to enter.



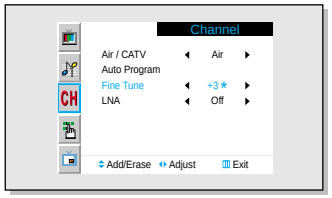
2 Move the joystick up or down to select “Fine Tune”.



3 Move the joystick left or right to adjust the fine tuning.



4 To store the fine tuning setting in the TV’s memory, move the joystick up. (A star icon<*>will appear.) To reset the fine tuning to “0”, move the joystick down.

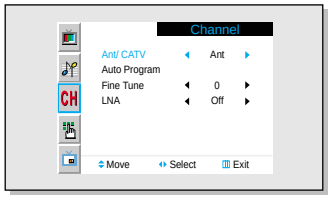


5 Press the Menu button to exit.

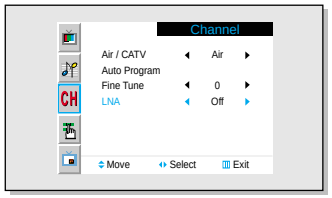
LNA (Low Noise Amplifier)

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).

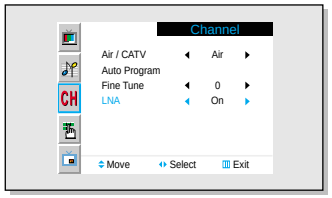
1 Press the Menu button. Move the joystick up or down to select “Channel”, then press the joystick to enter.



2 Move the joystick up or down to select “LNA”.



3 Move the joystick left or right to select LNA “On.”
- Moving the joystick left or right will alternate between “On” and “Off.”



4 Press the Menu button to exit.

SAMSUNG

PLASMA DISPLAY PANEL

Connecting a PC and Operation

Connecting to a PC 64
Adjusting the PC Screen 68
Changing the Position of the Image 69
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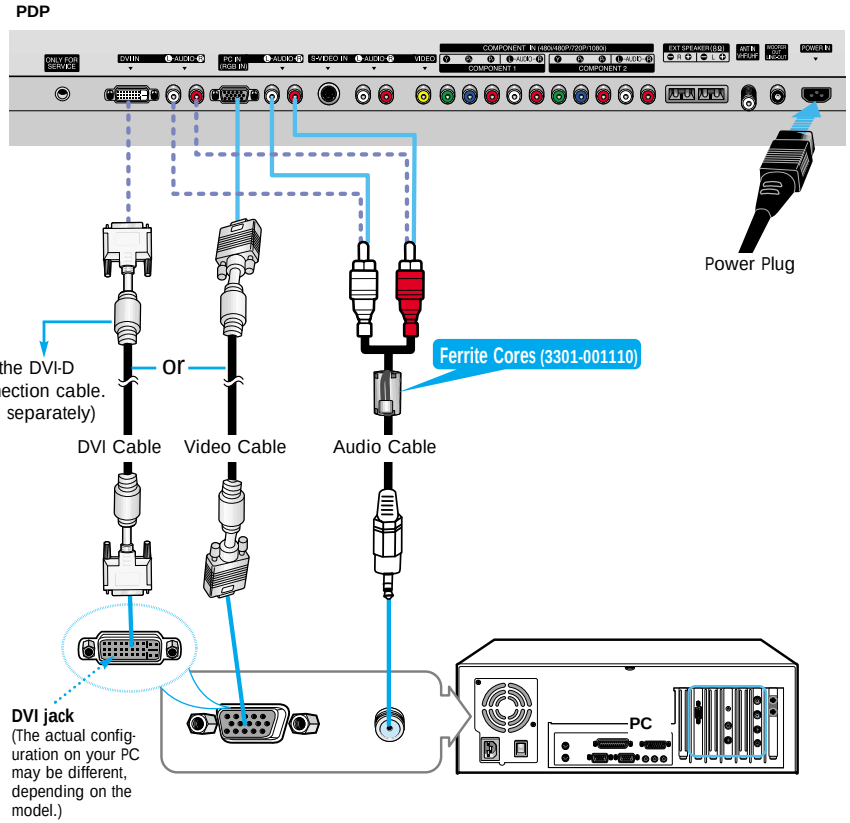
Connecting to a PC

Connection to a Macintosh PC may require an adaptor that fits the PC terminal.



Connecting a PC to the PDP

1 Connect a PC (15pin) cable between the Video 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.

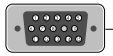
To watch the PC screen:

1. Turn on your PDP, and press the Source button on the remote control.
2. Move the joystick up or down to select the "PC", then press the joystick to enter.
3. Turn on PC and check for PC system requirements. (Refer to pages 66 and 67 for PC system requirements.)
3. Adjust the PC screen. (Refer to pages 68 and 74.)

