



SAMSUNG **PLASMA DISPLAY**

with WIRELESS HOME AV CENTER

Owner's Instructions
HP-P5091



Important Warranty Information Regarding Television Format Viewing

Wide screen format PDP Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video.

The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving.

Displaying stationary graphics and images on screen, such as the dark side-bars on nonexpanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.

Viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions.

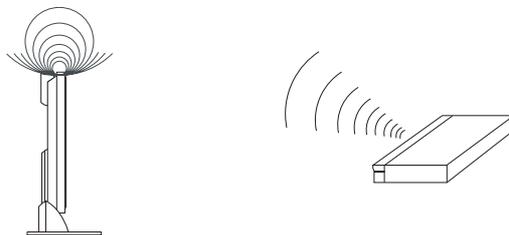
Displaying stationary images that exceed the above guidelines can cause uneven aging of PDP Displays that leave subtle, but permanent burned-in ghost images in the PDP picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars.

On PDP models that offer picture sizing features, use these controls to view different formats as a full screen picture.

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

Notes on the WIRELESS HOME AV CENTER Installation

- **The wireless signal is transmitted/received from the front of the WIRELESS HOME AV CENTER using an internal antenna.**
- **Depending on the installation location of the WIRELESS HOME AV CENTER and the PDP, the Video signal may be unstable if the communication conditions are unstable.**
- **Note on Wireless Communication and the Internal Antenna of the WIRELESS HOME AV CENTER**



- Weak communication levels might be found in the side area of the WIRELESS HOME AV CENTER and the PDP and their extension lines.
- For a better video reception, the PDP needs a line of sight to the WIRELESS HOME AV CENTER.

To Ensure Optimum Wireless Conditions

- Do not place metal objects, CDs, DVDs, or any metallic components near the WIRELESS HOME AV CENTER.
- Set the WIRELESS HOME AV CENTER and PDP apart from other connecting devices in order to clear the wireless communication area.
- Avoid installation near a water tank, bathtub, and crowded areas.
- Avoid installation near metal framework, furniture, or any other metal objects.
- Do not use other wireless devices that are not required.

User Instructions

- **This product is restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations.**

- **Screen Image retention**

Do not display a still image (such as on a video game or when hooking up a PC to this PDP) on the plasma display panel for more than several minutes as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, refer to page 48 of this manual to reduce the degree of brightness and contrast of the screen when displaying a still image.

- **Altitude**

The PDP will not operate normally at altitudes above 6500 ft.

- **Heat on the top of the PDP TV**

The top side of the product may be hot after long periods of use as heat dissipates from the panel through the vent hole in the upper part of the product. This is normal and does not indicate any defect or operation failure of the product. However, children should be prevented from touching the upper part of the product.

- **The product is making a 'cracking' noise.**

A 'cracking' noise may occur when the product contracts or expands due to a change of surrounding environment such as temperature or humidity. This is normal and not a defect of the unit.

- **Cell Defects**

The PDP uses a panel consisting of 1,230,000(SD-level) to 3,150,000(HD-level) pixels which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

- **Avoid operating the TV at temperatures below 5°C(41°F)**

- **A still image displayed too long may cause permanent damage to the PDP Panel.**



Watching the PDP TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and center of the screen caused by the difference of light emission on the screen.

Playing a DVD or a game console may cause similar effect to the screen. Damages caused by the above effect are not covered by the Warranty.

- **Afterimage on the Screen.**

Displaying still images from Video games and PC for longer than a certain period of time may produce partial afterimages.

To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images for a long time.

- **Warranty**

Warranty does not cover any damage caused by image retention. Burn-in is not covered by the warranty.

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Note

- The information contained in this User's Manual is subject to change without prior notice for improvement, and may vary depending on the version of the PDP TV's software and the regional conditions.

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PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

General Information

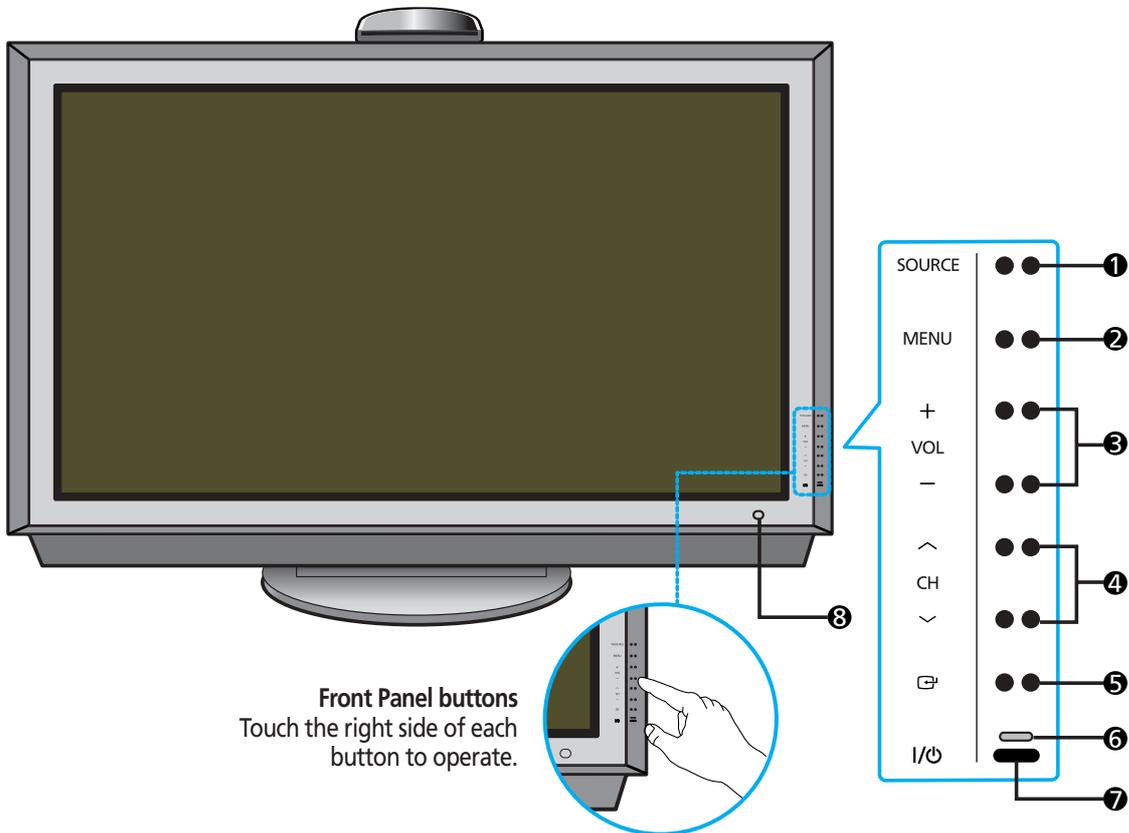


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Your New Plasma Display Panel

Front Panel



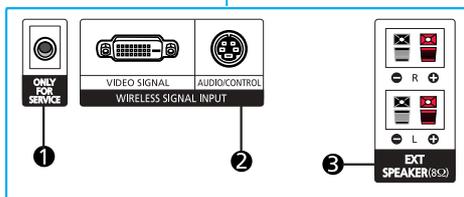
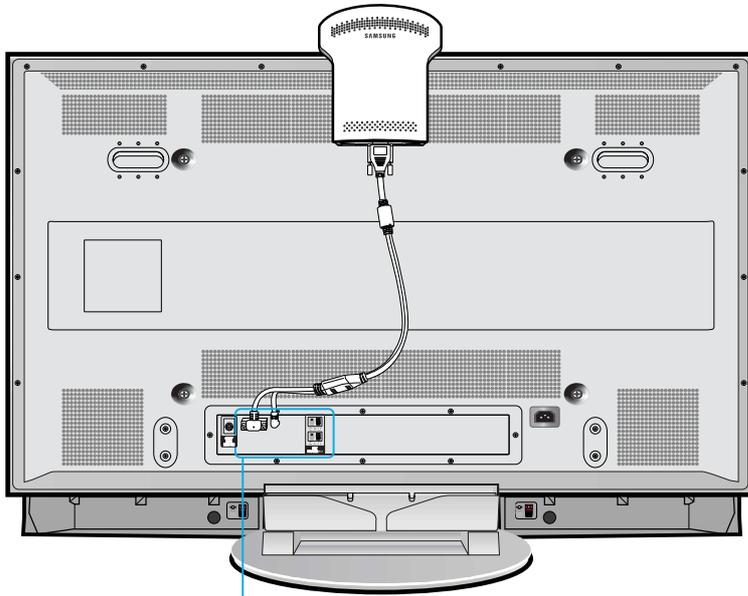
Front Panel buttons
Touch the right side of each button to operate.

- 1 SOURCE button**
Press to toggle between all the external input sources (ie., Component, AV1, AV2, and S-Video).
- 2 MENU button**
Displays the main on-screen menu.
- 3 VOL(+, -) buttons**
Press to increase or decrease the volume. Also used to select or adjust items on the on-screen menu.
- 4 CH(^, v) buttons**
Press CH ^ or CH v to change Channels.
Also used to move up or down in the On-screen menu.
- 5 ENTER(⏏) button**
Press to confirm a selection.
- 6 POWER Indicator**
Power Off : LED Red
Power On : LED Off
- 7 POWER(I/O) button**
Press to turn the PDP on and off.
- 8 Remote Control Signal Receiver**
Aim the remote control towards this spot on the PDP.

Note

- External speakers and stand are sold separately.

Rear Panel



1 ONLY FOR SERVICE

For Service only

2 WIRELESS SIGNAL INPUT

Connect to the WIRELESS AV RECEIVER's A/V SIGNAL Port located in the middle of your PDP's rear panel at the top.

3 EXT SPEAKER (8Ω)

Connect external speakers to your PDP.

▶ Ferrite Cores

The ferrite cores are used to attenuate undesired signals. When connecting cables, attach one of these ferrite cores to the cable near the connector. For instructions refer to page 23.

Note

- External speakers(PSN5042) and stand(SMN5040) are sold separately.

Checking Accessories

Once you have unpacked your PDP with WIRELESS HOME AV CENTER, check to make sure that you have all the parts shown here. If any piece is missing or broken, call your dealer.



Remote Control/
AAA Batteries
(MD59-00355A)



Antenna Cable
(BN39-00333A)



Wireless signal cable
(MD39-00108A)



Speaker Cables
(BN39-00530A)



Power Cord (3903-000085)



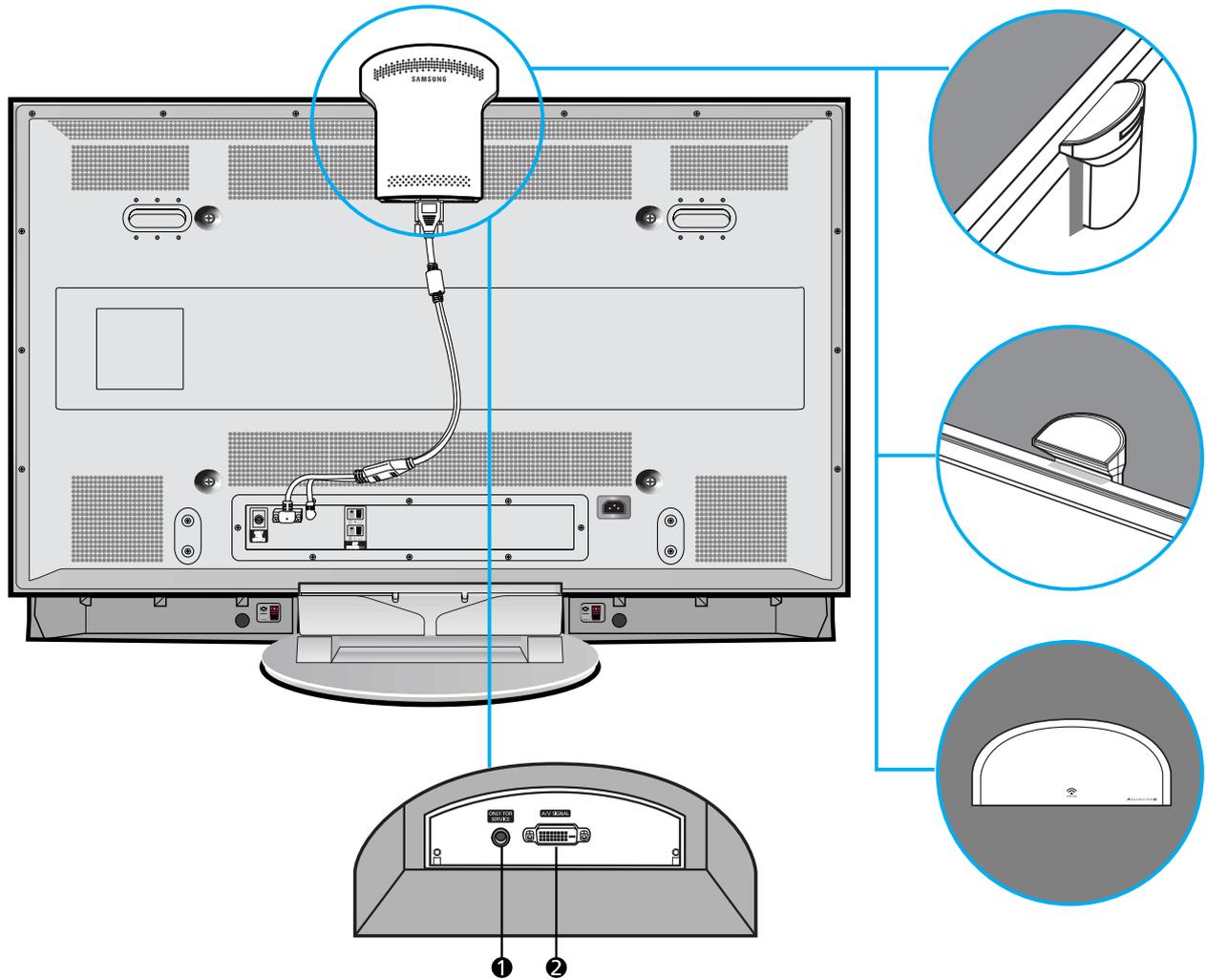
Ferrite Cores : 2EA (3301-001201)



Owner's Instructions



WIRELESS AV RECEIVER



1. ONLY FOR SERVICE
For Service only

2. AV SIGNAL JACK
Connect to the WIRELESS SIGNAL INPUT Port on the rear of the PDP.



Your WIRELESS HOME AV CENTER

Front Panel



1 POWER

Press to turn the power on or off.

Power On : GREEN

Power Off : RED

2 Wireless LED

This LED will light green when Wireless communication is successful.

3 DTV(LED)

This LED will light green when the DTV signal is recognized. The LED remains unlit for non-DTV signals.

4 SOURCE

Press to toggle between all the external input sources (ie., Component, AV1, AV2, and S-Video).

5 INFO

Press to display information about the current box settings and program:
Channel number, Time, Program title, Program duration, Caption, Rating Control, Digital Picture grade, and MTS language.

6 MENU

Press to display the on-screen menus.

7 ENTER

Press to activate a selection when using the on-screen menus.

8 ARROW (UP/DOWN/LEFT/RIGHT)

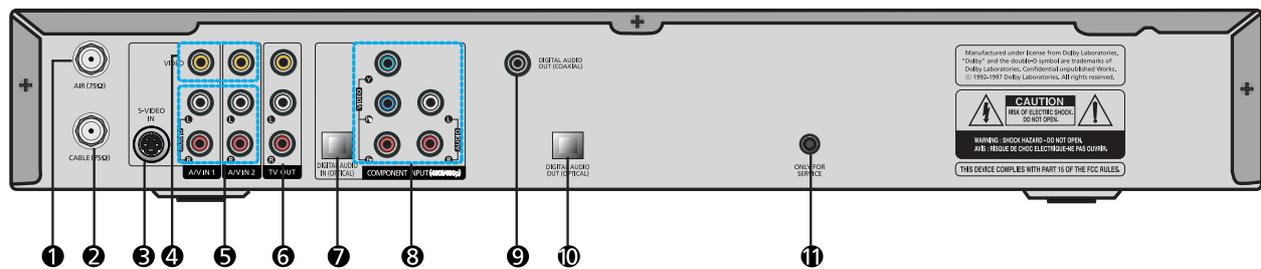
Push these buttons to navigate the on-screen Guide and menu system.

Used for CH \wedge / \vee and VOL \pm .

Note

- Before use, remove the protective plastic sheet attached to the front panel of the WIRELESS HOME AV CENTER.

Rear Panel



1 AIR (75Ω)

The cable from an off-air TV antenna (not from a satellite dish) connects to this jack. Both standard analog (NTSC) and high definition digital (ATSC) program broadcasts can be received through a single antenna connected to this jack.

2 CABLE (75Ω)

The RG-6 cable from your cable TV provider (if you have one) connects to this jack.

3 S-VIDEO IN

This jack connects your WIRELESS HOME AV CENTER to a VCR that accepts S-Video output.

4 AV1, AV2 (VIDEO IN)

Using standard video cables, these jacks connect your WIRELESS HOME AV CENTER to your VCR.

5 AV1, AV2 (AUDIO L/R IN)

Using standard stereo audio cables, these jacks provide stereo audio for your VCR or A/V receiver.

6 TV OUT

This jack connects your WIRELESS HOME AV CENTER to a VCR or a second TV.

Note

- The video output TV OUT works only for AIR and CABLE input sources. TV OUT does not work for other external input sources such as AV1, AV2, S-VHS, and Component. The audio signal works for all external input sources.

7 DIGITAL AUDIO IN (OPTICAL)

Using an optical digital audio cable, this jack allows you to connect your WIRELESS HOME AV CENTER to a DVD optical digital audio output. Use this terminal for Component mode.

Notes

- Audio bitstreams except Dolby Digital are not supported. These streams include MPEG-1, MPEG-2 and DTS.
- Other devices except DVD player are not supported. These devices include game devices and digital settop boxes.

8 COMPONENT INPUT (Y/Pb/Pr, Audio L/R)

Using standard A/V cables, these jacks connect your WIRELESS HOME AV CENTER to a VCR, HD Set-Top Box or DVD with a High-Definition component video output. 480i and 480p input sources are available.

9 DIGITAL AUDIO OUT (COAXIAL)

Using a coaxial digital audio cable, this jack allows you to connect your WIRELESS HOME AV CENTER to an external Home Theater or A/V receiver with a coaxial digital audio input.

10 DIGITAL AUDIO OUT (OPTICAL)

Using an optical digital audio cable, this jack allows you to connect your WIRELESS HOME AV CENTER to a Home Theater or A/V receiver with an optical digital audio input.

