

SAMSUNG

PLASMA DISPLAY

with WIRELESS HOME AV CENTER

Owner's Instructions
HP-P5091



This device is a Class B digital apparatus.

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.

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

Displaying 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.

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 this screen when displaying a still image.

- **Altitude**

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

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

PDP TV displays picture by Plasma discharge. For this reason, using the PDP TV for a long period of time results in dissipation of heat by the panel.

Please note that the top side of the product may be hot after use for long periods of time as the heat dissipation from the panel through the vent hole in the upper part of the product.

You don't have to worry since PDP TV's heat dissipation does not necessarily indicate any defect or operation failure of the product.

Particularly when watching TV with children, adults should prevent children from touching the upper part of the product.

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

The 'clacking' noise may occur when the product contracts or expands due to change of surrounding environment such as temperature or humidity.

You don't have to worry since the noise doesn't mean the product is out of order.

- **There are black or red spots on the screen.**

PDP is using the panel consisted of 1,230,000(SD-level) to 3,150,000(HD-level) pixels which requires sophisticated technology to produce.

There might be bright or dark spots on the screen but those spots will have no impact on the performance of the product.

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

- **The still image 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.**

By PDP's nature, after displaying still images from Video games and PC for over a certain period of time may produce partial afterimage. It is because the PDP Panel's accumulation effect may produce the intensity degradation of the panel. To prevent from 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.

PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

General Information

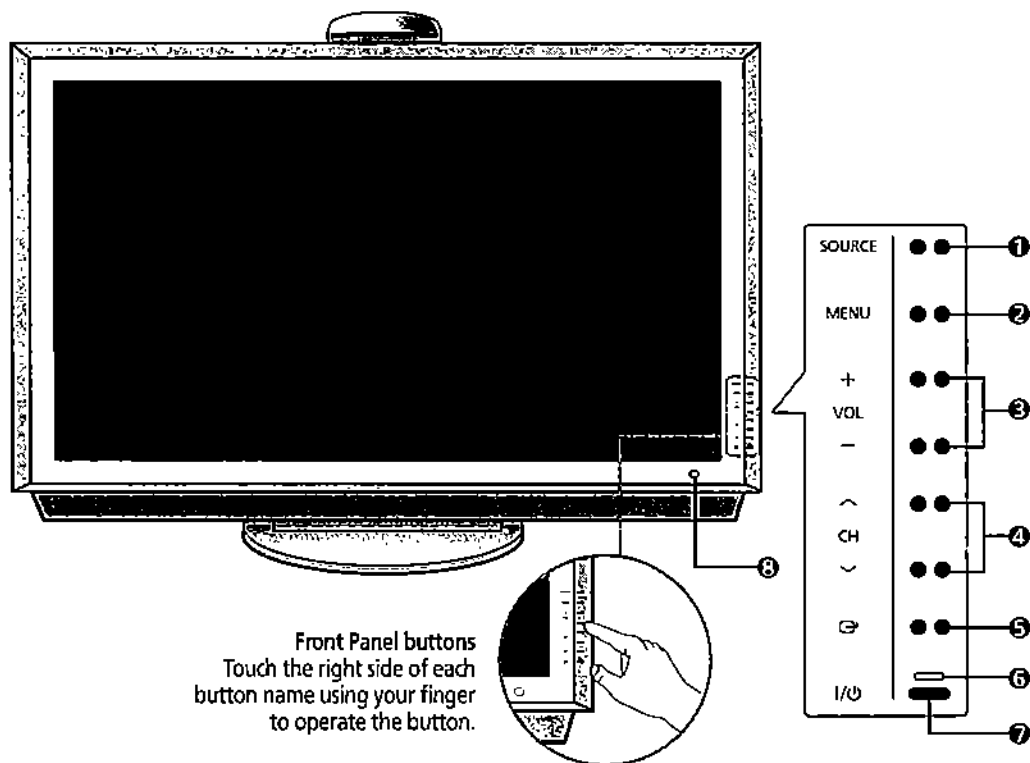


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Your New Plasma Display Panel

Front Panel



1 SOURCE button
Press to display all of the available video 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(E) button
Press to confirm a selection.