Pin Configuration

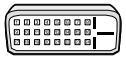
D-Sub Cable

- 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)



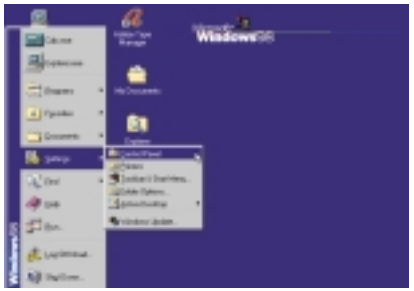
Pin No.	Signal Assignment	Pin No.	Signal Assignment
1	T.M.D.S. Data2-	13	T.M.D.S. Data3+
2	T.M.D.S. Data2+	14	+5V Power
3	T.M.D.S. Data2/4 Shield	15	Ground (for +5V)
4	T.M.D.S. Data4-	16	Hot Plug Detect
5	T.M.D.S. Data4+	17	T.M.D.S. Data0-
6	DDC Clock	18	T.M.D.S. Data0+
7	DDC Data	19	T.M.D.S. Data0/5 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)

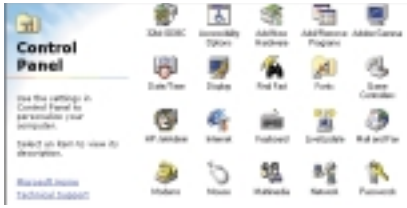
Our adoption of the new VESA® Plug and Play solution eliminates complicated and time consuming setup. It allows you to install your monitor in a Plug and Play compatible system, without the usual setup hassles and confusion. Your PC system can easily identify and configure itself for use with your display. 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)

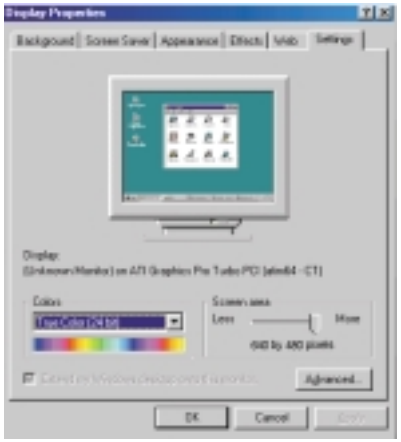
The Windows display-settings for a typical computer are shown below. However, the actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. But even if your actual screens look different, the same, basic set-up information 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 the PDP-PC interface are “resolution” and “colors”.
The correct settings for these two variables are:

- Size (sometimes called “resolution”): 640 x 480 pixels.
- Color: “24-bit” color (might also be expressed as “16 million colors”)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	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
	720 X 400	70.087	31.469	P	N
		85.039	37.927	P	N
	640 X 480	59.940	31.469	P	N
		72.809	37.861	N	N
		75.000	37.500	N	N
		85.008	43.269	N	N
	800 X 600	56.250	42.925	N/P	N/P
		60.317	37.879	P	P
		72.188	48.077	P	P
		75.000	46.875	P	P
		85.061	53.674	P	P
	1024 X 768	60.004	48.363	N	N
		70.069	56.476	N	N
		75.029	60.023	P	P
		84.997	68.677	P	P
	1280 X 1024*	60.020	63.981	P	P
	1366 X 768*	60.000	48.200	N	N

- The interlace mode is not supported.
- The PDP operates abnormally if a non-standard video format is selected.

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 31.5kHZ (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 Source button 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).

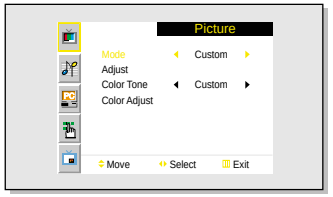
Adjusting the PC Screen

Adjusting the R.G.B

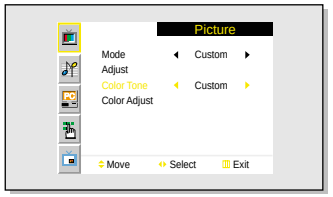
Preset:

- Press the Source button, then move the joystick up or down to select PC. Press the joystick to select PC mode.

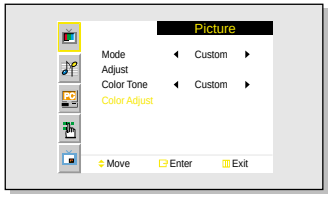
1 Press the Menu button, then press the joystick to enter.



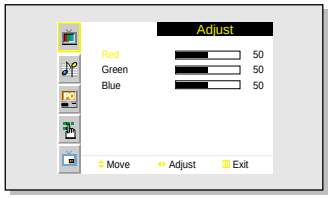
2 Move the joystick up or down to select "Color Tone", then move the joystick left or right to select "Custom". When "Custom" is selected, the word "Color Adjust" will appear on the screen.