11 ONLY FOR SERVICE

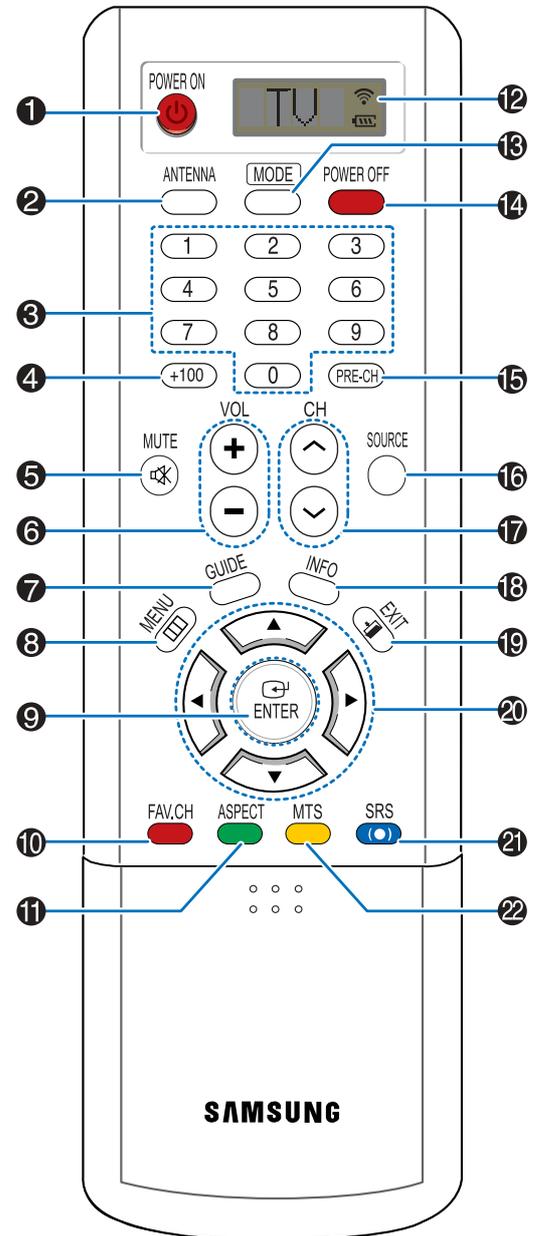
For Service only.



Remote Control Buttons

Remote Control

- 1 POWER ON button**
Turns the PDP and WIRELESS HOME AV CENTER on.
- 2 ANTENNA button**
Alternates the input between Air and Cable.
- 3 Number buttons**
Select the channel directly.
- 4 +100 button**
Selects channels over 100. For example, to select channel 121, press "+100", then press "2" and "1".
- 5 MUTE button**
Mutes the PDP sound.
- 6 VOL (+/-) buttons**
Adjusts volume.
- 7 GUIDE button**
Displays the on-screen Program Guide.
- 8 MENU button**
Displays the on-screen menus or to switch back to the previous menu screen that was displayed.
- 9 ENTER button**
Confirms a selection.
- 10 FAV. CH button**
Switches among your favorite channels.
- 11 ASPECT button**
Changes the screen size.
- 12 LCD Display**
When you press any button, 'Wi' appears along with the selected mode (TV, VCR, CATV, DVD, or STB) and battery status on LCD.
- 13 MODE button**
Selects a target device to be controlled by the Samsung remote control (i.e., VCR, Cable Box, DVD player, Samsung Set-Top Box, or other devices).
- 14 POWER OFF button**
Turns the PDP and WIRELESS HOME AV CENTER off.
- 15 PRE-CH button**
Tunes to the previous channel.
- 16 SOURCE button**
Toggles between all the external input sources (ie., Component, AV1, AV2, and S-Video).
- 17 CH (Channel) (▲/▼) buttons**
Changes channels.
- 18 INFO button**
Displays information on the PDP screen.
- 19 EXIT button**
Exits the menu.



- 20 UP/DOWN/LEFT/RIGHT buttons**
Controls the cursor in the menu.
- 21 SRS button**
Selects TruSurround XT mode. Refer to page 61.
- 22 MTS button**
Chooses stereo, mono or Separate Audio Program (SAP broadcast).

23 AUTO PROG. button

Automatically cycles through all of the available channels and stores them in memory.

24 ADD/DEL button

Adds or deletes channels in the TV's memory.

25 DNle button

Activates DNle (Digital Natural Image engine).

26 SLEEP button

Selects a preset time interval for automatic shutoff.

27 SET button

Sets up the Samsung remote control to work with other devices (VCR, Cable Box and DVD). Refer to page 46.

28 S.MODE button

Selects the sound mode.

29 P.MODE button

Adjust the PDP picture by selecting one of the preset factory settings (or select your personal, customized picture settings.)

30 CAPTION button

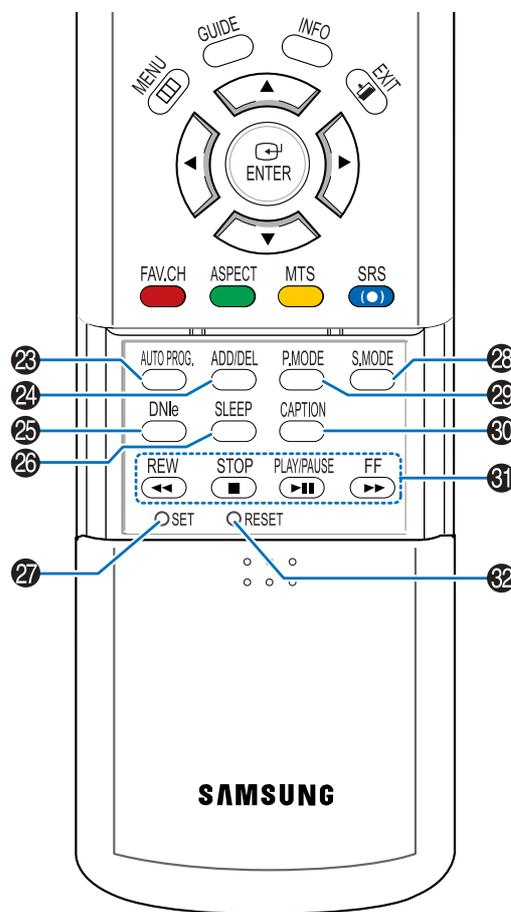
Controls the caption decoder.

31 VCR, DVD control buttons

Controls VCR tape or DVD disc functions: Stop, Rewind, Play/Pause, and Fast Forward.

32 RESET button

If your remote control is not functioning properly, take out the batteries and press the reset button for about 2~3 seconds. Re-insert the batteries and try using the remote control again.

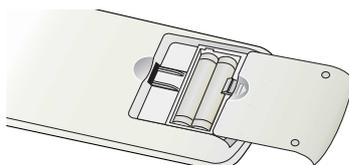


Installing the Batteries in Your Remote Control

1 Slide the back cover to open the battery compartment of the remote control.



2 Install two AAA size batteries. Make sure to match the "+" and "-" ends of the batteries with the diagram inside the compartment.



3 Slide the cover back into place.



Remote Control Operation Range.

You can use your remote control within a distance of 23 feet and an angle of 30 degrees from the left and right sides of the PDP's remote control receiver.

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PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

Connections



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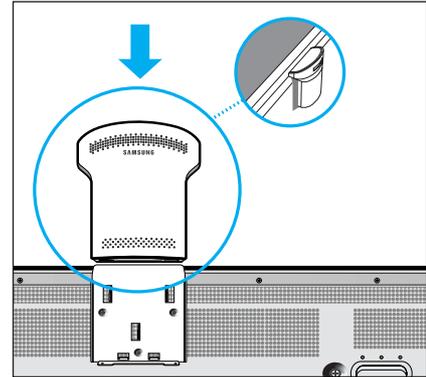


Connecting the PDP to the WIRELESS HOME AV CENTER

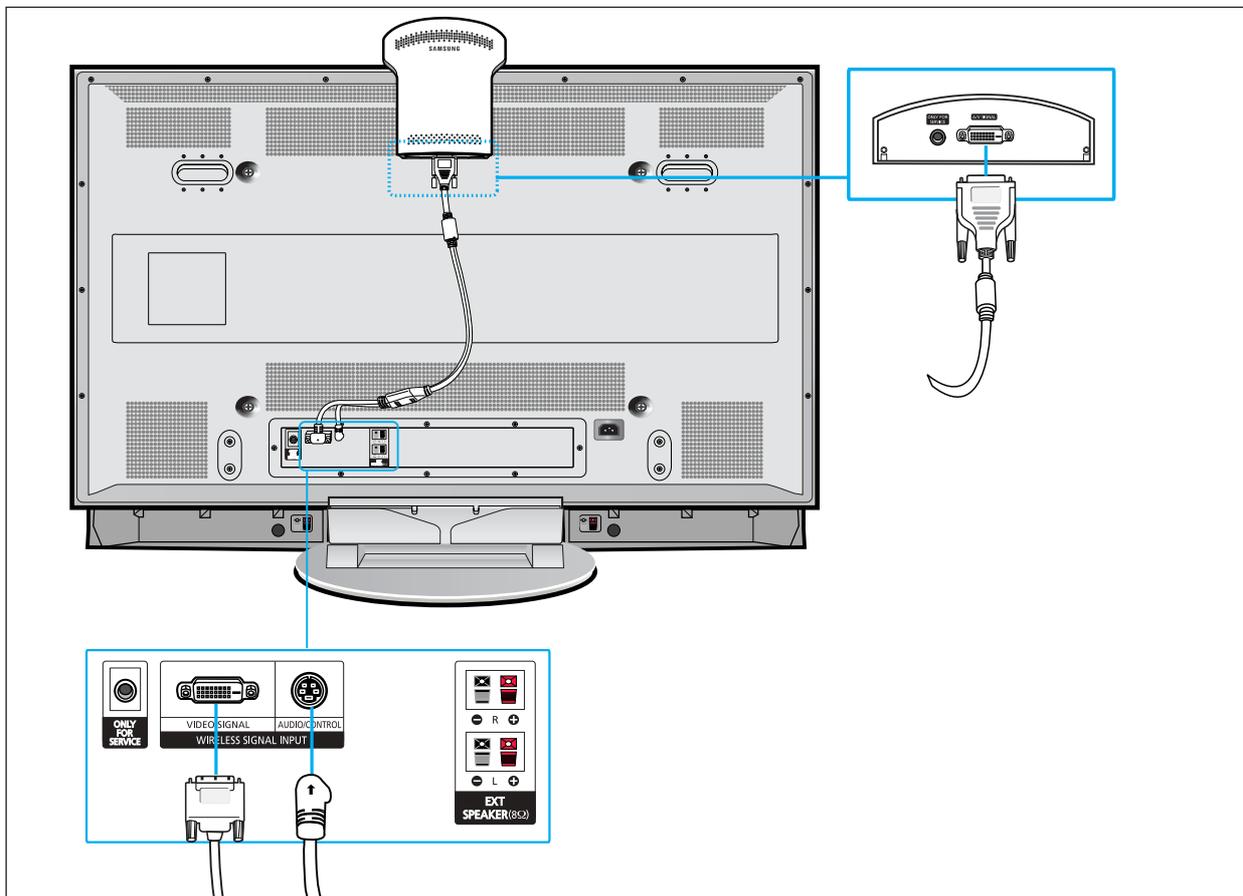
Connecting the PDP to the WIRELESS HOME AV CENTER

- 1 Make sure your PDP, A/V receiver and WIRELESS HOME AV CENTER are turned off and unplugged.

- 2 Install the WIRELESS HOME AV RECEIVER onto the bracket located at the top of the PDP's rear panel, in the direction of the arrow (as illustrated).



- 3 Connect the Wireless Signal cable from the WIRELESS SIGNAL INPUT Video Signal and Audio/Control ports on the rear of the PDP to the A/V SIGNAL Port on the bottom of the WIRELESS AV RECEIVER.



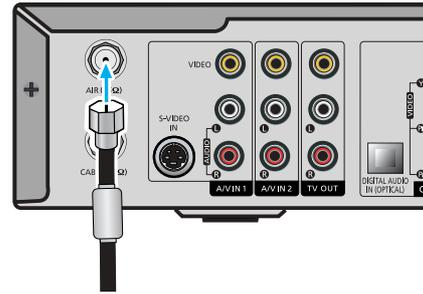


Connecting VHF and UHF Antennas

Antennas with 75-ohm Round Leads

If your antenna looks like this:  it has 75-ohm round leads.

- 1 Plug the antenna lead into the AIR terminal on the WIRELESS HOME AV CENTER.
Use the antenna cable included in the product package.



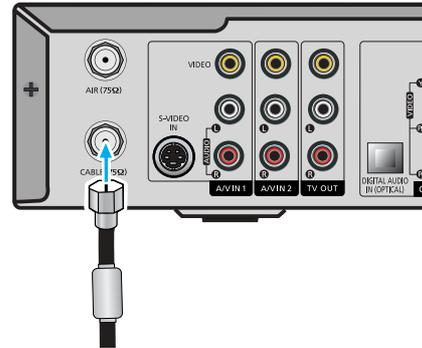


Connecting Cable TV

You can connect different cable systems to your WIRELESS HOME AV CENTER, including cable without a Cable box, and cable with a Cable box that descrambles some or all channels.

Cable without a Cable Box

- 1 Plug the incoming cable into the cable terminal on the WIRELESS HOME AV CENTER.
Use the antenna cable included in the product package.

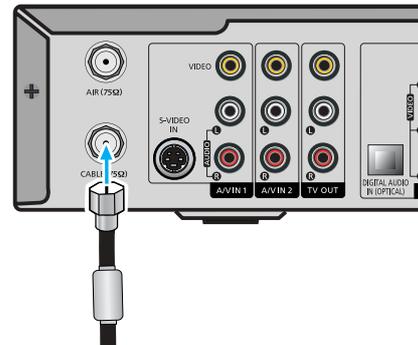


Cable with a Cable Box that Descrambles All Channels

- 1 Find the cable connected to the ANTENNA OUT terminal on your Cable box. This terminal might be labeled "ANT OUT", "VHF OUT" or simply "OUT".



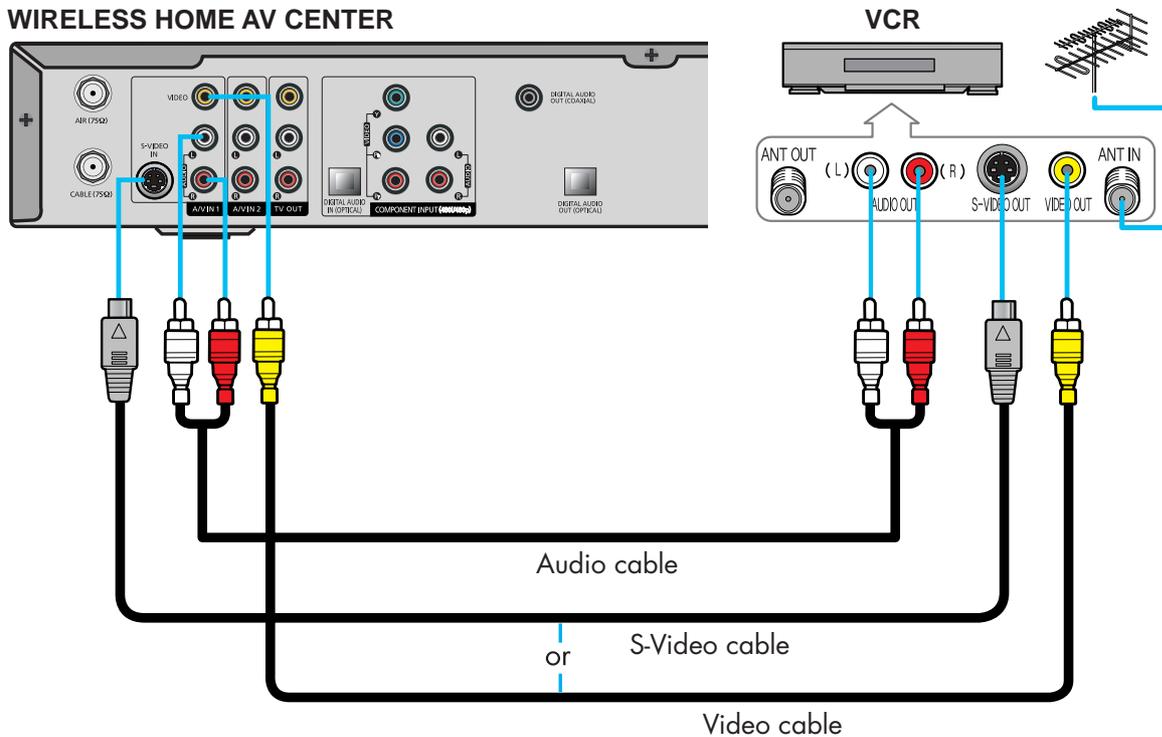
- 2 Connect the cable to the cable terminal on the WIRELESS HOME AV CENTER.
Use the antenna cable included in the product package.





Connecting a VCR

Connecting a VCR to the Video or S-Video/Audio jack



How to Connect

Connect the Video/Audio cables between the VIDEO or S-VIDEO / L - AUDIO - R jacks to the WIRELESS HOME AV CENTER and VIDEO or S-VIDEO / L - AUDIO - R output jacks on the VCR. (Note: For better video, use an S-Video cable.)

Note

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

Videotape Playback:

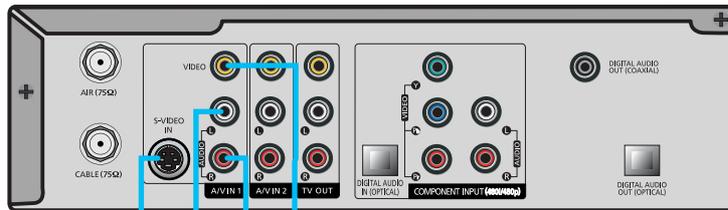
1. Turn on your PDP and WIRELESS HOME AV CENTER.
2. Press the SOURCE button to select "VIDEO(AV1 or AV2)" or "S-VIDEO".
3. Turn on your VCR, insert a videotape and press the Play button.



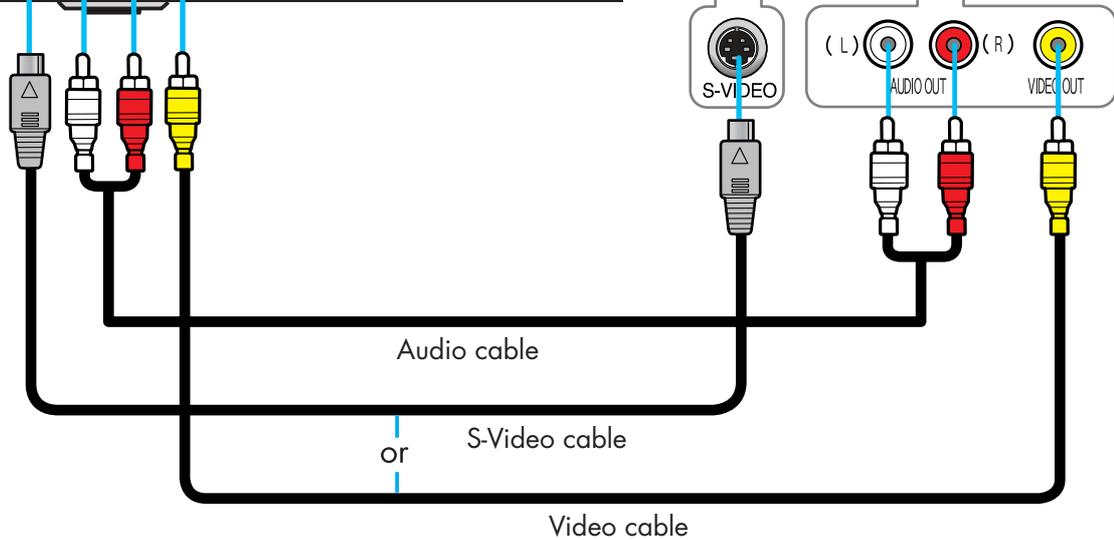
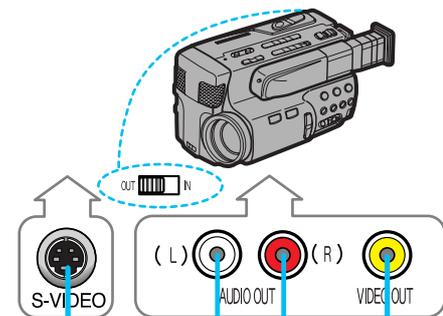
Connecting a Camcorder

Viewing camcorder tapes

WIRELESS HOME AV CENTER



Camcorder



How to Connect

Connect a Video/Audio cable between the VIDEO or S-VIDEO / L - AUDIO - R jacks to the WIRELESS HOME AV CENTER and the VIDEO or S-VIDEO / AUDIO output jacks on the camcorder. (Note: For better video, use an S-VIDEO cable.)