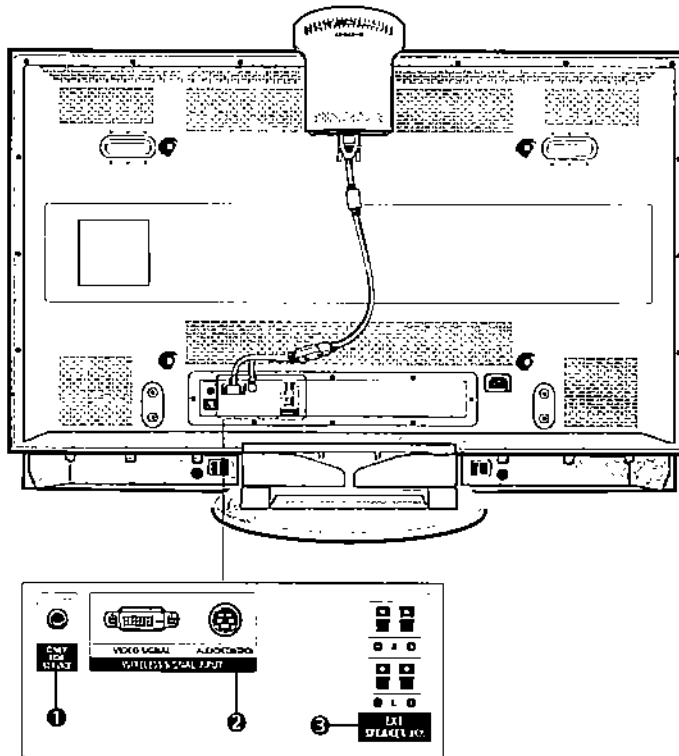
6 POWER Indicator
Power Off : LED Red
Power On : LED Off

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.

Plasma Display

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)

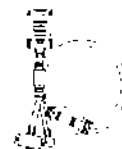
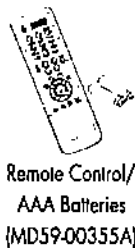
Connect external speakers to your PDP.

➤ 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.