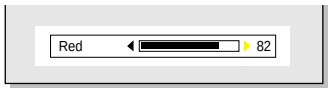


3 Move the joystick up or down to select "Color Adjust", then move the joystick to enter.



4 Move the joystick up or down to select the item you want to change, then move the joystick right or left to change the value of the item, using the on-screen gauge as your guide.





5 Press the Menu button to exit.

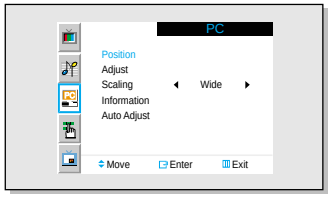
Changing the Position of the Image

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

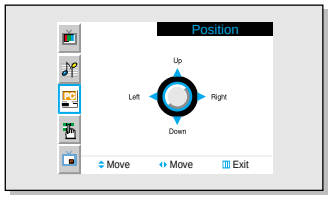
Preset:

- Press the Source button, then move the joystick up or down to select PC. Press the joystick to select PC mode.

1 Press the Menu button. Move the joystick up or down to select "PC", then press the joystick to enter.



2 Press the joystick to enter, then adjust the screen position by using the joystick button.



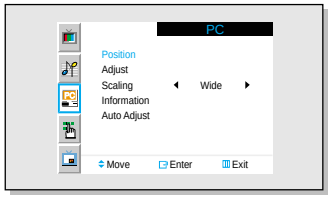
3 Press the Menu button to exit.

Changing the Size of the Image

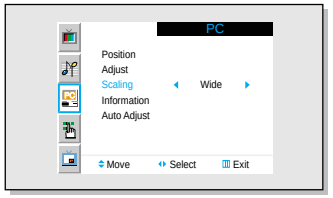
Preset:

- Press the Source button, then move the joystick up or down to select PC. Press the joystick to select PC mode.

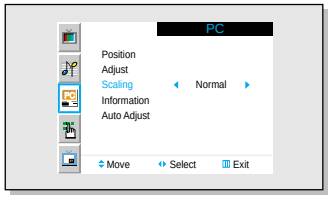
1 Press the Menu button. Move the joystick up or down to select “PC”, then press the joystick to enter.



2 Move the joystick up or down to select “Scaling”.



3 Move the joystick left or right to select “Wide” or “Normal”.



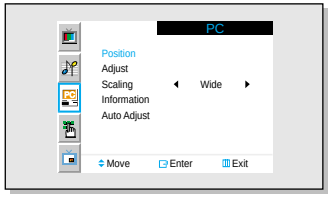
4 Press the Menu button to exit.

Information

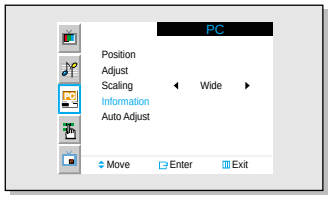
Preset:

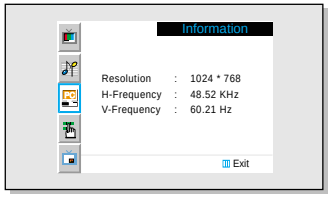
- Press the Source button, then move the joystick up or down to select PC. Press the joystick to select PC mode.

1 Press the Menu button. Move the joystick up or down to select “PC”, then press the joystick to enter.



2 Move the joystick up or down to select “Information”, then press the joystick to enter.
The vertical, horizontal frequencies and resolution appear.





3 Press the Menu button to exit.

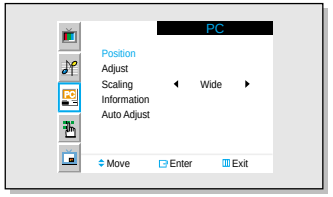
Picture Quality Adjustment

Picture Automatic Adjustment

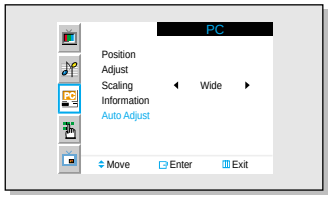
Preset:

- Press the Source button, then move the joystick up or down to select PC. Press the joystick to select PC mode.

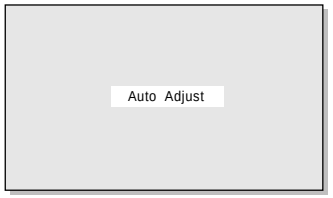
1 Press the Menu button. Move the joystick up or down to select “PC”, then press the joystick to enter.



2 Move the joystick up or down to select “Auto Adjust”, then move the joystick left or right to enter.



3 The message “Auto Adjust” appears on the screen and the picture adjustments are automatically activated.



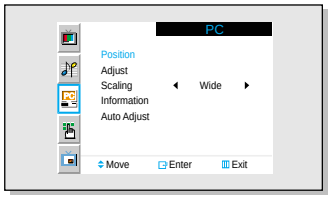
4 Press the Menu button to exit.