Note

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

Viewing Tapes

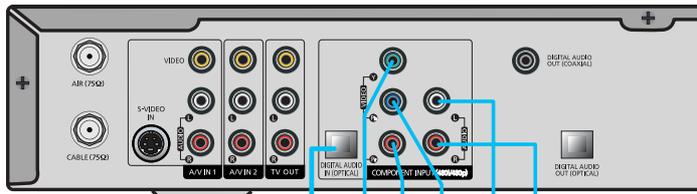
1. Turn on your PDP and WIRELESS HOME AV CENTER.
2. Press the SOURCE button to select "VIDEO(AV1 or AV2)" or "S-VIDEO".
3. Turn on your camcorder and set it to video mode. (For details, refer to your camcorder owner's instructions.)
4. Set the IN/OUT switch on your camcorder to OUT.
5. Insert the tape into the camcorder and press the Play button.



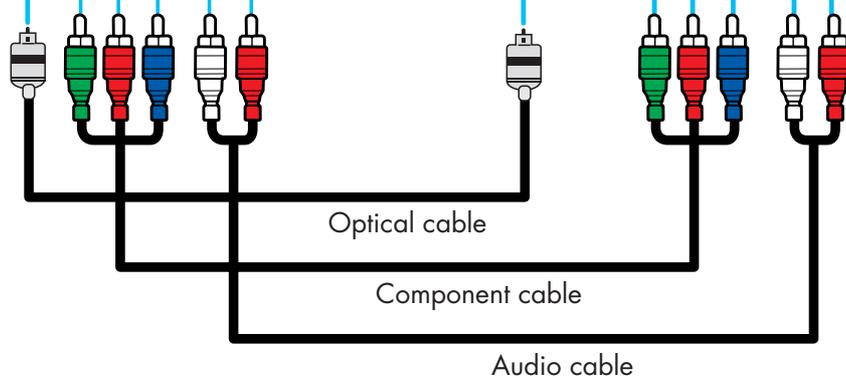
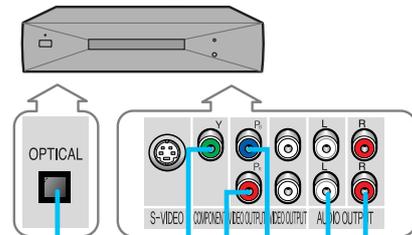
Connecting a DVD Player (480i, 480p)

Playing DVD

WIRELESS HOME AV CENTER



DVD Player



How to Connect

- 1 Connect the Y, Pb, Pr (COMPONENT) input jacks on the WIRELESS HOME AV CENTER to the Y, Pb, Pr output jacks on the DVD player using a component cable.
- 2-1 Connect the AUDIO L/R (COMPONENT) input jacks on the WIRELESS HOME AV CENTER to the AUDIO output jacks on the DVD player using an audio cable.
or
- 2-2 Connect the optical input jack on the WIRELESS HOME AV CENTER to the optical output jack on the DVD player using an optical cable.

Note

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

To Play DVD:

1. Turn on your PDP and WIRELESS HOME AV CENTER.
2. Press the SOURCE button to select "COMPONENT".
3. Select the Audio input source to SPDIF or Lt/Rt in the PDP menu. Select SPDIF when using the Optical cable, and Select Lt/Rt when using the Stereo Audio cables.
4. Turn on your DVD player, insert a DVD disc and press the Play button.
 - For an explanation of component video, see your DVD owner's instructions.

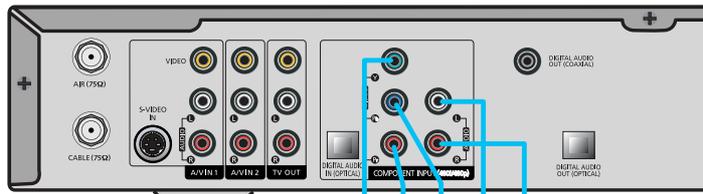


Connecting a DTV Receiver (480i, 480p)

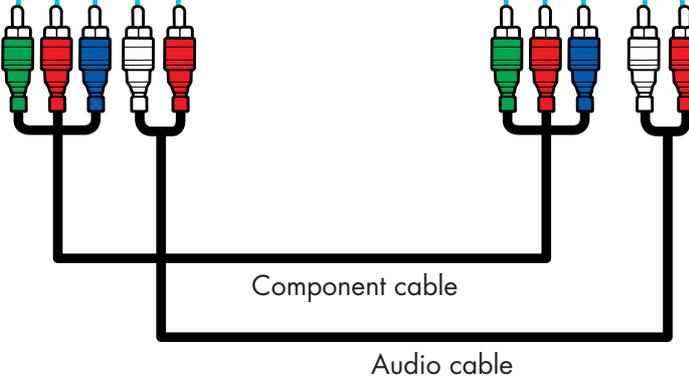
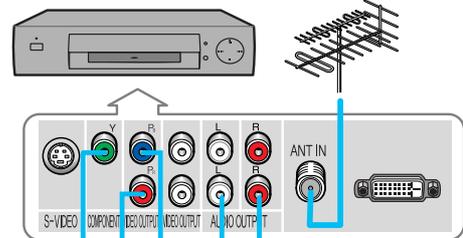
Note: WIRELESS HOME AV CENTER does not take 720p and 1080i.

Watching DTV

WIRELESS HOME AV CENTER



DTV Receiver



How to Connect

- 1 Connect the cable or antenna to the antenna input jack on the DTV receiver.
- 2 Connect the Y, Pb, Pr (COMPONENT) input jacks on the WIRELESS HOME AV CENTER to Y, Pb, Pr output jacks on the DTV receiver using a component cable.
- 3 Connect the AUDIO L/R (COMPONENT) input jacks on the WIRELESS HOME AV CENTER to the AUDIO output jacks on the DTV receiver using an audio cable.

Notes

- Please be sure to match the color coded input terminals and cable jacks.
- When you want to connect DTV satellite receiver or DTV cable receiver to the component jack on the WIRELESS HOME AV CENTER, please use Lt and Rt jacks for audio input instead of using DIGITAL AUDIO INPUT (OPTICAL).

To Watch DTV:

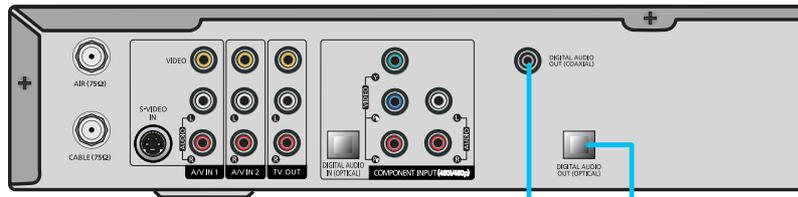
1. Turn on your PDP and WIRELESS HOME AV CENTER.
2. Press the SOURCE button to select "COMPONENT".
3. Turn on your DTV receiver.
 - For an explanation of component video, see your DTV receiver owner's instructions.



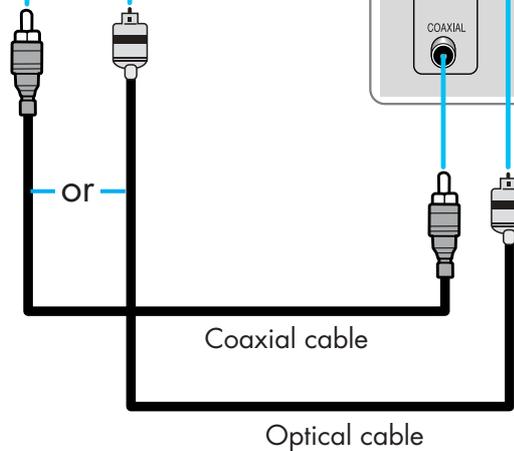
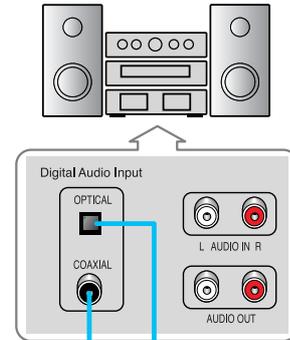
Connecting a Digital Audio System

There are many types of digital audio systems on the market today. A simplified illustration of an audio system is shown below. For more information, see your audio system owner's manual.

WIRELESS HOME AV CENTER



Digital Audio System



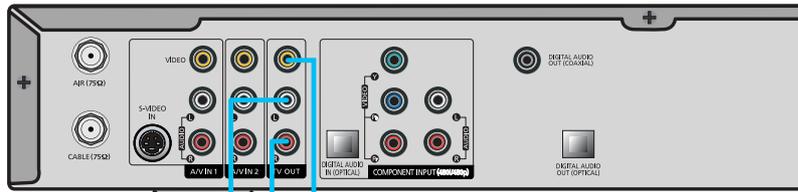
How to Connect

- 1 If your audio system has a coaxial digital audio input, connect to the "COAXIAL" output jack on the WIRELESS HOME AV CENTER.
- 2 If your audio system has an optical digital audio input, connect to the "OPTICAL" output jack on the WIRELESS HOME AV CENTER.
Be certain to remove the black cover from the optical output before inserting the cable.
- 3 If your system has both coaxial and optical digital audio inputs, SAMSUNG recommends you use the optical digital output on the WIRELESS HOME AV CENTER.
Do not connect both optical and coaxial cables. This may damage your audio system.
 - OPTICAL: Converts the electric signal into an optical light signal, and transmits it through glass fibers.
 - COAXIAL: The digital audio signal is received through a coaxial copper cable.

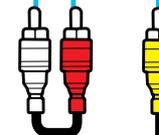
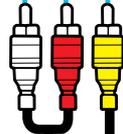
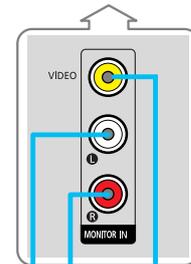
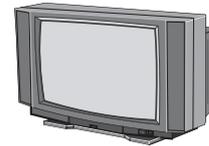


Connecting to a second TV

WIRELESS HOME AV CENTER



TV



Audio cable

Video cable

How to Connect

Connect the Video/Audio cables between TV out / L - AUDIO - R jacks on the WIRELESS HOME AV CENTER to VIDEO / L - AUDIO - R input jacks on the second TV.

Notes

- Please be sure to match the color coded input terminals and cable jacks.
- TV OUT works only for the AIR and Cable input sources. It does not work for the external input sources because of content protection.

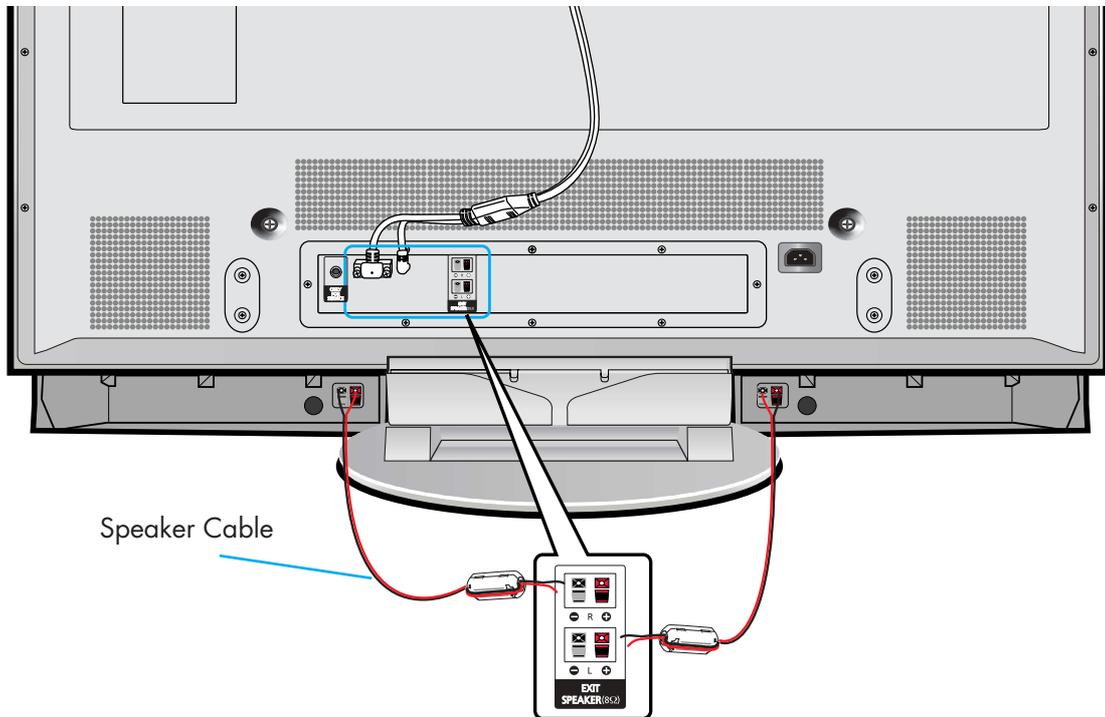
Videotape Playback:

1. Turn on your PDP and WIRELESS HOME AV CENTER.
2. Turn on your TV.



Connecting Speakers

External speakers are sold separately. Check with your dealer.



- ★ External speakers **MUST** have a power handling capability of 12 watts minimum (impedance 8 ohm).

How to Connect

Connect the speaker audio cable to the external speaker output jack on the PDP matching the "+" and "-" ends of the cable with the diagram on the PDP.

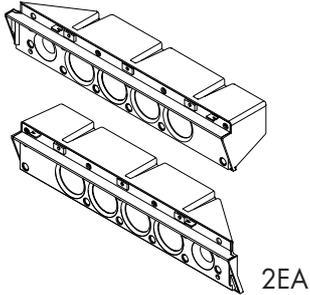


Installing the Speakers

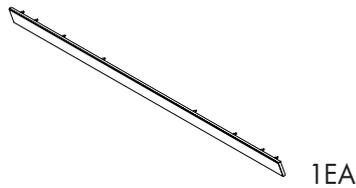
This speaker installation guide is for the PSN5042 speakers.

Parts

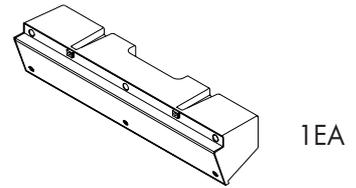
Speakers



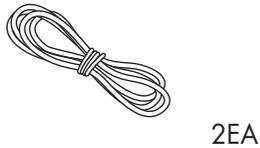
Speaker Dust Cover



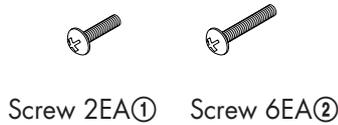
Middle Cabinet (Wall Mount Only)



Speaker Cable

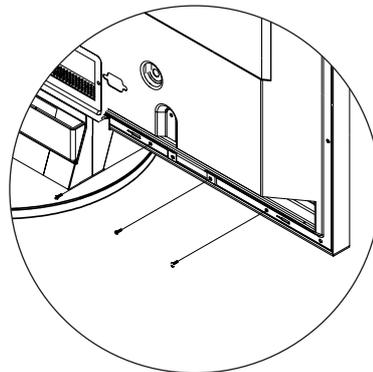
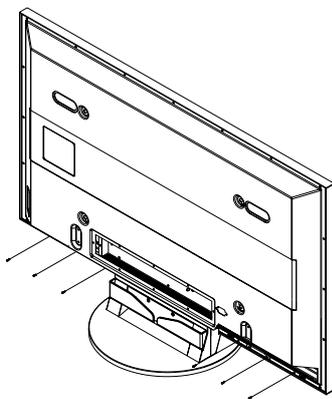


Screws

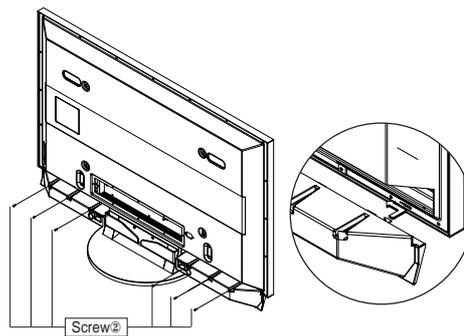


How to Attach the Speakers when using the Stand

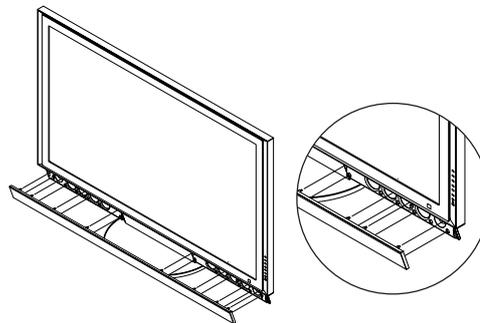
- 1 Remove the screws indicated on the rear of the PDP (6 screws on the left and right sides).



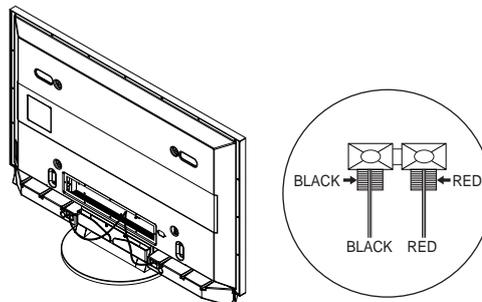
-
- 2** Set the speaker guide bracket into the square grooves located on either side of the PDP's bottom rear, then push the speaker guide bracket towards the center (as the arrow illustrates). Secure the speaker guide bracket with provided screws ②. (Always use the proper screws, as indicated.)



-
- 3** Secure the speaker dust cover by setting it into the grooves located on the front side of the speakers.



-
- 4** Connect the speakers to the PDP using the speaker cable. The connection terminals are on the rear side of both the PDP and the speakers. (Match the color coded terminals and cables.)