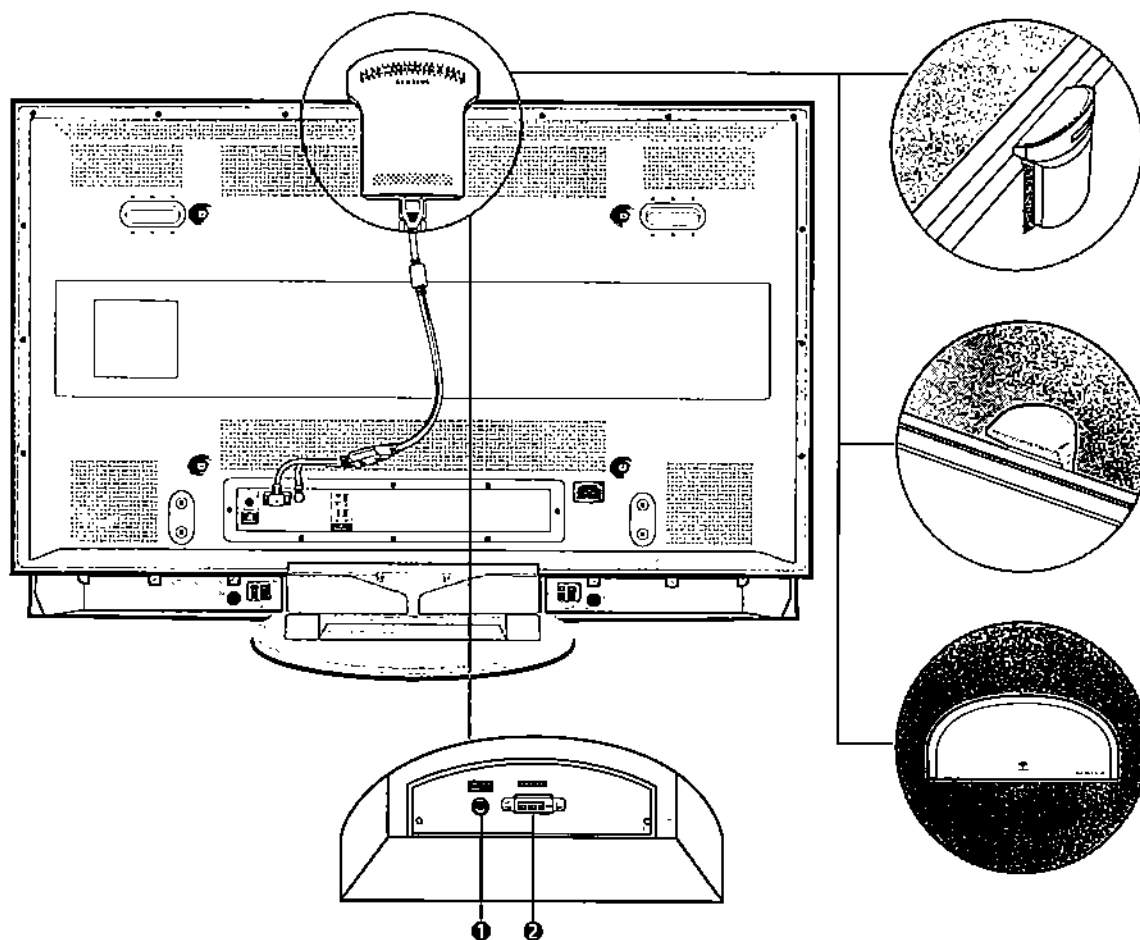
Checking Accessories

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.





WIRELESS AV RECEIVER



1. ONLY FOR SERVICE

For Service only

2. AV SIGNAL JACK

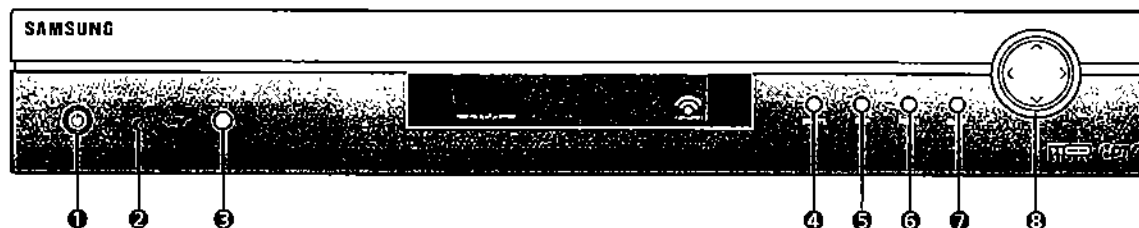
Connect to the WIRELESS SIGNAL INPUT Port on the rear of the PDP.



PLasma Display

Your WIRELESS HOME AV CENTER

Front Panel



❶ POWER

Press to turn the power on or off.

Power On : GREEN

Power Off : RED

❷ Wireless LED

This Wireless LED will light up Green when Wireless communication is successful.

❸ DTV(LED)

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

❹ SOURCE

Press to display all of the available video sources.

❺ 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.

❻ MENU

Press to display the on-screen menus.

❼ ENTER

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

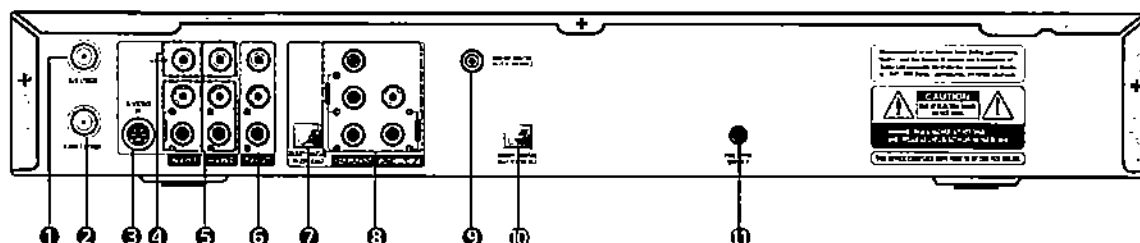
❽ ARROW (UP/DOWN/LEFT/RIGHT)

Push these buttons to navigate the on-screen Guide and menu system.
Used for CH ^/~ and VOL +/-.



Your 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 DOLBY DIGITAL IN (OPTICAL)

Using an optical digital audio cable, this jack allows you to connect your WIRELESS HOME AV CENTER to an DVD or Set-Top Box that has an optical digital audio output.

Use this terminal for Component mode.

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 DOLBY DIGITAL OUT (COAXIAL)

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

Note

- Outputs in PCM format.