Coarse Adjustment

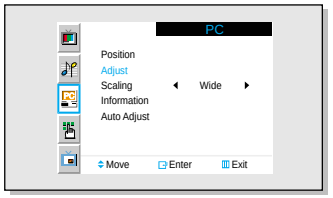
Preset:

- Press the Source button, then move the joystick up or down to select PC. Press the joystick to select PC mode.

1 Press the Menu button, move the joystick up or down to select “PC”, then press the joystick to enter.

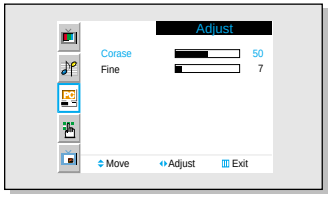


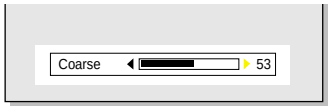
2 Move the joystick up or down to select “Adjust”, then move the joystick left or right to enter.



3 Move the joystick up or down to select “Coarse”.

Remove picture noise (vertical stripes) on the screen by moving the joystick left or right. (If Coarse is not set properly, vertical stripes will appear on the screen.)





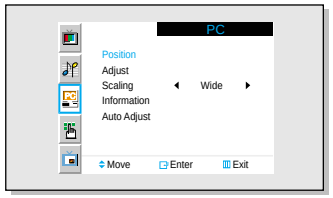
4 Move the Menu button to exit.

Fine Tuning (Fine)

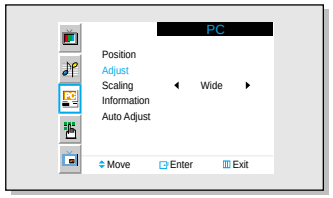
Preset:

- Press the Source button, then move the joystick up or down to select PC. Press the joystick to select PC mode.

1 Press the Menu button. Move the joystick up or down to select “PC”, then press the joystick to enter.

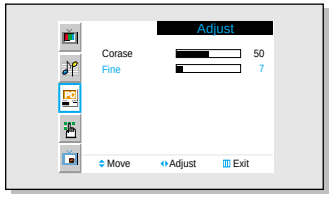


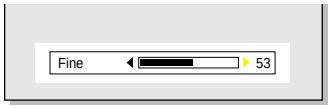
2 Move the joystick up or down to select “Adjust”, then move the joystick left or right to enter.



3 Move the joystick up or down to select “Fine”.

Remove picture noise (vertical stripes) on the screen by moving the joystick left or right. (If Fine is not set properly, vertical stripes will appear on the screen.)





4 Move the Menu button to exit.

SAMSUNG

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

Time Setting

Setting the Clock 76
Setting the Sleep Timer.....77
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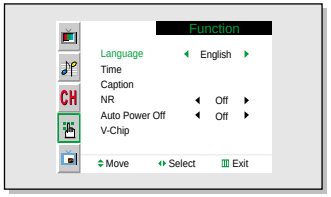
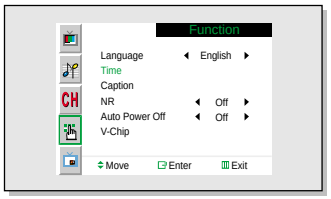
Setting the Preferred Channel and Volume Level 80

Setting the Clock

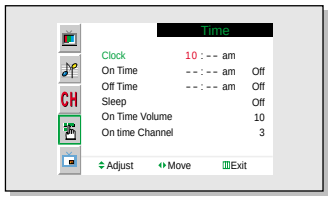
1 Press the Menu button. Move the joystick up or down to select “Function”, then press the joystick to enter.



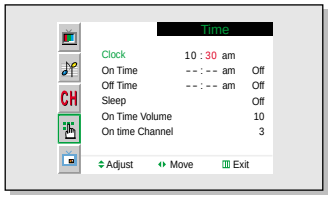
2 Move the joystick up or down to select “Time”, then press the joystick to enter.



3 Move the joystick left or right to select hour, then move the joystick up or down to select the correct hour.



4 Move the joystick left or right to select minute, then move the joystick up or down to select the correct minute.



5 Press the Menu button to exit.

Note

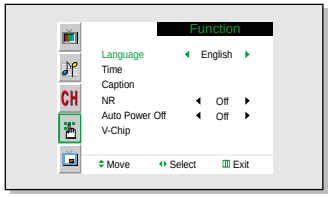
- Time setting will be reset when you pull out the Power cord if the PDP is ON.
  (If you want to keep the time setting, turn the PDP off using the Power button on the remote control or the Front Panel.)