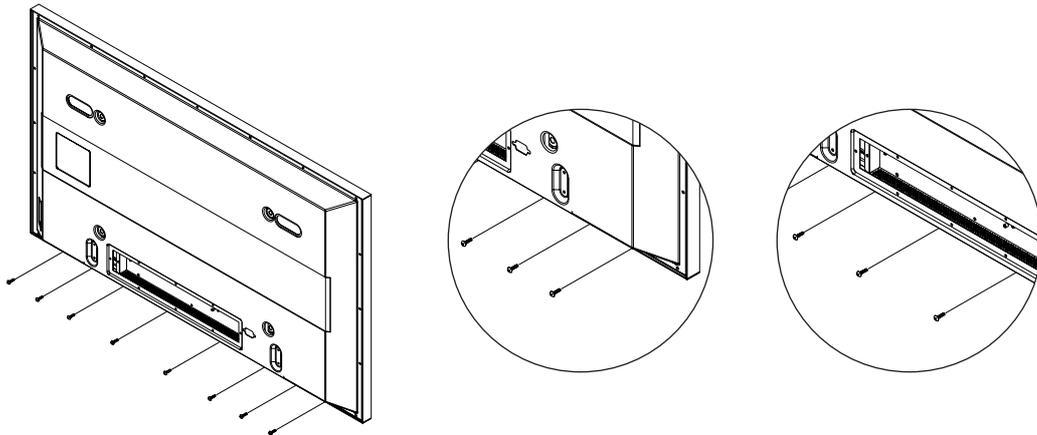


Notes

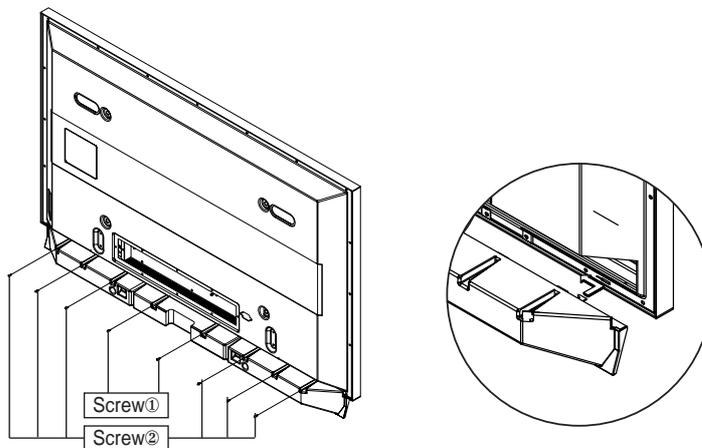
- When moving the PDP with the speakers attached, be sure to hold on to the PDP to prevent damage. (Damage may occur to the speaker connecting brackets or the speakers.)
- Speakers of 8Ω impedance, 12W Nom. Power, 30W Max. Power is recommended.

● How to Attach the Speakers when using the Wall Mount

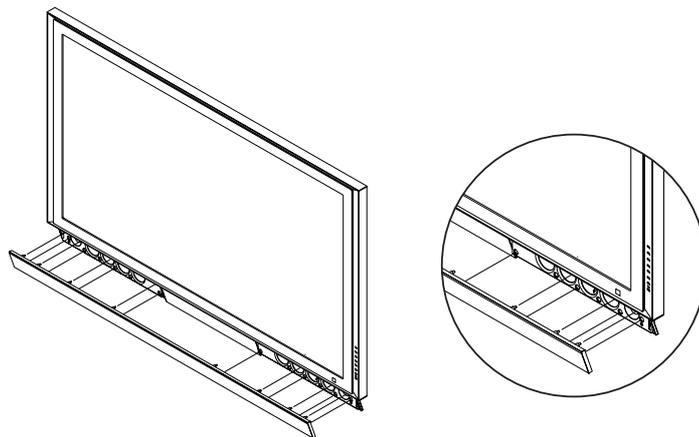
- 1 Remove the screws indicated on the rear of the PDP (6 screws on the left and right sides, 2 screws on the center).



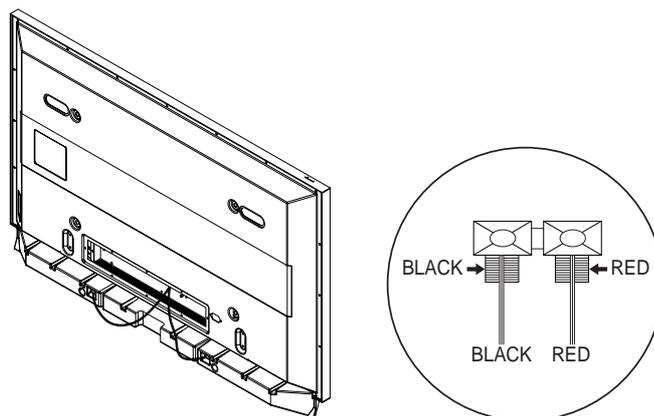
- 2 Set the speaker guide bracket into the square grooves located on either side of the PDP's bottom rear, then push the speaker guide bracket towards the center (as the arrow illustrates). Secure the speaker guide bracket with provided screws ②. Secure the middle cabinet to the center of the PDP with a screw ①. (Always use the proper screws, as indicated.)



-
- 3** Secure the speaker dust cover by setting it into the grooves located on the front side of the speakers.



-
- 4** Connect the speakers to the PDP using the speaker cables. The connection terminals are on the rear side of both the PDP and the speakers. (Match the color coded terminals and cables.)



Notes

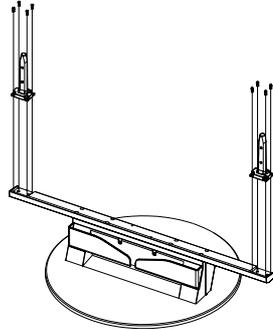
- When moving the PDP with the speakers attached, be sure to hold on to the PDP to prevent damage. (Damage may occur to the speaker connecting brackets or the speakers.)
- Speakers are 8 Ω impedance, 12W Nom. Power, 30W Max. Power is recommended.



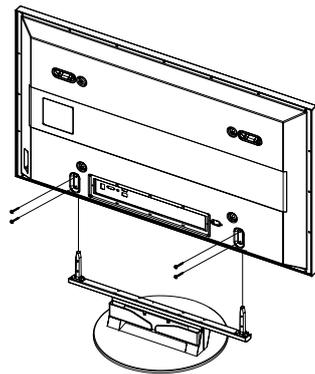
How to assemble and attach the Stand-Base

This guide is for the SMN5040 stand.

- 1 Firmly secure the pegs to the both sides of the stand base using 8 screws provided.



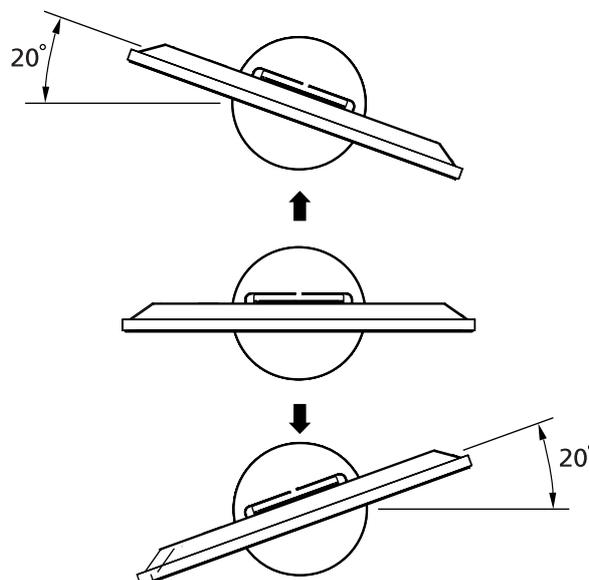
- 2 Using the 4 screws for securing the stand pegs and the monitor, firmly attach the monitor to the stand pegs. (The exterior of the set may be different than the picture.)



Warning

Firmly secure the stand for the PDP before moving it, as the stand may fall and could cause serious injury.

- 3 For your convenience, the angle of the PDP may be adjusted up to 20° left/right.



Note

- Stand is sold separately. Check with your dealer.



Wall Installation Instructions

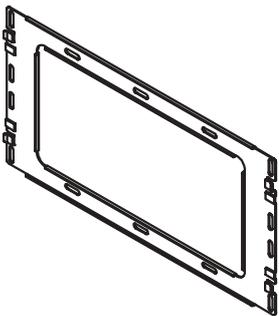
Installation Notes

- 1 Do not install the PDP in any location other than a vertical wall.
- 2 To protect the performance of the PDP and prevent problems, avoid the following locations :
 - Next to smoke and fire detectors.
 - Areas subject to vibration.
 - Areas subject to high voltage.
 - Near or around any heating apparatus.
- 3 Use only recommended parts and components.

➤ This wall mount bracket installation guide is for the following model : HP-P5091

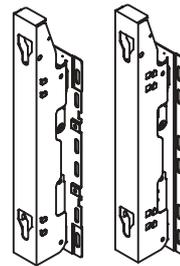
Parts (Wall attachment panel is sold separately. Check with your dealer.)

Wall Mount Bracket



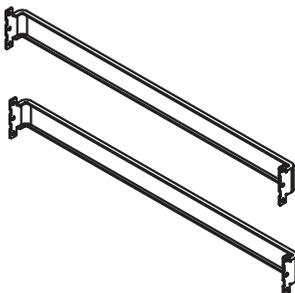
1EA

ASSY-HINGE



LEFT : 1EA RIGHT : 1EA

Support Bars



2EA

Screws



Insulation Holder : 4 EA



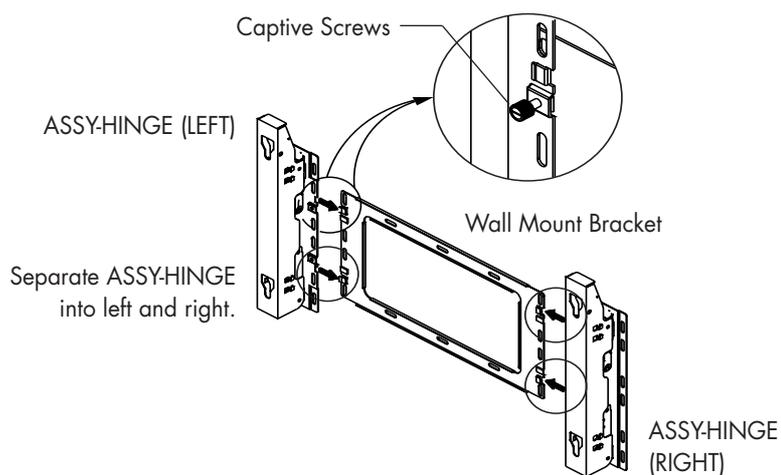
SCREW ① : 4 EA



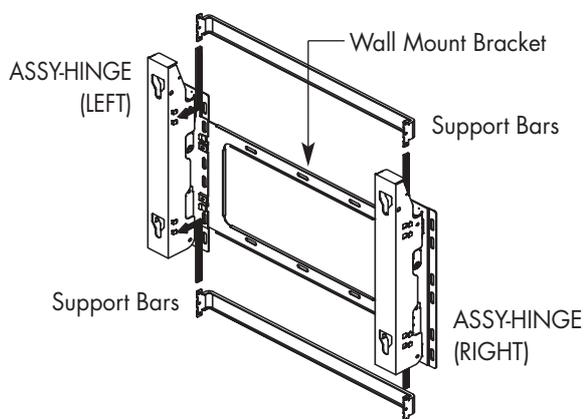
SCREW ② : 12 EA

How to assemble the Wall Mount Bracket

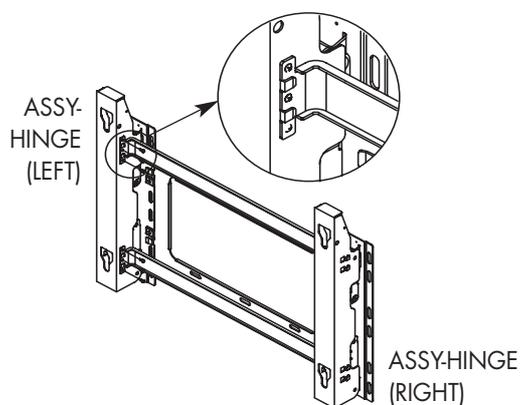
- 1 The wall mount comes packaged in 3 parts. These parts must be assembled together. Please tighten the captive screws(4EA) in the direction of the arrow after assembling the bracket. Install the Wall Mount Bracket after the screws are securely inserted into the wall.



- 2 After installing the wall mount bracket, assemble the support bars and hinges (as illustrated) using screws provided. (12 screws(②) are provided. For safety reasons, make sure all 12 screws are firmly attached.)

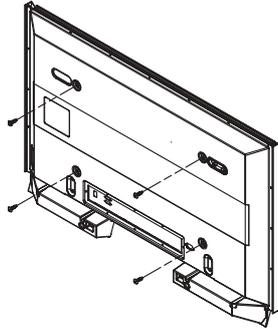


- 3 After securing the screws, be sure that every part is firmly attached (as shown in the illustration).



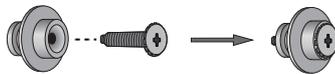
● Fixing the PDP panel to the wall attachment panel bracket

- 1** Remove the screws on the rear of the PDP panel.

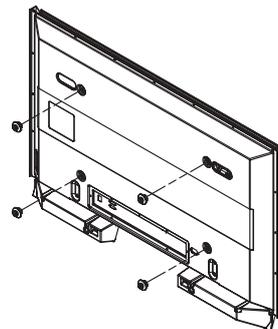


- 2** Connect insulation holders to screws (see the illustration below).

- If you are uncertain about installation, hire an Installation Specialist to install the wall mount bracket.
- Be sure to check that the insulation holders are completely secured on both the left and right side after hanging the PDP on the wall mount bracket.
- Be careful to avoid getting your fingers caught during installation.
- Make sure the wall attachment panels are tightened. Otherwise the PDP may fall.



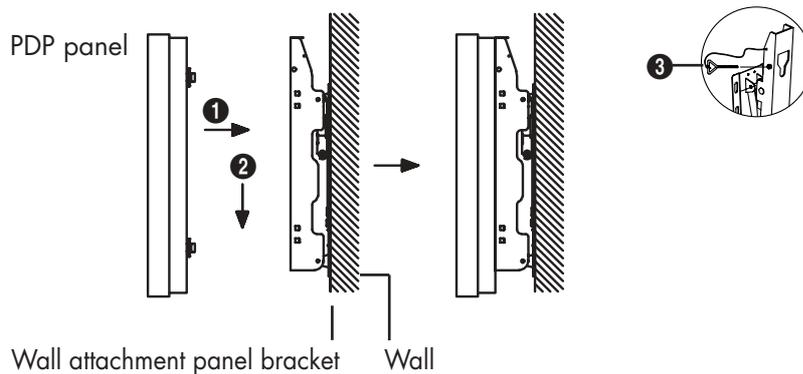
- 3** Tighten the screws of the Insulation holders to the back of the PDP.



Note

- A 5 inch(12.7 cm) gap is needed between the back of the Plasma TV and the wall.

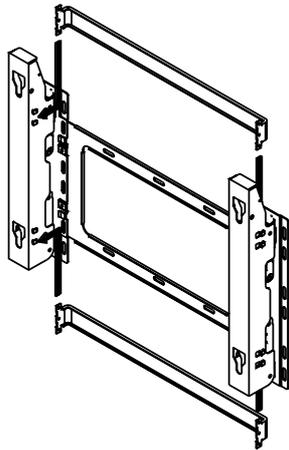
- 4** Put the 4 insulation holders on the PDP in the grooves of the wall mount bracket and pull down on the PDP (1) to secure it to the wall mount bracket. (2) Tighten the screws as shown (3) so that the PDP cannot be separated from wall mount bracket.



● How to Adjust Mounting Angle

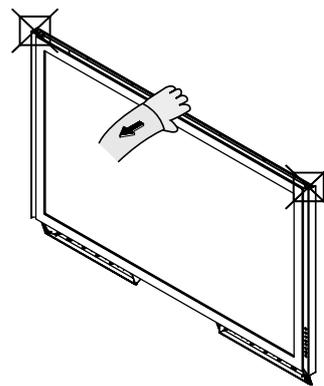
Note : Please secure the mounting bracket on the wall surface after setting its angle at 0°

Factory default



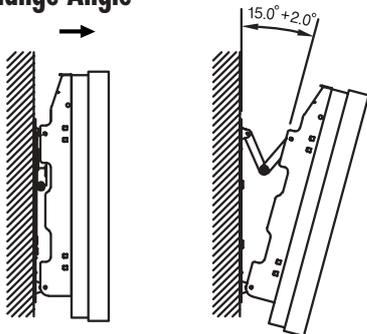
The wall mount bracket is sold separately. Please tighten the captive screw in the direction of the arrow after assembling the bracket.

How to Adjust Mounting Angle



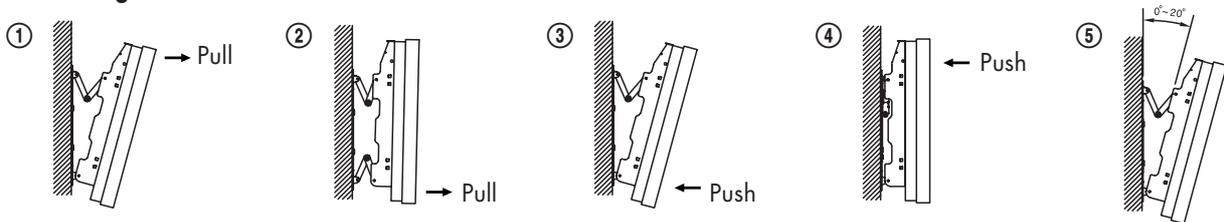
Hold onto the middle of the PDP to adjust the angle (not the sides of the PDP).

Change Angle



- 1 Secure the PDP to the wall mount bracket. (Please refer to the following instructions.)
- 2 Set the angle by pulling the upper end of the PDP attached to bracket in the direction of the arrow.
- 3 The angle can be adjusted from 0° to 15° by $\pm 2^\circ$.

Connecting External Devices to the PDP



- ① Hold the top side of the Set and pull it to the front.
- ② Before connecting cables, hold the bottom side of the Set and pull it to the front.
- ③ After connecting cables, push the bottom side of the Set back in.
- ④ Push the topside of the Set back in.
- ⑤ Adjust the angle of the Set by holding the top side of the Set. (**Caution** : Be careful not to hit the Receiver on top of the PDP Set against the wall when you connect the cables. Follow the order indicated in the provided diagram above for cable connections.)



1. Contact an authorized technician when installing the wall attachment panel.
2. After hanging the PDP panel on the wall attachment panel, make sure that the Insulation holders are secure.
3. Be careful not to get your fingers caught during installation.
4. Make sure the wall attachment panel brackets are tightened. Otherwise, the PDP panel may fall down.
5. Please secure the mounting bracket on the wall surface after setting its angle at 0°.

S
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PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

Operation



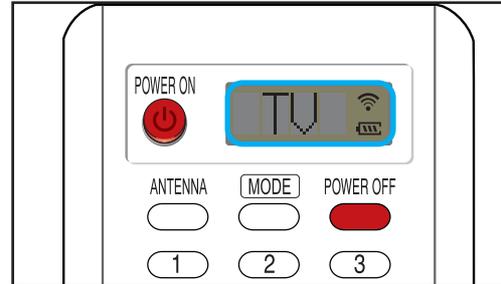
Turning the PDP On and Off	34
Memorizing the Channels.....	35
Using the On-Screen Help	40
Setting your Favorite Channels	41
Fine Tuning Channels.....	42
Setting the Date and Time.....	43
Checking the Digital-Signal Reception	44
Setting Up your Remote Control	45



Turning the PDP On and Off

Turning the PDP On and Off

Press the POWER ON button on the remote control. The PDP will be turned on and you will be ready to use its features. You can also use the POWER (I/O) button on the front of the PDP. You can use the POWER ON button to turn on the WIRELESS HOME AV CENTER. The WIRELESS HOME AV CENTER and the PDP each have their own respective POWER ON/OFF button, but when you turn off the PDP, the WIRELESS HOME AV CENTER will turn off also.