10 DOLBY DIGITAL OUT (OPTICAL)

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

11 ONLY FOR SERVICE

For Service only.



Plasma Display

Remote Control Buttons

Remote Control

1 POWER ON button

Turns the PDP and WIRELESS HOME AV CENTER on.

2 ANTENNA button

Pressing the ANTENNA button toggles the input between Air and Cable.

3 NUMBER buttons

4 +100 button

Press to select channels over 100. For example, to select channel 121, press "+100", then press "2" and "1".

5 MUTE button

Press to mute the PDP sound.

6 VOL (+/-) buttons

Use it to adjust volume.

7 GUIDE button

Press to view the on-screen Program Guide.

8 MENU button

Press to display the on-screen menus or to switch back to the previous menu screen that was displayed.

9 ENTER button

Confirm a selection.

10 FAV. CH button

Displays a favorite channel.

11 ASPECT button

Press to change the screen size.

12 LCD Display

When you press a button, "TV" 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

Press to display all of the available video sources (i.e., Component, AV1, AV2, and S-Video). Toggles between all the external input sources.

17 CH (Channel) (+/-) buttons

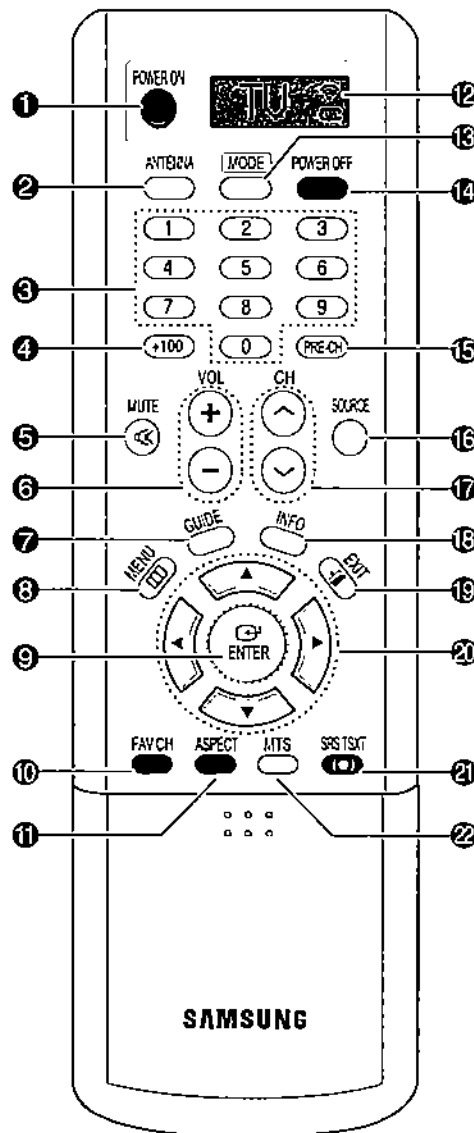
Use it to switch channels.

18 INFO button

Press to display information on the PDP screen.

19 EXIT button

Press to exit the menu.



20 UP/DOWN/LEFT/RIGHT buttons

Controls the cursor in the menu.

21 SRS TSXT button

Selects TruSurround XT mode. Refer to page 61.

22 MTS button

Press to choose stereo, mono or Separate Audio Program (SAP broadcast).

23 AUTO PROG. button

The TV automatically cycles through all of the available channels and stores them in memory.

24 ADD/DEL button

Press to add or delete channels in the TV's memory.

25 DNle button

Activates DNle (Digital Natural Image engine).

26 SLEEP button

Press to select a preset time interval for automatic shutoff.

27 SET button

Used during set up of this Samsung remote control, so that it will work compatibly with other devices (VCR, Cable Box and DVD). Refer to page 46.

28 P.MODE button

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

29 CAPTION button

Controls the caption decoder.