Setting the Sleep Timer

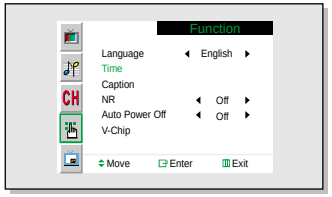
You can set your PDP to automatically turn off after a preset interval.

1 Press the Menu button. Move the joystick up or down to select “Function”, then press the joystick to enter.

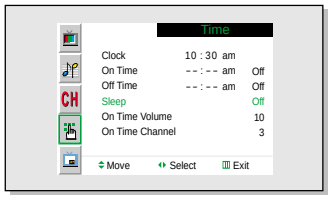
> Quick way to access the sleep timer: Just press the “Sleep” button on the remote control.



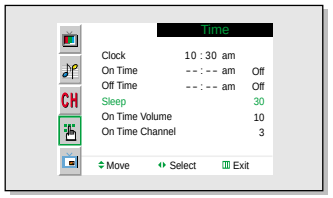
2 Move the joystick up or down to select “Time”, then press the joystick to enter.



3 Move the joystick up or down to select “Sleep”.



4 Move the joystick left or right to select the time interval for the PDP to stay on. The interval ranges from 10 to 180 minutes.



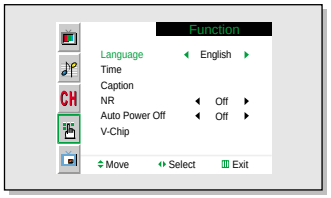
5 Press the Menu button to exit.

Setting the Timers

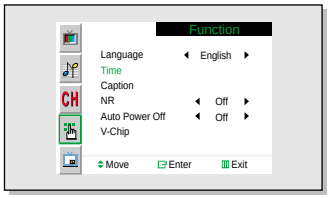
This PDP can be set to turn on or off automatically at specific times that you choose. Before using the timers, you must set the PDP's clock, as described previously.

Setting the On / Off Timer

1 Press the Menu button. Move the joystick up or down to select "Function", then press the joystick to enter.

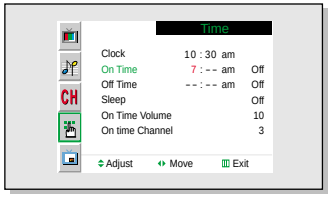


2 Move the joystick up or down to select "Time", then press the joystick to enter.

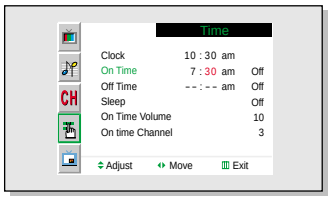


3 Move the joystick up or down to select "On Time".

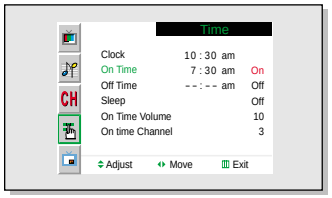
4 Move the joystick left or right to select hour, then move the joystick up or down to select the correct hour.



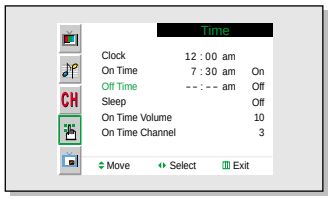
5 Move the joystick left or right to select minute, then move the joystick up or down to select the correct minute.



6 Move the joystick left or right to select "Off" or "On", then move the joystick up down to select "Off" or "On".



7 If you want to set Off Time, move the joystick down to select the "Off Time".
Set the "Off Time" just as you set "On Time".



8 Press the Menu button to exit.

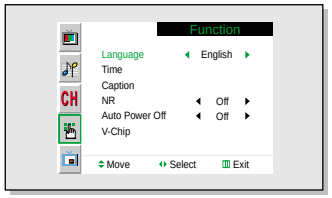
Note

- If you set to On Time or Off Time, the Power Indicator on the Front Panel is changed to Green.

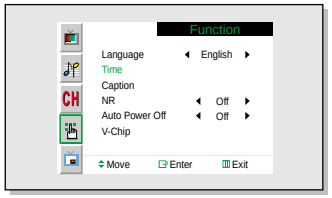
Setting the Preferred Channel and Volume Level

The preferred channel and volume can be set for when the timer automatically turns on the TV.

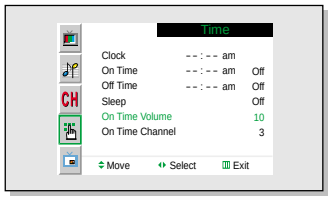
1 Press the Menu button. Move the joystick up or down to select “Function”, then press the joystick to enter.