Note

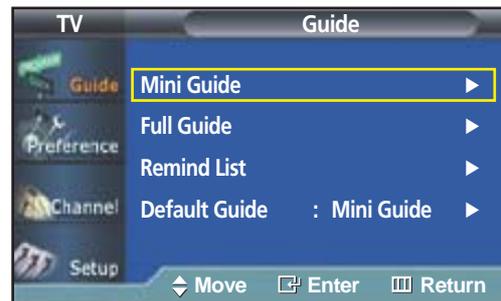
- If your PDP isn't turned on when the POWER ON button is pressed: Press the **MODE** button to check if the TV mode has been chosen ().

Viewing the Menus and Displays

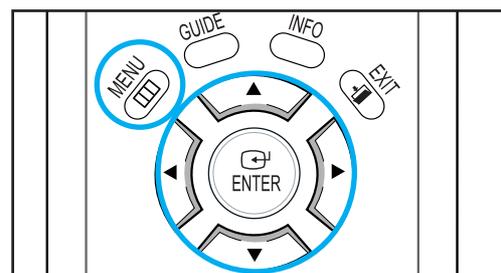
Your PDP has a simple, easy-to-use menu system that appears on the PDP screen. This system makes it convenient and fast to use features on the PDP. Your PDP also lets you display the status of many of your PDP's features.

Viewing the Menus

- 1 With power on, press the MENU button on the remote control. The main menu appears on the screen. The Guide menu is selected.

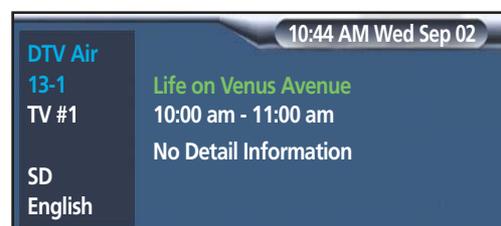
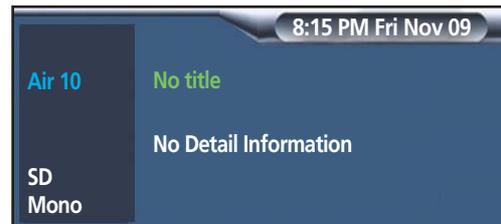


- 2 Press the ▲ or ▼ button to move items in the menu. Press the ◀/▶/ENTER buttons to display, change, or use the selected items. Press the ENTER () button to enter items in the menu. On screen menus disappear from the screen automatically after about 2 minutes, or you can press the MENU or EXIT button on your remote control to exit the menu.



Displaying Status Information

Press the INFO button on the remote control. The PDP will display the channel, MTS, rating, and caption information.





Memorizing the Channels

Your PDP can memorize and store all of the available channels for both “off-air” (antenna) and cable channels. After the available channels are memorized, use the CH \odot and CH \ominus buttons to scan through the channels. This eliminates the need to change channels by entering the channel digits. There are three steps for memorizing channels: selecting a broadcast source, memorizing the channels (automatic) and adding and deleting channels (manual).

Selecting the Video Signal-source

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

- 1 Press the MENU button. Press the \blacktriangle or \blacktriangledown button to select “Channel”, then press the ENTER button.



- 2 Press the \blacktriangle or \blacktriangledown button to select “Select Antenna”, then press the ENTER button.



- 3 Press the \blacktriangle or \blacktriangledown button to select “Air” or “Cable”, then press the ENTER button.



- 4 Press the MENU button to exit.

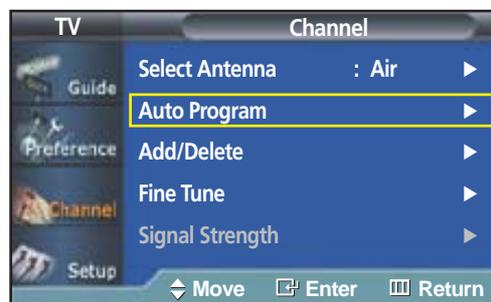
Storing Channels in Memory (Automatic Method)

- 1 First, select the correct antenna (Air and Cable). See steps on previous page. Press the MENU button. Press the ▲ or ▼ button to select "Channel", then press the ENTER button.



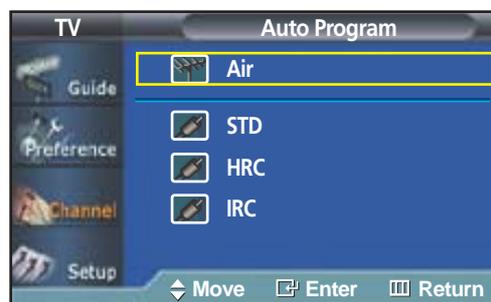
- 2 Press the ▲ or ▼ button to select "Auto Program", then press the ENTER button.

➤ Quick way to access the Automatic Channel Setting:
Just press the "AUTO PROG." button on the remote control.

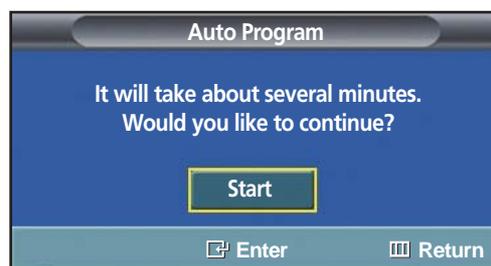


- 3 Press the ▲ or ▼ button to select the correct signal (Air, STD, HRC, and IRC). Select an option and then press the ENTER button.

If you are connected to an antenna (Air), leave "Air" displayed. If you are connected to a cable, press the ▲ or ▼ button to display the type of cable system "STD", "HRC" or "IRC". (If you are not sure which type of cable system you have, contact your cable company).

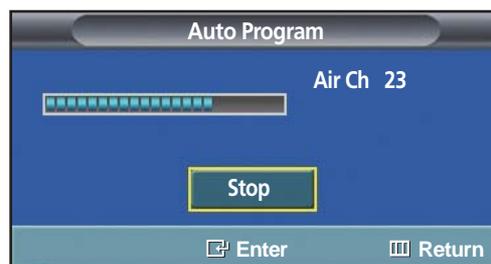


- 4 Press the ENTER button. The PDP will begin memorizing all of the available channels. After all the available channels are stored, the Auto program menu reappears. Press the MENU button to stop.



Note

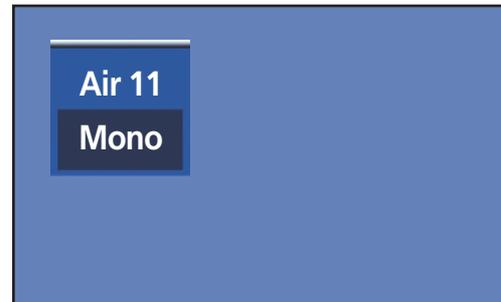
- Auto Program may take a few minutes to process.



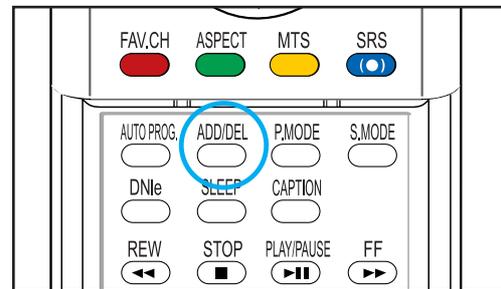
Adding and Deleting Channels (Manual Method)

1 Use the number buttons to directly select the channel that will be added or deleted.

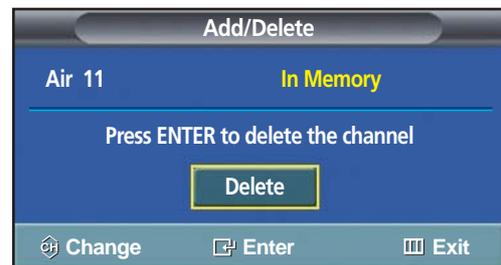
Ex) Channel "11"



2 Press the ADD/DEL button, then press the ENTER button. Repeatedly pressing this button will alternate between "Add" and "Delete".



3 Press the MENU button to exit.



Note

- You can view any channel (including an erased channel) by using the number buttons on the remote control.

Changing Channels

Using the Channel Buttons

Press the CH \odot or CH \ominus button to change channels.

When you press the CH \odot or CH \ominus button, the PDP changes channels in sequence. You will see all the channels that the PDP has memorized. (The PDP must have memorized at least three channels.)

You will not see channels that were either erased or not memorized.

Directly Accessing Channels

Press the number buttons to go directly to a channel. For example, to select channel 27, press "2" then "7".

The TV will change channels when you press the second number.

When you use the number buttons, you can directly select channels that were either erased or not memorized. To change to single-digit channels (0~9) faster, press "0" before the single digit. (For channel "4" press "0", then "4".)

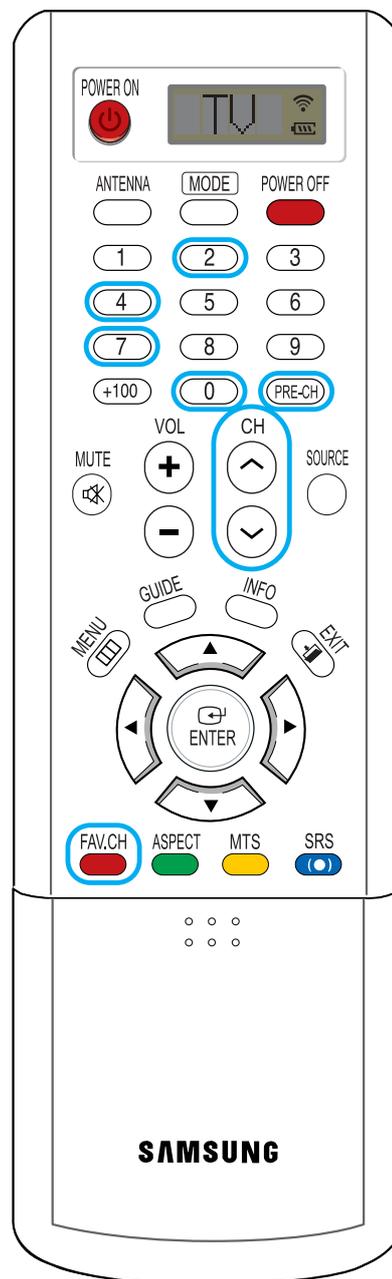
Using the PRE-CH button to select the previous channel

Press the PRE-CH button. The TV will switch to the last channel viewed.

To quickly switch between two channels that are far apart, tune to one channel, then use the number button to select the second channel. Then, use the PRE-CH button to quickly alternate between them.

Using the FAV. CH button

Press to switch among your favorite channels (see "Setting your Favorite Channels" on page 41).



Adjusting the Volume

Using the Volume Buttons

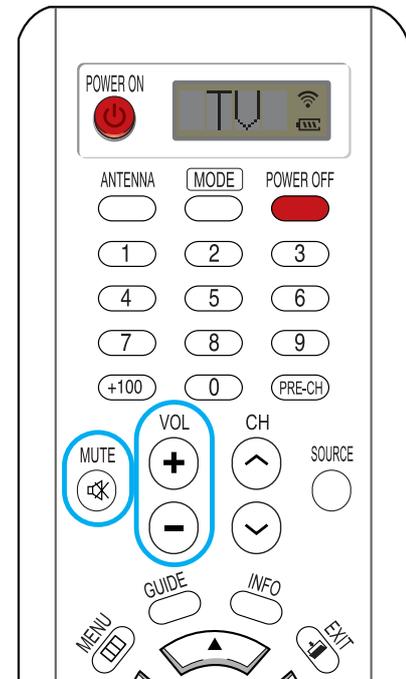
Press the VOL \oplus or VOL \ominus button to increase or decrease the volume.

Using Mute

Using the MUTE Button

At any time, you can temporarily cut off the sound using the MUTE button.

- 1 Press the MUTE button and the sound cuts off.
- 2 The word "Mute" will appear in the lower-left corner of the screen.
- 3 To turn mute off, press the MUTE button again, or simply press the VOL \oplus or VOL \ominus button.

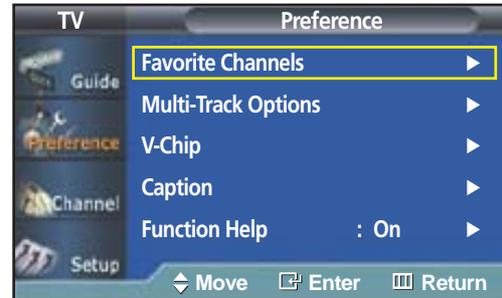




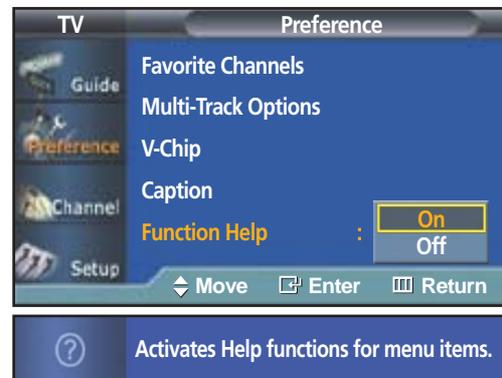
Using the On-Screen Help

To turn the on-screen help on :

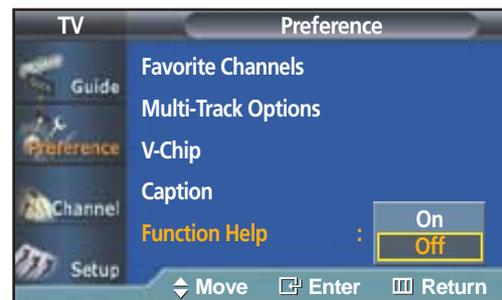
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Preference", then press the ENTER button.



- 2 Press the ▲ or ▼ button to select "Function Help", then press the ENTER button. The on-screen help appears.



- 3 Press the ▲ or ▼ button to select "On" or "Off". Press the ▲ or ▼ button to highlight each of icons and read the description of the features that each icon represents.



- 4 Press the ENTER button.

To turn the on-screen help off :

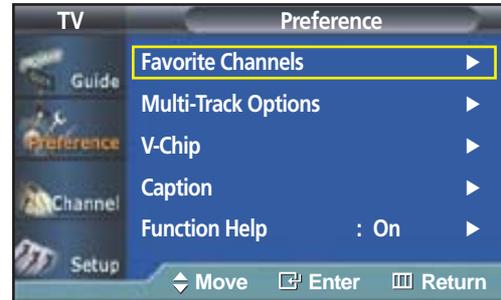
Press the ▲ or ▼ button to select "Off" and press the ENTER button. The on-screen help will disappear.



Setting your Favorite Channels

Use this function to set your Favorite Channels from channels stored in Memory.

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



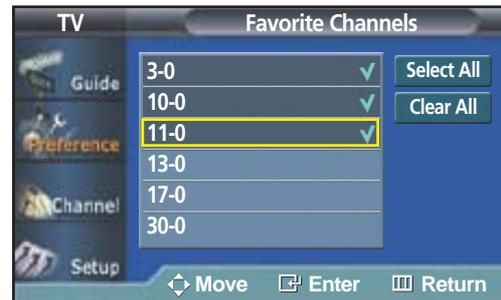
- 2 Press the ENTER button. The Favorite Channels option is displayed.



- 3 Press the ▲ or ▼ button to select the channel you want to designate as a "Favorite Channel" and press the ENTER button.

For each Favorite Channel, a "✓" icon will appear next to the channel number. To cancel Favorite Channel, press ENTER again.

- To set all listed channels, press the ◀ or ▶ button and select "Select All". All of the channels on list are selected for Favorite Channel.
- To cancel all the selected Favorite Channels, select "Clear All" by pressing the ▼, ▶ button. All Favorite Channels are canceled.



- 4 Press the MENU button to exit.

Notes

- You can now jump from one favorite channel to another by pressing the FAV. CH button.
- Channels must be memorized before Favorite Channels can be set (see page 36).



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", select "Reset" by pressing the ▼ button, then press the ENTER button.



- 5 Press the MENU button to exit.



Note

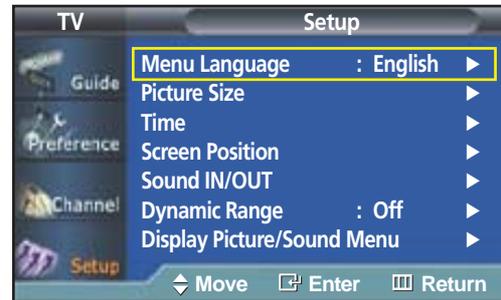
- Only analog channels can be fine-tuned.



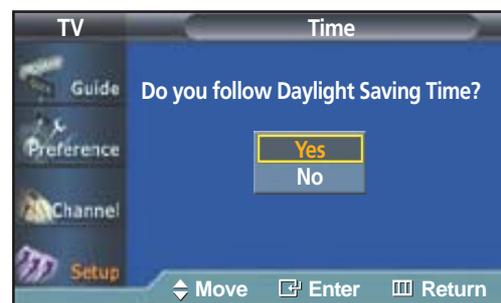
Setting the Date and Time

To set the date and time, you must select a channel with a digital signal.

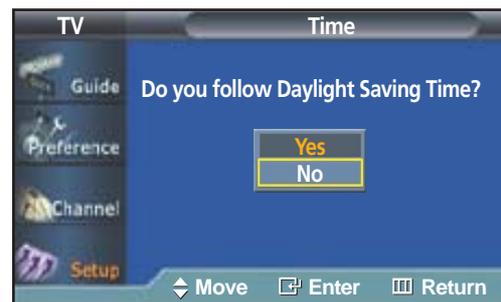
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



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

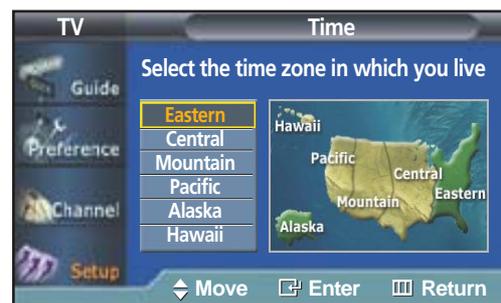


- 3 You will be asked if your local area observes Daylight Saving Time. Press the ▲ or ▼ button to select "Yes", and press ENTER button.

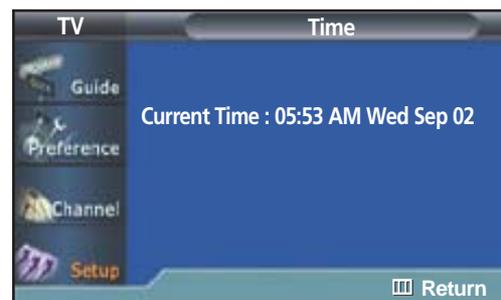


- 4 Press the ▲ or ▼ button to select your time zone for your local area (move the highlight to the appropriate time zone on the map of the United States), then press ENTER button.

The time will be set automatically through the digital signal.



- 5 Press the MENU button to exit.





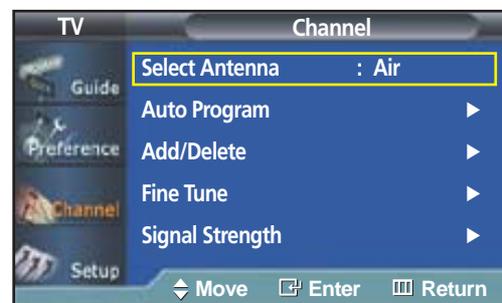
Checking the Digital-Signal Reception

Unlike analog channels, which can vary in reception quality from “snowy” to clear, digital (HDTV) channels have perfect reception or you will not receive them at all. In this case, you cannot fine tune a digital channel. But you can adjust your antenna to improve the reception of available digital channels.