30 S.MODE button

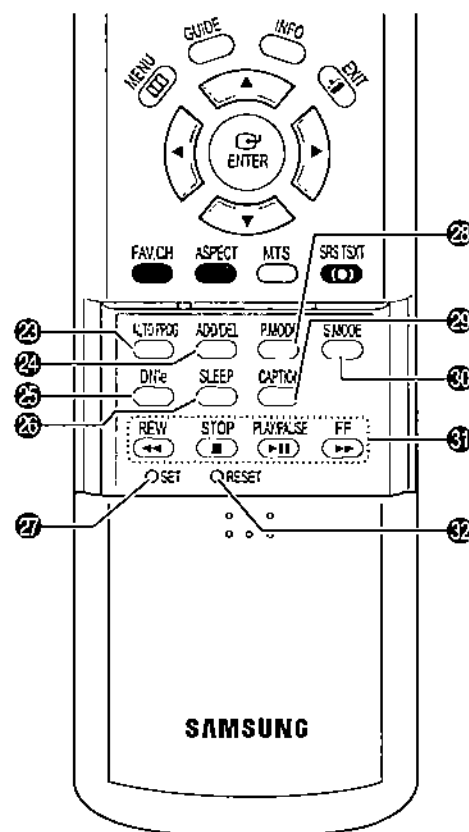
Press to select the sound mode.

31 VCR, DVD control buttons

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

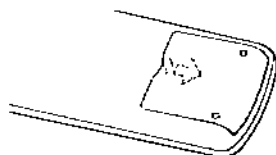
32 RESET button

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.

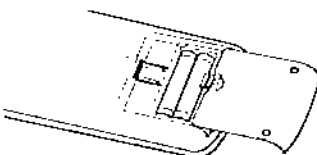


Installing the Batteries in Your Remote Control

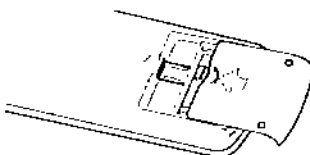
1 Slide the back cover to open the battery compartment of the remote control.



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.



Plasma Display

Wall Installation Instructions

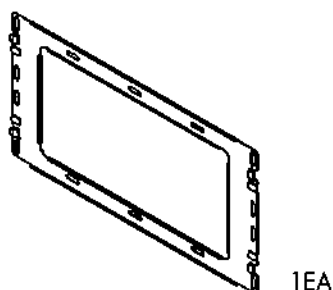
● Installation Notes

- 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 :
 - Do not install next to smoke and fire detectors.
 - Do not install in an area subject to vibration.
 - Do not install in an area subject to high voltage.
 - Do not install near or around any heating apparatus.
- 3 Use only recommended parts and components.

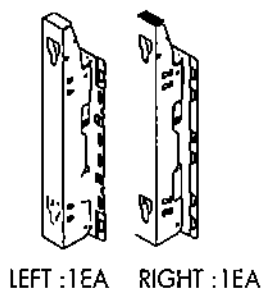
➤ This wall mount bracket installation guide is for the following model : HP-P5091

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

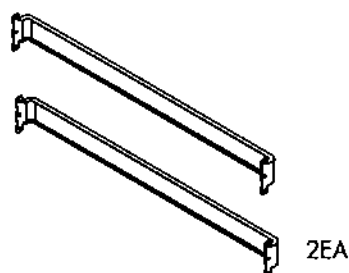
Wall Mount Bracket



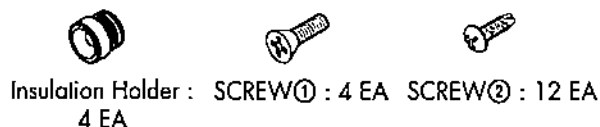
ASSY-HINGE



Support Bars

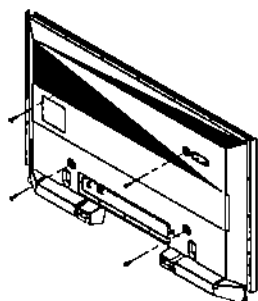


Screws



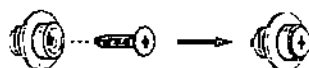
Fixing the PDP panel to the wall attachment panel bracket

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

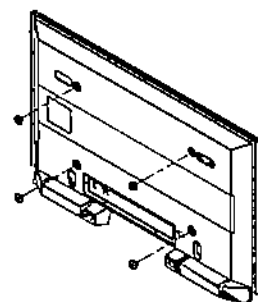


Removing four screws

- 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.