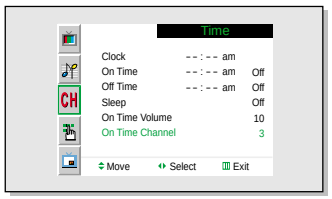
2 Move the joystick up or down to select “Time”, then press the joystick to enter.



3 Move the joystick up or down to select “On Time Volume”.
Move the joystick left or right to adjust volume level.



4 Move the joystick up or down to select “On Time Channel”.
Move the joystick left or right to select channel.



SAMSUNG

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

Function Description

Selecting a Menu Language 82
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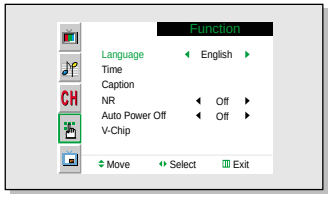
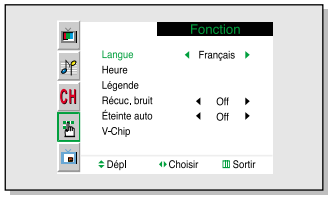
Digital Noise Reduction 84
Setting Auto Power Off 85
Using the V-Chip 86

Selecting a Menu Language

1 Press the Menu button. Move the joystick up or down to select “Function”, then press the joystick to enter.



2 Move the joystick left or right to select the appropriate language : English, Français or Español.

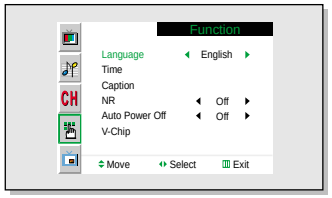


3 Press the Menu button to exit.

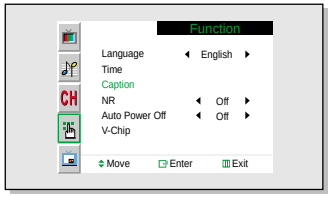
Viewing Closed Captions

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 pre-recorded commercial video tapes provide closed captions as well. Check for the closed caption symbol in your television schedule and on the tape’s packaging: CC .
Note: The Caption feature does not work with DVD or DTV signals.

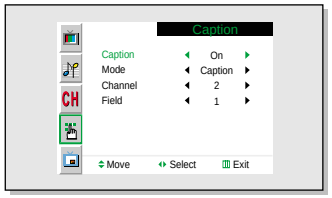
1 Press the Menu button. Move the joystick up or down to select “Function”, then press the joystick to enter.



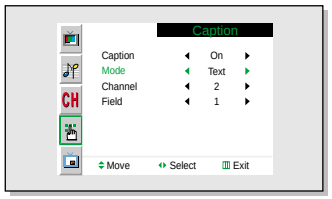
2 Move the joystick up or down to select “Caption”, then press the joystick to enter.



3 Move the joystick left or right to turn closed captioning on/off.



4 Move the joystick up or down to select “Mode”, then move the joystick left or right to select “Caption” or “Text.”



5 Depending on the particular broadcast, it might be necessary to make changes to “Channels” and “Field”: Move the joystick up, down, left and right to make the changes. (Follow the same procedure as in steps 3~4 above.)
Press the Menu button to exit.

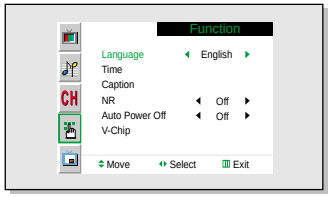
Note

- 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.

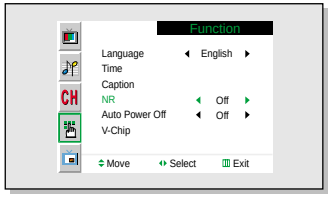
Digital Noise Reduction

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.

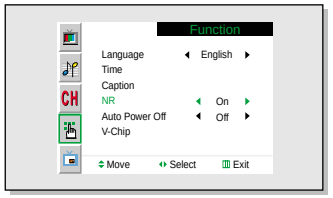
1 Press the Menu button. Move the joystick up or down to select “Function”, then press the joystick to enter.



2 Move the joystick up or down to select “NR”.



3 Move the joystick left or right to select “On”.

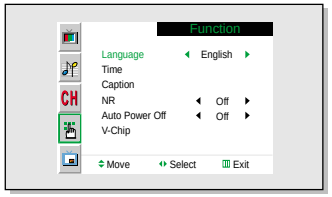


4 Press the Menu button to exit.

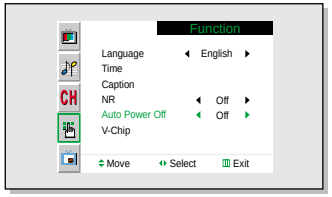
Setting Auto Power Off

The PDP can be set to turn off automatically if no buttons are pressed for 3 hours after the PDP turns on automatically by the on timer.