- 1 Press the MENU button on the remote control.



- 2 Use the ▲ or ▼ button to select “Channel”, then press the ENTER button.



- 3 Press the ▲ or ▼ button to select “Signal Strength”, then press the ENTER button. The “Signal Strength” meter will be displayed.

If the signal strength meter indicates that the signal is weak, physically adjust your antenna to increase the signal strength. Continue to adjust the antenna until you find the best position with the strongest signal.



- 4 When you have finished adjusting your antenna, use the MENU button to exit.

Note

- “No Signal” may appear on the screen depending on the broadcast station conditions, even if an incoming broadcast signal exists.



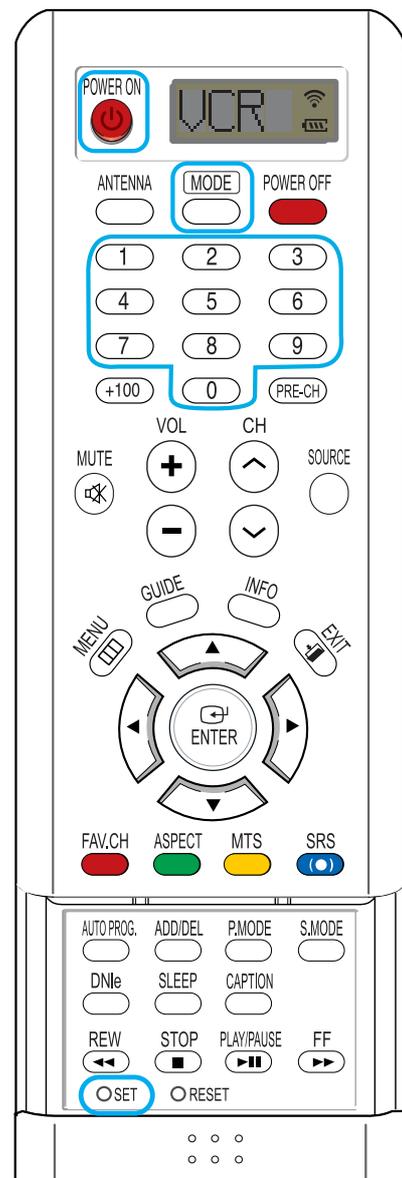
Setting Up your Remote Control

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, CATV, or DVD. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.

- Notes :**
- The remote control may not be compatible with all DVD Players, VCRs, Cable boxes.
 - The remote control can only operate Set-Top Boxes 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. The Mode is changed whenever the MODE button is pressed (New mode is displayed on LCD screen).
- 3 Press the SET button on your TV's remote control.
- 4 Using the number buttons on your remote control, enter the three digit code for your VCR (or Cable box, DVD player) listed on page 46 of this manual for your brand of VCR (or Cable box, DVD). Make sure you enter all 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 Cable box, DVD) should turn on if your remote is set up correctly. If your VCR (or Cable box, DVD) does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR (or Cable box, 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", "CATV", or "DVD" mode, the VCR control buttons (STOP, REW, PLAY/PAUSE, and FF) still operate your VCR.
- You do not need to program the remote for Samsung Set-Top Box as the codes are pre-programmed.

Remote Control Codes

VCR Codes

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

Cable Box Codes

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

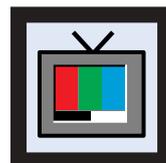
DVD Codes

Brand	Codes
Samsung	000
Samsung	001
JVC	002
PROSCAN, RCA	003
Panasonic	005
LG(Goldstar)	006
Sony	007
Denon	008
Curtis Mathes	009

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PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

Picture Control



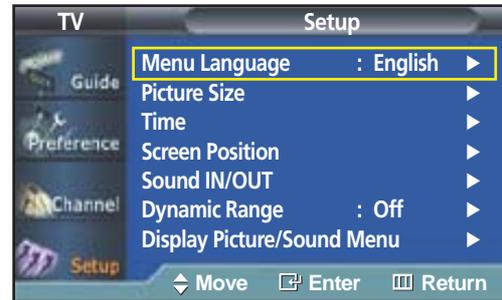
Customizing the Picture	48
Using Automatic Picture Settings	49
Selecting the Color Tone.....	50
DNle (Digital Natural Image engine)	51
Changing the Picture Size	52



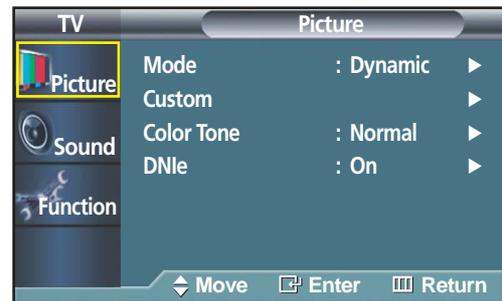
Customizing the Picture

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

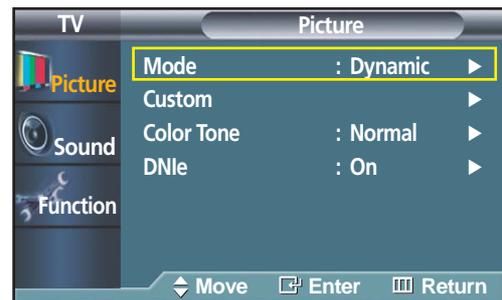
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



- 2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



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



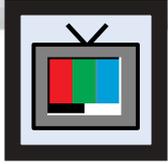
- 4 Press the ▲ or ▼ button to select "Custom", then press the ENTER button. You will also see the items "Contrast", "Brightness", "Sharpness", "Color", and "Tint".



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



- 6 Press the MENU button to exit.

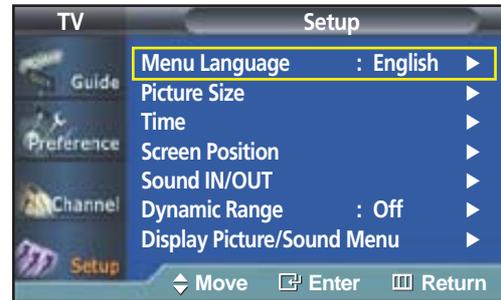


Using Automatic Picture Settings

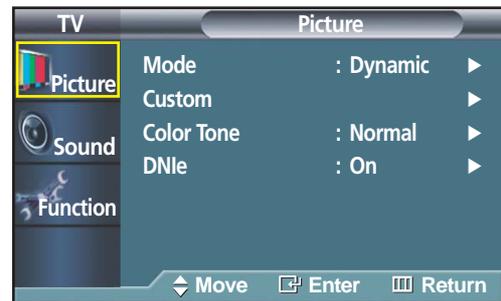
Your PDP has automatic picture settings that allow you to adjust the video display easily.

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

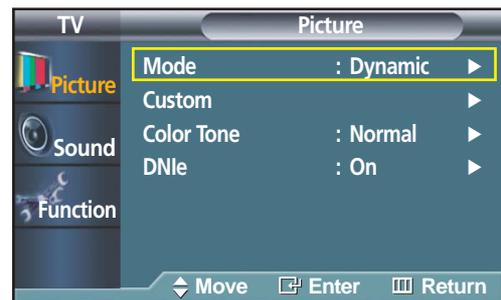
➤ Quick way to access the picture setting:
Just press the "P.MODE" button on the remote control.



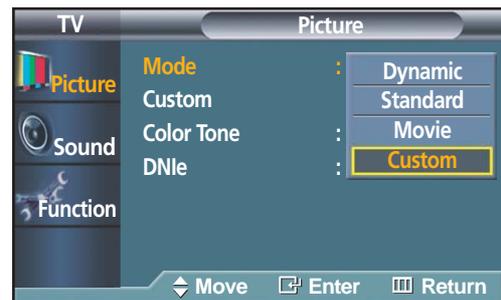
2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



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

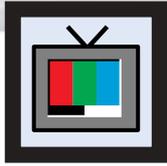


4 Press the ENTER button.



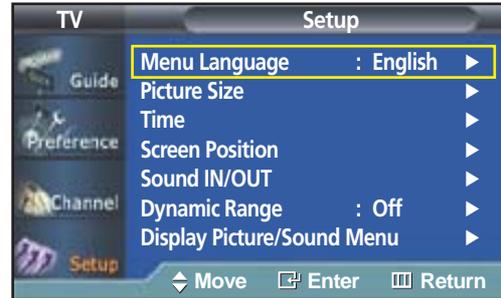
5 Press the ▲ or ▼ button to select "Dynamic", "Standard", "Movie", or "Custom" picture setting.

6 Press the MENU button to exit.

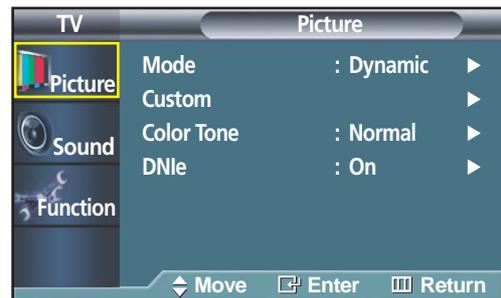


Selecting the Color Tone

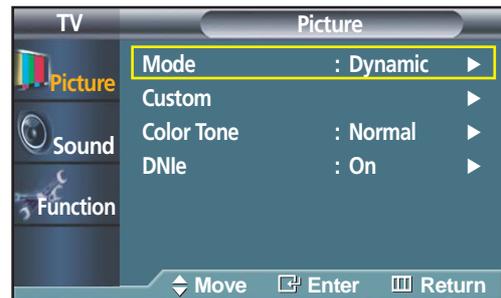
1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



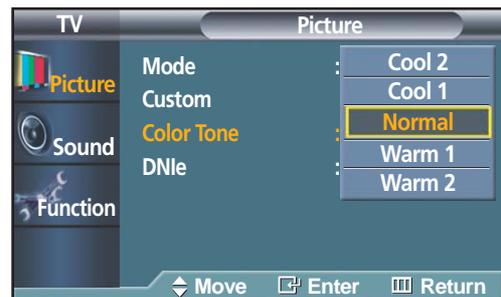
2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



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



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



5 Press the ▲ or ▼ button to select "Cool2", "Cool 1", "Normal", "Warm 1", or "Warm 2", then press the ENTER button.

6 Press the MENU button to exit.



DNle (Digital Natural Image engine)

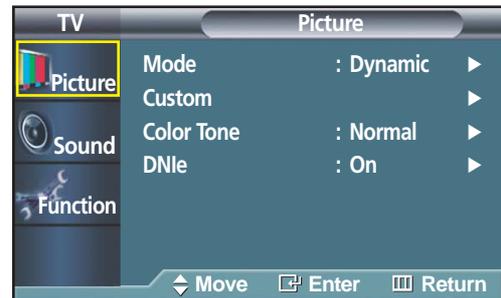
Samsung's new technology brings you more detailed images with contrast, white enhancement and 3D noise reduction.

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

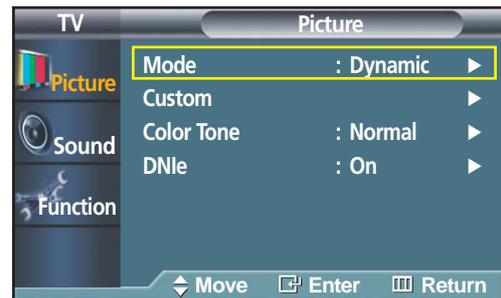
➤ **Quick way to select DNle:**
Simply press the "DNle" button under the cover of the remote control.



2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.

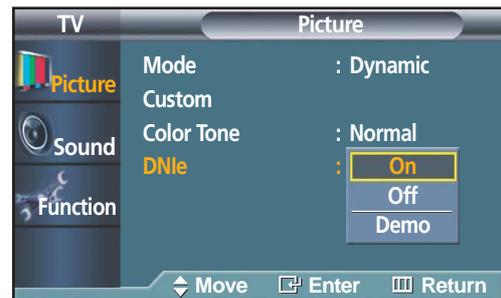


3 Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



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

5 Press the ▲ or ▼ button to select "On", "Off" or "Demo".
The screen before applying DNle appears on the right and the screen after applying DNle appears on the left.



- 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.

6 Press the MENU button to exit.



Changing the Picture Size

Picture Size selection depends on the type of video input (DVD, Antenna, etc.).

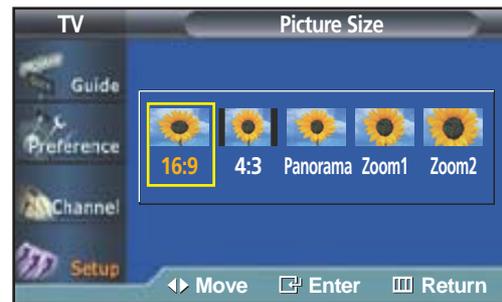
Note

- Quick way to access the Picture Size menu : press the "ASPECT" button on the remote control.

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



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



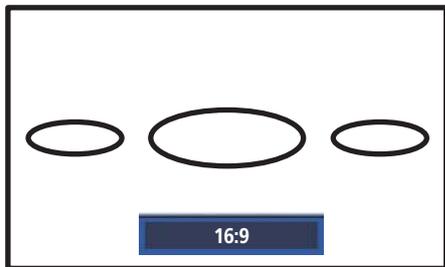
- 3 Press the ◀ or ▶ button to select the Picture Size you want, then press the ENTER button.

Notes

- 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.

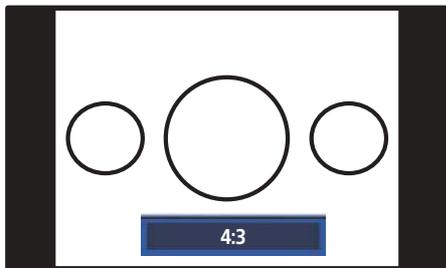
16:9 (Wide)

Sets the picture to 16:9 wide mode.



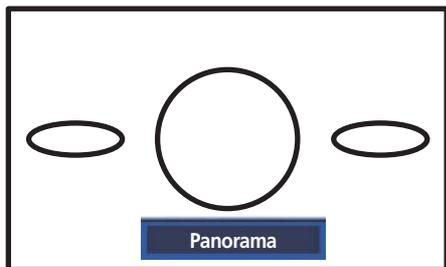
4:3 (Normal)

Sets the picture to 4:3 normal mode.



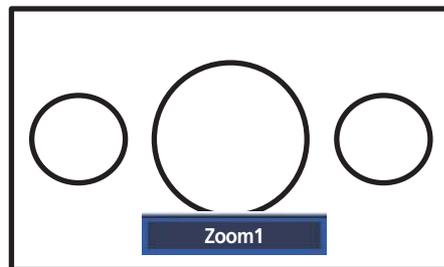
Panorama

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



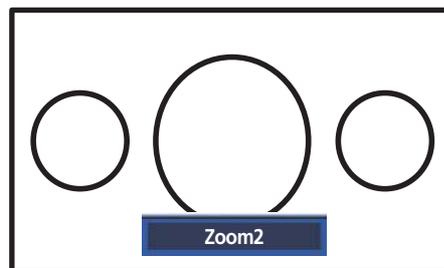
Zoom1

The screen size when Wide screen is vertically enlarged.



Zoom2

The screen size when the Zoom1 screen is vertically enlarged.



Notes

- In TV, VIDEO, S-VIDEO, and Component (480i, 480p) modes, all screen modes can be selected. (16:9 → 4:3 → Panorama → Zoom1 → Zoom2).
- 16:9(Wide) and 4:3(Normal) Aspect ratios are available for HDTV broadcasts.

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PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

Sound Control



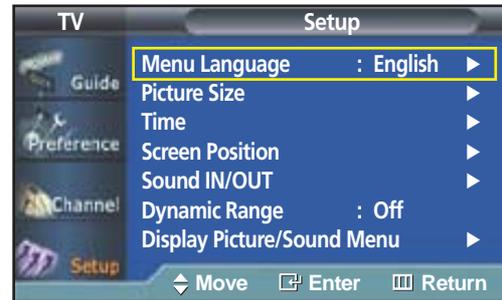
Using an Automatic Sound Settings	56
Choosing a Digital Sound Format (Dolby Digital or PCM)	57
Choosing a Multi-Track Language	58
Choosing a Multi-Track Sound (MTS) Soundtrack	59
Adjusting the Sound Settings	60
Setting the TruSurround XT	61
Using the Dynamic Range Compression (DRC)	62



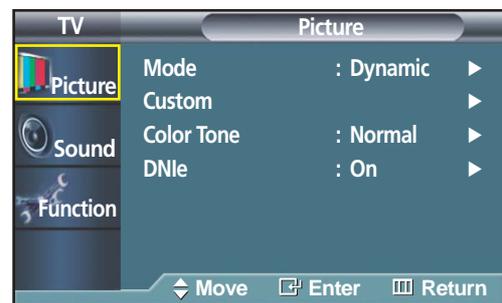
Using an Automatic Sound Settings

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

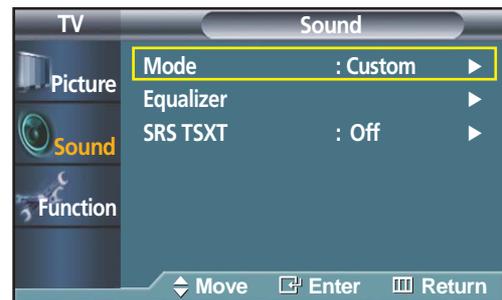
➤ Quick way to access the Sound Mode menu :
Just press the "S.MODE" button on the remote control.



2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



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



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



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

6 Press the MENU button to exit.



Choosing a Digital Sound Format (Dolby Digital or PCM)

Both analog and digital audio are available from the rear-panel connectors of the WIRELESS HOME AV CENTER. The digital sound inputs and outputs are labeled "DIGITAL AUDIO OUT (COAXIAL), DIGITAL AUDIO OUT (OPTICAL), and DIGITAL AUDIO IN (OPTICAL)".

After connecting a digital-audio component, you must specify the transmission format.

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

2 Press the ▲ or ▼ button to select "Sound IN/OUT", then press the ENTER button.

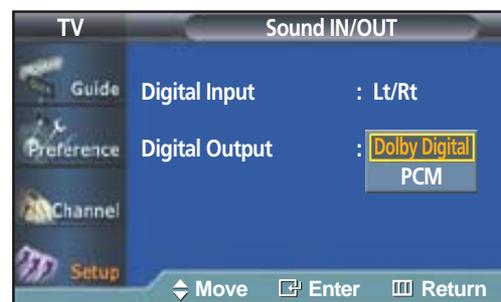
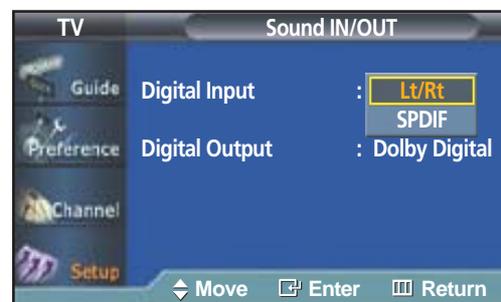
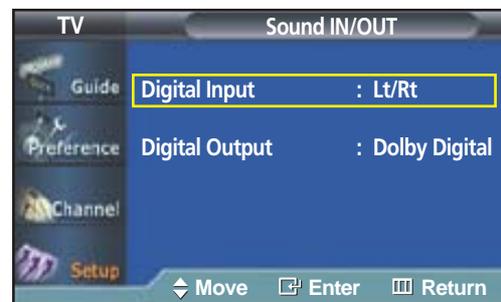
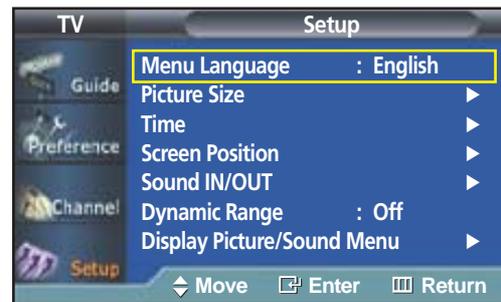
3 Press the ▲ or ▼ button to select "Digital Input" or "Digital Output", then press the ENTER button.