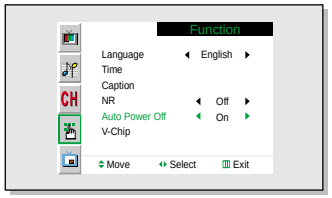
1 Press the Menu button. Move the joystick up or down to select “Function”, then press the joystick to enter.



2 Move the joystick up or down to select “Auto Power Off”.



3 Move the joystick left or right to select “On”.



4 Press the Menu button to exit.

Note

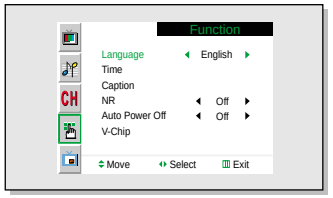
- If the Off timer is set, Auto Power Off will not function.
- The power will be turned off automatically after 15 minutes if the PDP is ON and there is no input signal. (For instance, if you select a channel without a signal while in TV mode or when there is no input signal after selecting an output signal)

Using the V-Chip

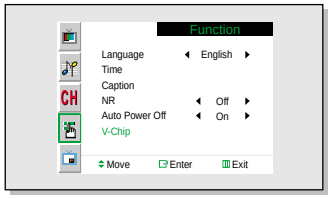
The V-Chip feature automatically locks out programs that are deemed inappropriate for children. The user must enter a PIN (personal ID number) before any of the V-Chip restrictions are set up or changed.
Note : When the V-chip feature is activated, the PIP and channel-auto program features do not function.

Setting Up Your Personal ID Number (PIN)

1 Press the Menu button. Move the joystick up or down to select “Function”, then press the joystick to enter.



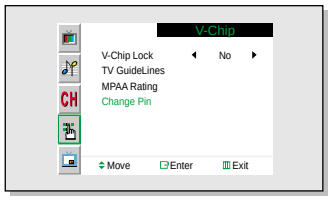
2 Move the joystick up or down to select “V-Chip”, then press the joystick to enter.



3 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.”

4 The “V-chip” screen will appear. Move the joystick up or down to select “Change Pin,” then press the joystick to enter.



5 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.

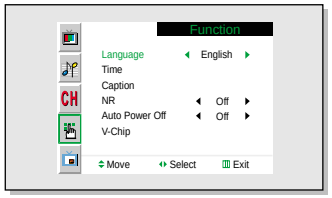
6 Press the Menu button to exit.

Note

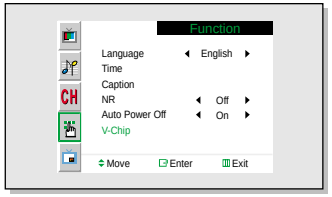
- If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to 0-0-0-0 : Power Off ➔ Mute ➔ 8 ➔ 2 ➔ 4 ➔ Power On.

How to Enable/Disable the V-Chip

1 Press the Menu button. Move the joystick up or down to select “Function”, then press the joystick to enter.

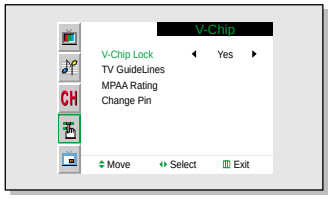


2 Move the joystick up or down to select “V-Chip”, then press the joystick to enter.



3 The message "Enter Pin" will appear. Enter your 4-digit PIN number.

4 The “V-chip” screen will appear.
To enable the V-Chip feature, move the joystick to the right so that the “V-Chip Lock” field is Yes. (Move the joystick to the left or right will alternate between Yes and No.)

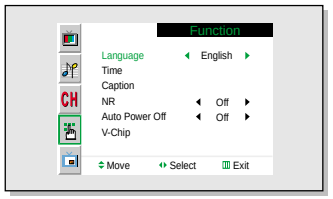


5 Press the Menu button to exit.

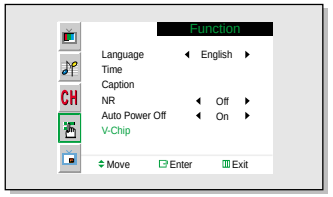
How to Set up Restrictions Using the "TV guidelines"

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. Move the joystick up or down to select "Function", then press the joystick to enter.

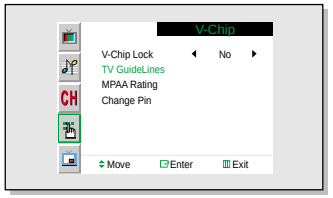


2 Move the joystick up or down to select "V-Chip", then press the joystick to enter.



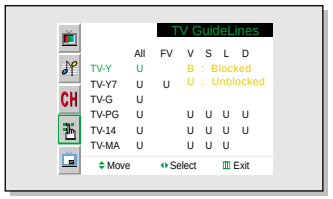
3 The message "Enter Pin" will appear. Enter your 4-digit PIN number.