- Lt/Rt : Left total/right total. Four surround channels matrixed into two channels. Mandatory downmixing output in Dolby Digital decoders.
- SPDIF : S/PDIF (Sony/Philips Digital Interface) is a standard audio transfer file format. It is found on digital audio equipment. It allows the transfer of audio from one file to another without analog to digital conversion which can degrade the signal quality.
- Dolby Digital : Dolby Digital, formerly known as AC-3, is a digital audio coding technique that reduces the amount of data needed to produce high quality sound. Dolby Digital is used with digital versatile discs (DVDs), high definition television (HDTV), and digital cable and satellite transmissions. It has been selected as the audio standard for digital television (DTV). Dolby Digital provides five full-bandwidth channels, front left, front right, center, surround left, and surround right, for true surround sound quality. A low frequency effect (LFE) channel is included that provides the sound needed for special effects and action sequences in movies. The LFE channel is one-tenth of the bandwidth of the other channels and is sometimes erroneously called the subwoofer channel. This multichannel scheme is known as 5.1 channel.
- PCM : A coded representation of digital data that is not compressed. Linear PCM spreads values evenly across the range from highest to lowest, as opposed to nonlinear (compressed) PCM which allocates more values to more important frequency ranges.

➤ **Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.**

4 Press the ▲ or ▼ button to select the appropriate format, then press the ENTER button.

5 Press the MENU button to exit.



Notes

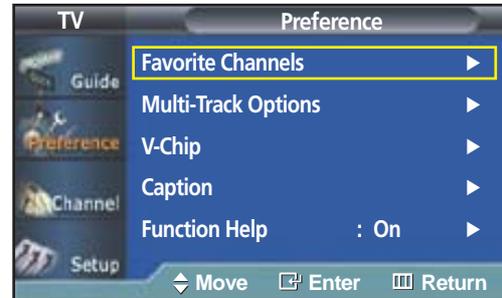
- The Digital Input is only available when using the Component Video inputs.
- When you choose Digital Input, select SPDIF only when you play DVD.



Choosing a Multi-Track Language

The digital-TV transmission system is capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of the program into foreign languages). The availability of these additional "multitracks" depends upon the program. To select a multitrack language:

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



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



3 Press the ENTER button to select the "Multi-Track Language". Press the ▲ or ▼ button to choose the appropriate language and press the ENTER button. (The availability languages will vary depending on the program.)



4 Press the MENU button to exit.

Notes

- The Multitrack Language selection feature allows you to select any available language. However, you can only switch between the current receiving multitrack sounds by using the MTS button on the remote control.
 - Ex) When 'French' is selected from the menu during a broadcast in English and Spanish only: Pressing the MTS button on the remote control switches between English and Spanish only.
- In TV mode, the Multitrack Language is only available with digital signals.

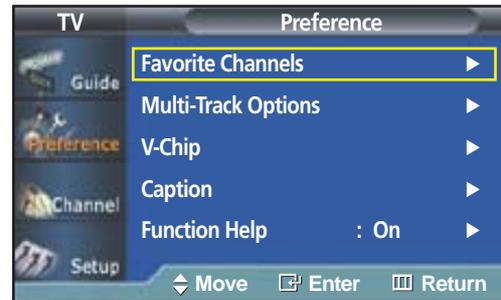


Choosing a Multi-Track Sound (MTS) Soundtrack

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 "Preference", then press the ENTER button.

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



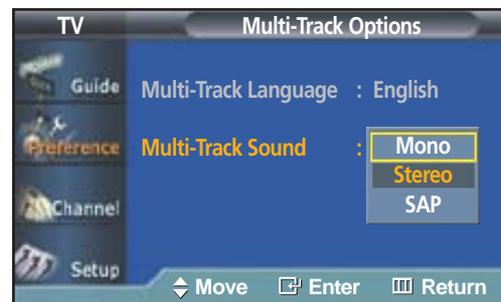
2 Press the ▲ or ▼ button to select "Multi-Track Options", then press the ENTER button.



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



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



5 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.

Notes

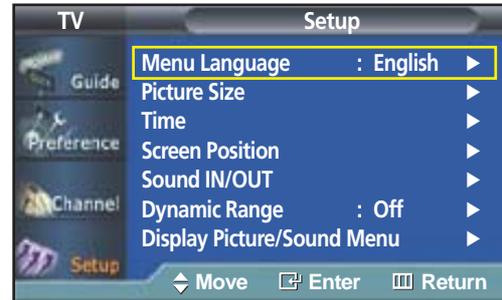
- The MTS function operates in TV mode only.
- Multitrack Sound is only available with analog signals.



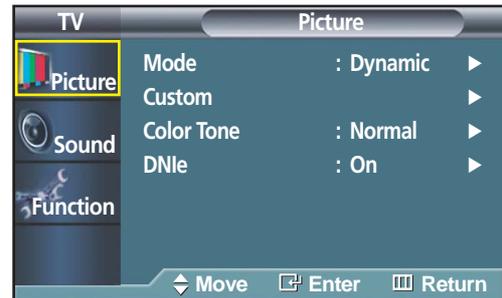
Adjusting the Sound Settings

The sound settings can be adjusted to suit your personal preferences.

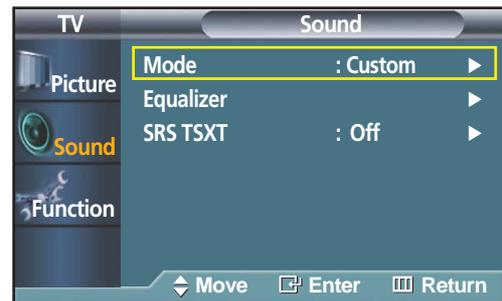
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



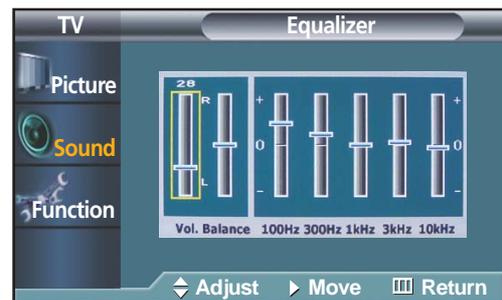
- 2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



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



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



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

- 6 Press the MENU button to exit.

➤ If you make any changes to the equalizer settings, the sound standard is automatically switched to Custom.

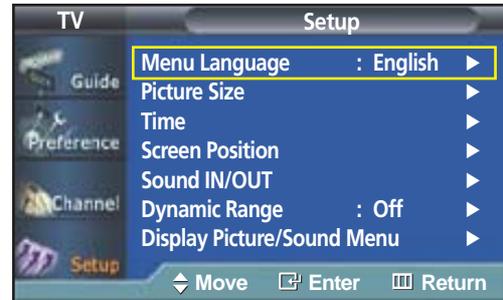


Setting the TruSurround XT

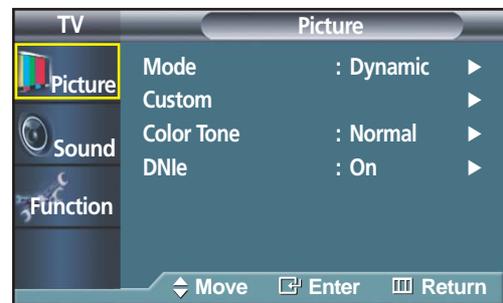
TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with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

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

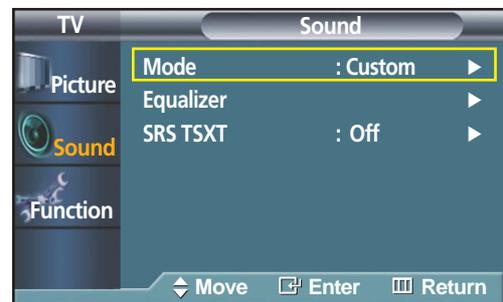
➤ **Quick way to access the TruSurround XT menu:**
Just press the "SRS TSXT" button on the remote control.



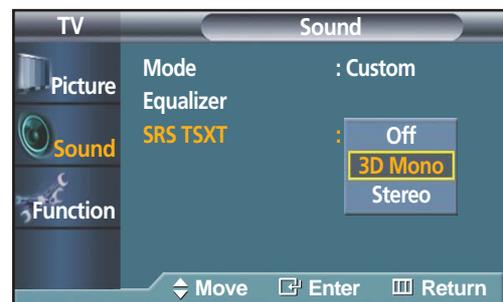
2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



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



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



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

6 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.

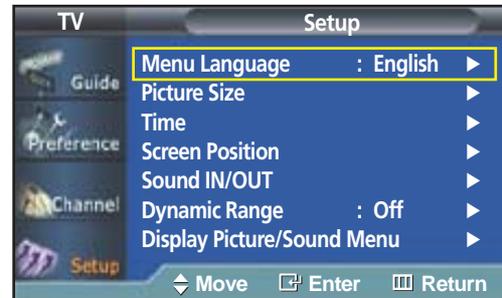




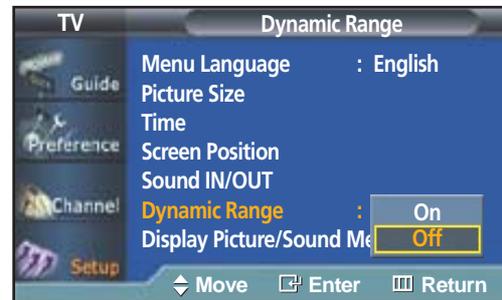
Using the Dynamic Range Compression (DRC)

When you switch channels, the volume may vary depending on the channel. The Dynamic Range Compression function can adjust the volume difference automatically.

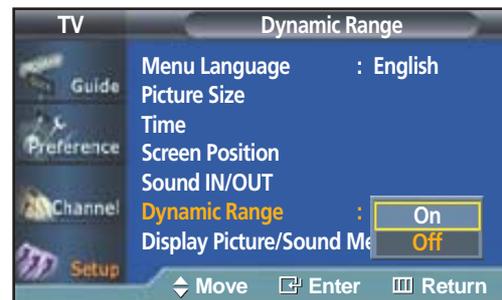
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



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



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



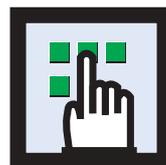
Note

- DRC adjustment is available only for digital channels.

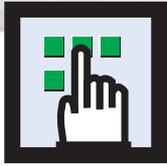
S
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PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

Function Description



Selecting the Fan	64
Viewing Closed Captions	65
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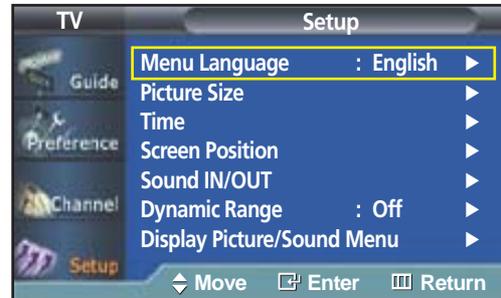


Selecting the Fan

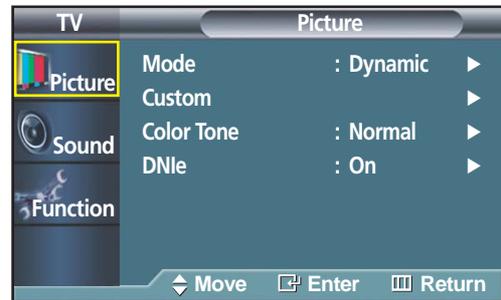
Operates or stops the TV's internal fan.

Fans inside the TV are used to reduce the temperature of the top and the front of the TV. The fans can be set to "Off", however, the temperature of the top and the front of the TV may increase when you watch the TV for a long period of time. We recommend turning the fans off only for a short time.

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



- 2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



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

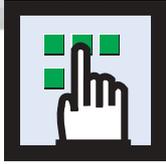


- 4 Press the ENTER button to select "Fan".



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

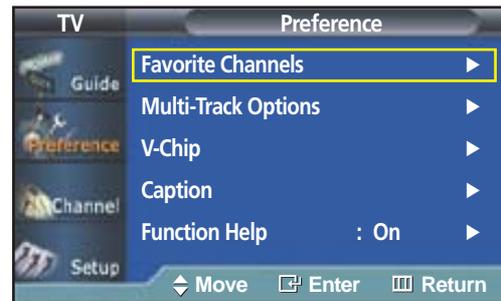
- 6 Press the MENU button to exit.



Viewing Closed Captions

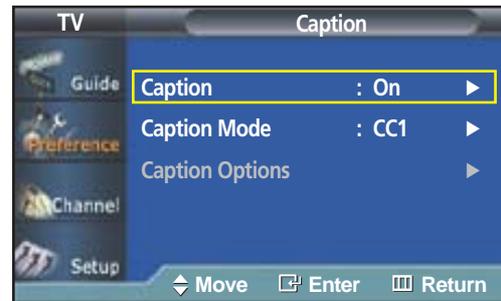
Your TV decodes and displays the closed captions that are broadcast with certain TV shows. These captions are usually subtitles for the hearing impaired or foreign language translations. All VCRs record the closed caption signal from television programs, so home-recorded video tapes also provide closed 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:

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



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

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



4 Press the ▲ or ▼ button to select "Caption Mode", then press the ENTER button. Press the ▲ or ▼ button to select option (From CC1 to CC4, or From Text1 to Text4), then press the ENTER button.

CC1 ~ CC4, Text1 ~ Text4, Service1 ~ Service6 will be displayed for Digital Channels.

CC1 : The Primary Synchronous Caption Service. These are captions in the primary languages that must be in sync with the sound, preferably matched to a specific frame.

CC2 : The Special Non-Synchronous Use Captions. This channel carries data that is intended to augment information carried in the program.

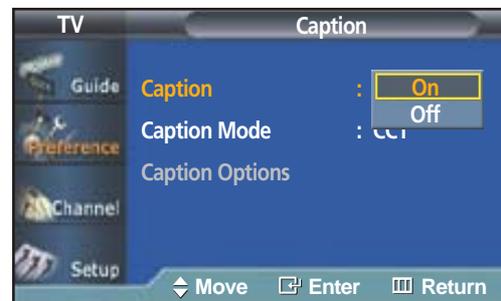
T1 : First Text Service. This may be various non-program related data.

T2 : Second Text Service. Additional data, usually not program related.

CC3 : Secondary Synchronous Caption Service. Alternate program-related caption data, typically second language captions.

CC4 : Special Non-Synchronous Use Captions. Similar to CC2.

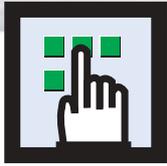
T3/T4 : Third and Fourth Text Services. These data channels should be used only if T1 and T2 data bandwidths not sufficient.



5 Press the MENU button to exit.

Note

- Closed captions don't work on component mode.

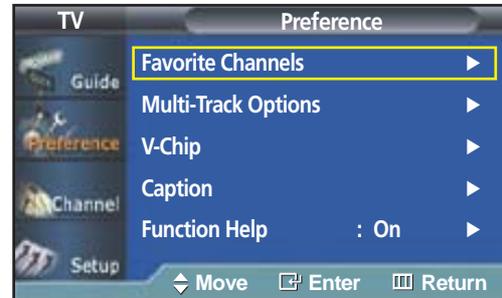


Setting Up Digital Captions

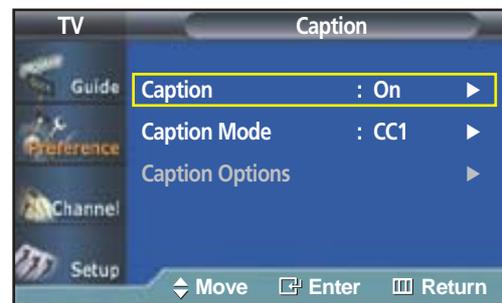
The Digital Captions function operates on digital channels.

How to Activate or Deactivate the On-screen Captions

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



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



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



- 4 Press the ▲ or ▼ button to select "Caption Mode", then press the ENTER button. Press the ▲ or ▼ button to select option (Service1 ~ Service6), then press the ENTER button. The "Caption Options" will be activated.

➤ Either the reading level or the language may change depending on the service option.



5 Press the ▲ or ▼ button to select "Caption Options", then press the ENTER button.

6 Select the option (Size, Style, Foreground Color, Background Color, Foreground Opacity, Background Opacity, or Return to Default) you want using the ▲ or ▼ button. Use the ▲ or ▼ button to select the menu you want and press ENTER.

Size: This option consists of Default, Small, Standard, and Large. The default is Standard.

Style: This option consists of Default, Style0 ~ Style 7. You can change the font you want. The default is Style 0.

Foreground Color: This option consists of Default, White, Black, Red, Green, Blue, Yellow, Magenta, and Cyan. You can change the color of the letter. The default is White.

Background Color: This option consists of Default, White, Black, Red, Green, Blue, Yellow, Magenta, and Cyan. You can change the background color of the caption. The default is Black.

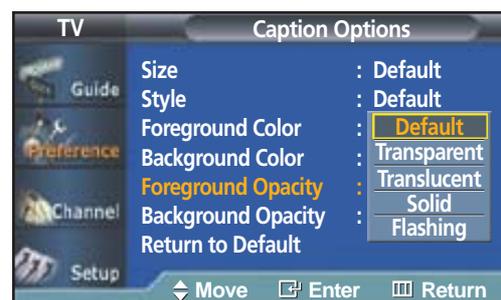
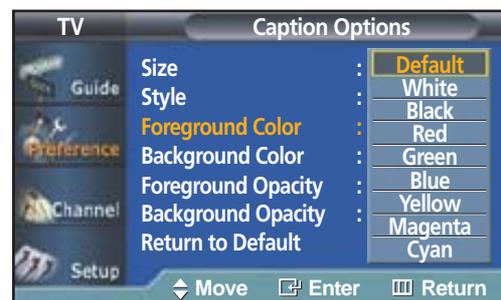
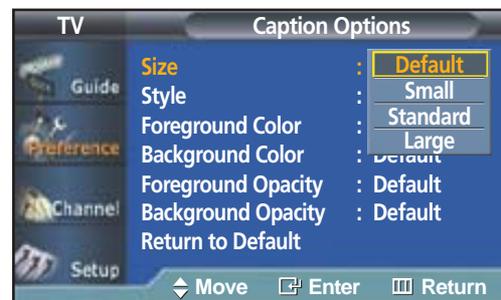
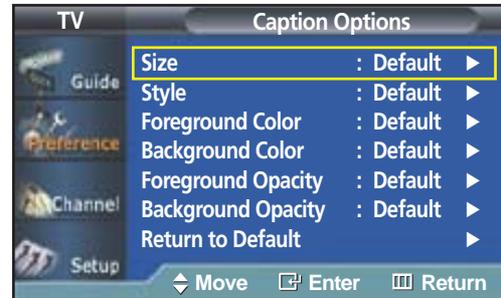
Foreground Opacity: Variation of the transparency of characters is available in four default setups (Transparent, Translucent, Solid, and Flashing). Once you have selected one of the four colors, the selected Foreground Opacity will be displayed instead of the default value sent by the caption provider. When [Transparent] is selected, [Transparent] cannot be selected in [Background Opacity]. [Flashing] is set to flash more than once per second (a flash every 0.3 second is recommended).

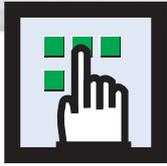
Background Opacity: This indicates the background of a character, rather than that of the window. Variation of the transparency of characters is available with four default setups (Transparent, Translucent, Solid, and Flashing). Once you have selected one of the four colors, the selected Background Opacity will be displayed instead of the default value sent by the caption provider. When [Transparent] is selected, [Transparent] cannot be selected in [Foreground Opacity]. [Flashing] is set to flash more than once per second (a flash every 0.3 second is recommended).

Return to Default: This option sets Service, Size, Style, Foreground, and Background to its default.

Note

- The availability of captions depends on the program being broadcast.



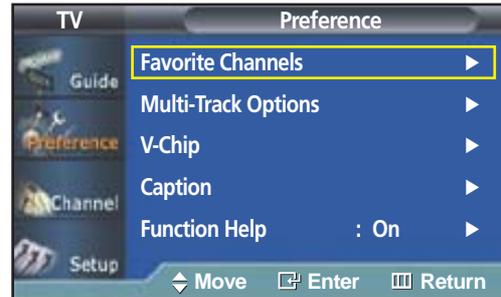


Using the V-Chip

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.

Setting Up Your Personal ID Number (PIN)

- 1 Press the MENU button. Press the ▲ or ▼ button to select "Preference", 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.



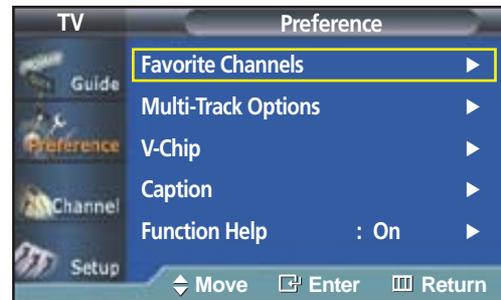
- 5 Press the MENU button to exit.

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 "Preference", 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 Yes. (Pressing the ▲ or ▼ button will alternate between "On" and "Off".) Press the Enter button to select between On and Off.

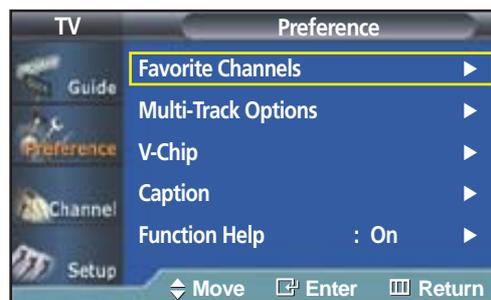


- 4 Press the MENU button to exit.

How to Set up Restrictions using the “TV Parental Guidelines”

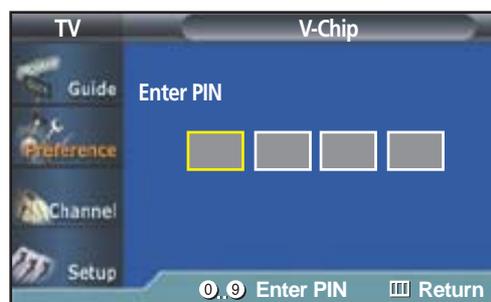
First, set up a personal identification number (PIN), and enable the V-Chip. (See previous section.) Parental restrictions can be set up using either of two methods: The TV guidelines or the MPAA rating.

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

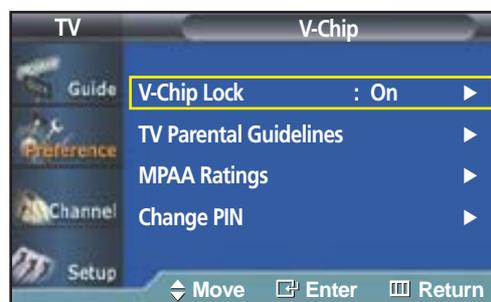


- 2 Press the ▲ or ▼ button to select “V-Chip”, then press the ENTER button.

The message “Enter PIN” will appear. Enter your 4 digit PIN number.

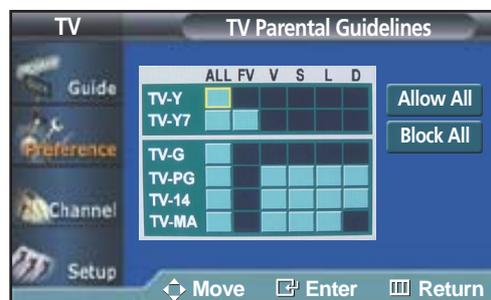


- 3 The “V-Chip” screen will appear. Press the ▲ or ▼ button to select V-Chip Lock, then press the ENTER button. Press ▲ or ▼ to select On, then press the ENTER button. Press the ▲ or ▼ button to select “TV Parental Guidelines”, then press the ENTER button.



- 4 The “TV Parental Guidelines” screen will appear. Press the ▲ or ▼ button to select one of the six aged 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

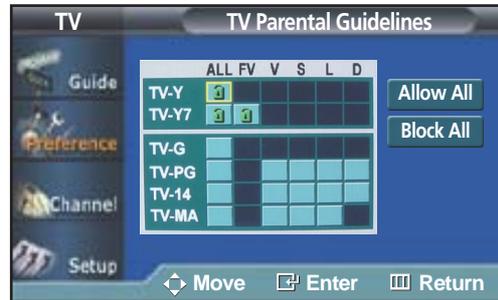


Note

- Allow All : Press to unlock all TV ratings.
 Block All : Press to lock all TV ratings.

- 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 ENTER button to block or unblock the category. To select a different TV-Rating, press the ▲ or ▼ button and then repeat the process.



Note 1: The TV-Y, TV-Y7, TV-G, 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-Y, TV-Y7, 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-Y, TV-Y7, TV-G, TV-PG, TV-14, or TV-MA (See Step 4, on previous page), and press the ► button.

A symbol "" will be displayed for each sub-rating. While "" is selected, press the ENTER button to go to a sub rating. Press ENTER to block 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.)

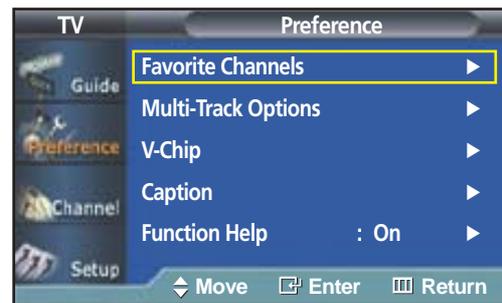
Note

- 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, NR

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 "Preference", then press the ENTER button.

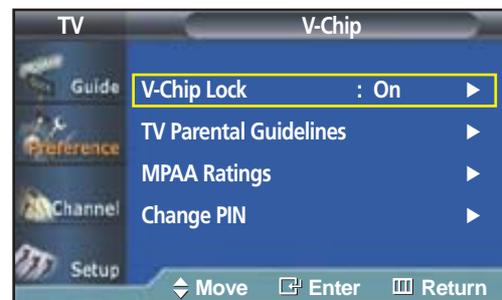


- 2 Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button.

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



- 4 The "MPAA Ratings" 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 ENTER button to activate it. The symbol "🔒" will be displayed.

Press the ENTER button to block or unblock the category.

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:

1 Press the ENTER button.



2 Enter your PIN number.

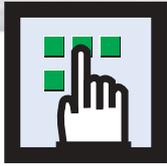


To resume normal viewing, tune to a different channel using the number buttons. Under certain conditions (depending on the rating of the local TV programs) the V-Chip might lock out all the channels. In this case, use the V-Chip function for an "emergency escape":

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

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

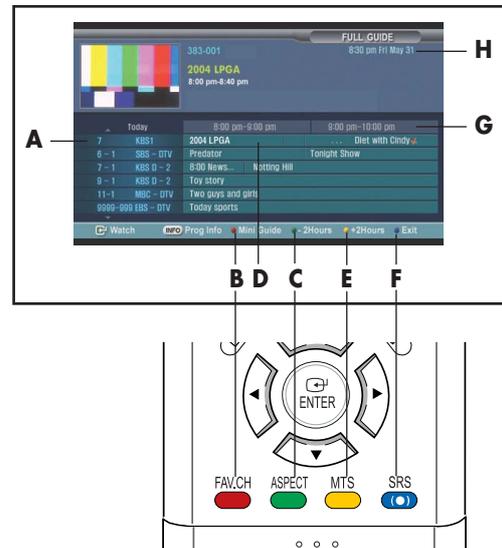
3 Enter your PIN number, and press the ▲ or ▼ button to temporarily disable the V-Chip Lock.



Electronic Program Guide

Your WIRELESS HOME AV CENTER has an Electronic Program Guide (EPG) to help you navigate through all the possible viewing options.

The EPG supplies information, such as program lists, start and end times of all available channels. In addition, the detailed information about the program is often available in the EPG. (The availability and the amount of program details will vary depending on the broadcaster.)

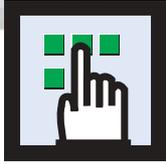


Viewing the Electronic Program Guide (EPG)

- A Displays which channel is currently selected to show program information in the Channel Guide.
- B Switches to the mini program guide. The mini guide shows the titles of the available programs of one channel. Press the Red button on the remote control. The set default guide is Mini Guide.
- C Scrolls backwards quickly (2 hours). Press the Green button on the remote control and repeatedly press ENTER until the appropriate time is displayed.
- D Displays titles and other details about upcoming programs of particular channels. Highlight the program and press ENTER to see additional and detailed information. (The availability of additional details depends on the broadcaster.)
- E Scrolls forward quickly (2 hours). Press the Yellow button on the remote control and repeatedly press ENTER until the appropriate time is displayed.
- F Exits from the Program Guide and returns to normal viewing mode. Press the Blue button on the remote control.
- G Displays the program times (arranged in 1 hour time blocks)
- H Displays the current time and date.

Note

- You can use the GUIDE button on the remote control to display the Electronic Program Guide. The EPG begins its list with the channel that is currently active.



Using the EPG (Electronic Program Guide)

- 1 Press the MENU button. Press the ▲ or ▼ button to select "Guide", then press the ENTER button.
- 2 Press the ▲ or ▼ button to select the "Default Guide", then press the ENTER button.
- 3 Press the ▲ or ▼ button to alternate between "Mini Guide" and "Full Guide" and press the ENTER button.

Viewing the Information about One Channel

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

Viewing the Information about Channels

- 1 Press the MENU button. Press the ▲ or ▼ button to select "Guide", then press the ENTER button.
- 2 Press the ▲ or ▼ button to select "Full Guide", then press the ENTER button.
- 3 Use the Green button or Yellow button to activate "-2 Hours", "+2 Hours" on the bottom.
- 4 You may now:
 - Jump to a channel directly: Use the Menu Up/Down buttons to highlight the channel number in the left column and press ENTER.
 - Obtain additional program details: Use the Menu Up/Down/Left/Right buttons to highlight the title of a program and press ENTER.
 - Exit from the Program Guide and return to normal viewing mode: Press the Blue button (SRS) or the EXIT button.

Note

- You can switch to the GUIDE mode quickly by pressing the GUIDE button on the remote control.

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PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

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Troubleshooting

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

WIRELESS HOME AV CENTER

Problem	Possible Solution
Poor picture quality	Try another channel. Adjust the antenna. Check all wire connections.
Poor sound quality or no sound.	Try another channel. Adjust the antenna. Make sure the "MUTE" button is off.
No picture or sound.	Try another channel. Make sure the Set-Top Box is plugged in. Check the antenna connections.
No color or wrong colors.	Make sure the program is broadcasted in color.
Remote control failure.	Press the STB button to enter the DTV mode. Check for batteries.
A/V Center won't turn on.	Make sure the wall outlet is working. Make sure the remote has batteries. Check if the power plug is connected.
No output from the TV OUT	No Video output from the external input source is available on this terminal. Available input sources are AIR and CABLE. Audio output for all input sources is available.
Video and audio breakups	This product adopts 5GHz wireless LAN technology. Since wave length of signal is very short, signal cannot go through concrete wall. This causes video and audio breakups. For a better reception, PDP needs a line of sight to the WIRELESS HOME AV CENTER.

PDP

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.

PDP (Continued)

Problem	Possible Solution
<p>If the message "No Wireless Signal or Please Check WIRELESS HOME AV CENTER Power" appears: This message is displayed when the communication between the PDP and the WIRELESS HOME AV CENTER fails.</p>	<p>Check whether the WIRELESS HOME AV CENTER's Power is turned ON. Check whether the Wireless LED on the front panel is lit Green (If not, move the WIRELESS HOME AV CENTER to a location where the Green LED lights up).</p>
<p>PDP set is turned on and the message "No Wireless Signal or Please Check WIRELESS HOME AV CENTER Power" appears.</p> <p>Cause 1: The WIRELESS HOME AV CENTER is turned off.</p> <p>Cause 2: The message still appears despite the AV Center is on.</p>	<p>Solution 1: Turn on the PDP set and then turn on the AV Center as they have separate power supplies.</p> <p>Solution 2: Check if AV Receiver's LED at the top of PDP set and the AV Center's wireless LED are ON and green. If both are OFF, change both devices' positions so that they face each other for better communication. If the message appears again, turn both PDP and AV Center OFF and then turn them back ON. If the problem persists, contact the nearest service center.</p>
<p>The picture continuously breaks up and the message "No Wireless Signal or Please Check WIRELESS HOME AV CENTER Power" appears.</p> <p>Cause: The product utilizes 5GHz band for wireless signal transmission. Other wireless devices may cause picture noise or communication errors. These problems may be caused by Wireless PC networks or wireless TV sets using the same band.</p>	<p>Solution: During watching, another wireless device that uses a single fixed frequency of the same band may interfere and cause this problem. In this case, turn the PDP and AV Center off and then back on. The WIRELESS HOME AV CENTER has the function of frequency search in the 5GHz band for clear data communication to avoid signal interference.</p>
<p>The message "Please check resolution, AV Center can't support 720p/1080i component signal." appears in the Component Mode.</p> <p>Cause: AV Center only handles of 480i and 480p input. 720p and 1080i input cannot be processed.</p>	<p>Solution: Switch the input source to 480i or 480p.</p>

PDP (Continued)

Problem	Possible Solution
<p>There is no signal in a digital channel, and messages "Searching for Signals" followed by "No Signal" appear.</p> <p>Cause: Channels have been stored using Auto Memorize but the broadcasting companies are not sending the corresponding signals. Or External Input has been selected but there is no signal.</p>	<p>Solution: Select an alternative channel or switch the external input source.</p>
<p>The message "Not supported sound format" appears.</p> <p>Cause: Digital Audio rather than AC-3 (such as DTS, MPEG-1 or MPEG-2) was entered for Audio when SPDIF Input is selected in the Component Mode resulting in displaying this message with no picture.</p>	<p>Solution: AV Center cannot handle the Audio Mode except AC-3. Switch the input to AC-3, or alternatively select Set-Up in the Menu, move to Sound In/Out then switch Digital Input to Lt/Rt.</p> <p>Note: Digital Audio inputs except AC-3 might cause a severe damage to the system. Please use Dolby Digital as a digital audio input.</p>
<p>The picture quality is poor in the Component Mode despite setting 480p.</p> <p>Cause: To enable the wireless signal transmission for 480p input, it is converted to 480i before MPEG Encoding.</p>	<p>Solution: MPEG Encoding of 480p is not possible in the current consumer electronics technology as it is, so viewing the original 480p picture quality is limited.</p>
<p>After selecting the STB Mode of the Remote Control, AV Center does not respond to the Remote Control.</p> <p>Cause: The Remote Control of AV Center only turns power ON and OFF, but cannot respond to other Remote Control keys.</p>	<p>Solution: Set the Remote Control to the TV Mode and perform all controls on the PDP.</p>
<p>The message "Not available in the current mode." appears.</p> <p>Cause: Input of unavailable function keys (e.g. trying to switch a channel in External Input mode) may cause the message to appear.</p>	<p>Solution: Please try to use other menu keys that are available.</p>



Care and Maintenance

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

Caution

- Do not put the PDP with WIRELESS HOME AV CENTER near extremely hot, cold, humid, or dusty places.
- Do not put the PDP with WIRELESS HOME AV CENTER near appliances that create magnetic fields.
- Keep the ventilation openings clear.
- Do not place the PDP with WIRELESS HOME AV CENTER on a rough and slanted surface, such as cloth or paper.
- Obstacles disrupting communication between the PDP and the WIRELESS HOME AV CENTER might prevent the video from displaying. Install the PDP and WIRELESS HOME AV CENTER in the same place as near to each other as possible. Consult the Service Center nearest you if the communication error continues.

Liquids

- Do not place liquids near or on the PDP with WIRELESS HOME AV CENTER.

Cabinet

- Never open the cabinet or touch the parts inside.
- Wipe your PDP with WIRELESS HOME AV CENTER 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 with WIRELESS HOME AV CENTER 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 is a 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		HP-P5091 (PDP)
Dimensions	Display	1257 (W) x 84 (D) x 740 (H) mm ; 49.49 (W) x 3.31 (D) x 29.13 (H) inches
	Remote Control	54 (W) x 31.5 (D) x 220 (H) mm ; 2.13 x 1.24 x 8.66 inches
Weight	Display	36 kg ; 79.41 lbs
	Remote Control	150g (including batteries) ; 0.33 lbs
Voltage		120V~, 60Hz
Power Consumption		490 Watts
Number of Pixels		1366(H) x 768(V) ; 14.17 x 11.81 x 2.76 inches
Screen Size		127 Cm/50 inches
VIDEO / AUDIO input/output		WIRELESS DVI, WIRELESS Din, Speaker out

Model		SIR-TW491 (WIRELESS HOME AV CENTER)
General Specifications	Broadcasting standard	DTV (ATSC - 8VSB) / NTSC
	Power requirement	AC 120 V, 50-60Hz
	Power consumption	30 watts / In standby: 2 watts
	Dimensions (W x D x H)	430 (W) x 322 (D) x 67 (H) mm ; 16.93 (W) x 12.68 (D) x 2.64 (H) inches
	Weight	4.4 kg ; 9.9 lbs
RF Specification	Tuning system type	F/S
	Band coverage	VHF 2 ~ 13 UHF 14 ~ 69
	Cable Band	14 ~ 125
	Antenna	75-ohm external antenna terminal for VHF/UHF and Cable
	Number of inputs/ outputs	Component - 480i, 480P TV OUT Video IN S-Video IN DIGITAL AUDIO IN (OPTICAL) DIGITAL AUDIO OUT (OPTICAL) DIGITAL AUDIO OUT (COAXIAL) 1 Analog Audio Out (Rt/Lt)



Memo



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