4 The "V-chip" screen will appear.
Move the joystick up or down to select "TV Guidelines", press the joystick to enter.



5 The "TV guidelines" screen will appear. Move the joystick up or down to select one of the six age-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



6 At this point, one of the TV-Ratings is selected.
Move the joystick to the right: Depending on your existing setup, a letter "U" or "B" will start blinking.
(U= Unblocked, B= Blocked)

While the "U" or "B" is blinking, move the joystick up or down to block or unblock the category.
Move the joystick to the right to save the TV guidelines. A TV-Rating will be selected, and no letters will blink.
To select a different TV-Rating, move the joystick up or down 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: Dialog
L: L
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.)

7 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 move the joystick to the right.
This will cycle through the available sub-ratings (FV,L, S, D or V).
A blinking letter ("U" or "B") will be displayed for each sub-rating. While the "U" or "B" is blinking, move the joystick up or down to change the sub-rating.
Move the joystick to the right to save the TV guidelines. A TV-Rating will be selected and no letters will select. To select a different TV-Rating, move the joystick up or down 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.

8 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

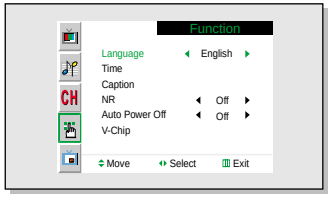
- Note: These categories consist of two separate groups: TV-Y and TV-Y7 (young children through age 7), and TV-G through TV-MA (everybody else). The TV-Y and TV-Y7 categories are colored blue.

  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.)

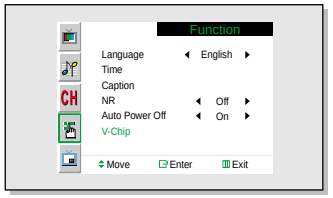
How to Set up Restrictions using the MPAA Ratings: G, PG, PG-13, R, NC-17, X

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. Move the joystick up or down to select “Function”, then press the joystick to enter.

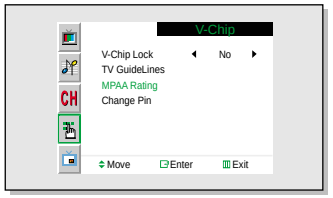


2 Move the joystick up or down to select “V-Chip”, then press the joystick to enter.

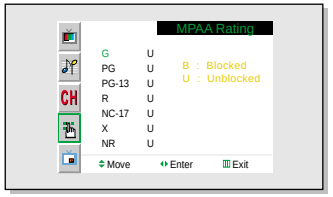


3 The message "Enter Pin" will appear. Enter your 4-digit PIN number.

4 The “V-chip” screen will appear. Move the joystick down to select “MPAA Rating,” press the joystick to enter.



5 The “MPAA rating” screen will appear. MPAA category. Moving the joystick up or down 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, move the joystick to the right to activate it.
A selected letter (“U” or “B”) will be displayed. Move the joystick up or down to select “U” or”B”.
Move the joystick to the right to save the settings.
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.

2 Move the joystick up or down to select “V-Chip”, then press the joystick to enter.

3 Enter your PIN number, and move the joystick to the right to temporarily disable the V-Chip Lock.

SAMSUNG

PLASMA DISPLAY PANEL

Appendix

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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.

This PDP applies to Class B digital device.
(Note: Class B system is for home use.)
This PDP has been registered for residential use in terms of EMI. So it can be used in all areas as well as residential areas.

Model		HPN5039 (TYPE NO: AX50P3)
Dimensions	Display	1204.6(W) X 79(D) X 724(H) mm; 47.43(W) X 3.11(D) X 28.5(H) inches
	Remote Control	54 (W) X 31.5 (D) X 220 (H) mm ; 2.13 (W) X 1.24 (D) X 8.66 (H) inches
Weight	Display	43 kg ; 94.79 lbs {48 kg ; 105.82 lbs (with stand)}
	Remote Control	150g (including batteries) ; 0.33lbs
Voltage		120V~, 60Hz
Power Consumption		400 Watts
Number of Pixels		1366(H) X 768(V)
Screen Size		127 cm/50 inches
ANTENNA input		VHF, UHF (75Ω unbalanced)
VIDEO input		VIDEO S-VIDEO COMPONENT 1 - 480i / 480p / 720p / 1080i COMPONENT 2 - 480i / 480p / 720p / 1080i RGB : D-SUB 15P DVI
AUDIO input		VIDEO / S-VIDEO COMPONENT 1 COMPONENT 2 PC (RGB) DVI
AUDIO output		10W + 10W (8 Ω) Subwoofer (500mv RMS at 1KHz)

Memo