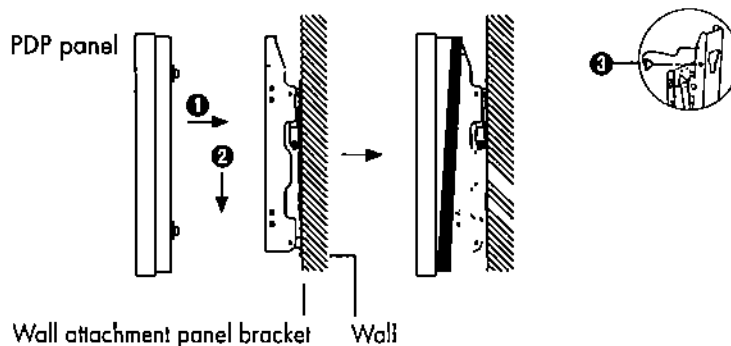


Connecting four screws

Note

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

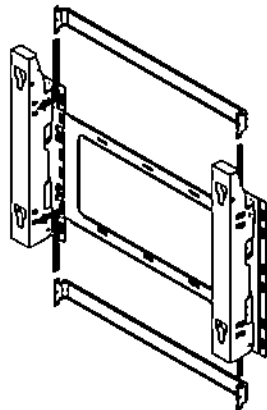
- 4 Put the 4 insulation holders on the PDP in the grooves of the wall mount bracket and pull down on the PDP (1) to secure it to the wall mount bracket. (2) Tighten the screws as shown (3) so that the PDP cannot be separated from wall mount bracket.



How to Adjust Mounting Angle

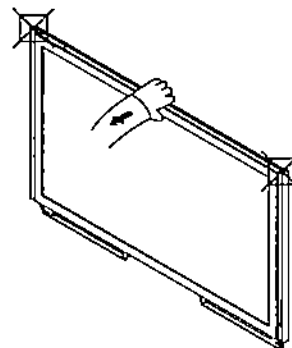
Note : Please secure the mounting bracket on the wall surface after setting its angle at 0°

Factory default



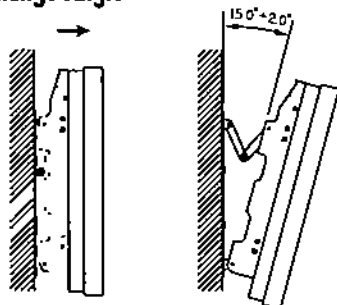
The wall mount bracket is delivered separately. Please tighten the captive screw in the direction of the arrow after assembling the bracket.

How to Adjust Mounting Angle



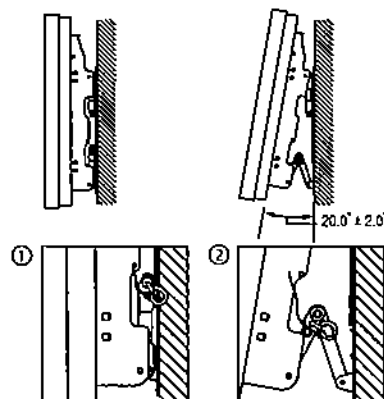
Hold onto the middle of the PDP to adjust the angle (not the sides of the PDP).

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 Be sure to remove the safety pins underneath the PDP. (Caution : If the safety pins are not removed, the angle cannot be adjusted.) Any attempt to do so may cause damage to the PDP.
- 2 Hold onto the bottom of the PDP and pull forward fully as directed by the arrow (as illustrated) to adjust the angle. (0°~20° by 2°). Insert the safety pins to the front guide holes on both sides as illustrated in figure 2.
- 3 Viewing the PDP after connecting the external devices. Remove the safety pins to adjust the angle to 0°, and then secure the safety pins again. (Warning : For safety, be sure to secure the PDP using the safety pins. If the safety pins are not used, the PDP may fall, causing serious injury.)



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 completely hung.
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°.

PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

Connections



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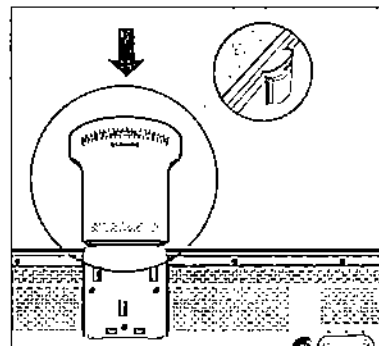


Connecting the PDP to the WIRELESS HOME AV CENTER

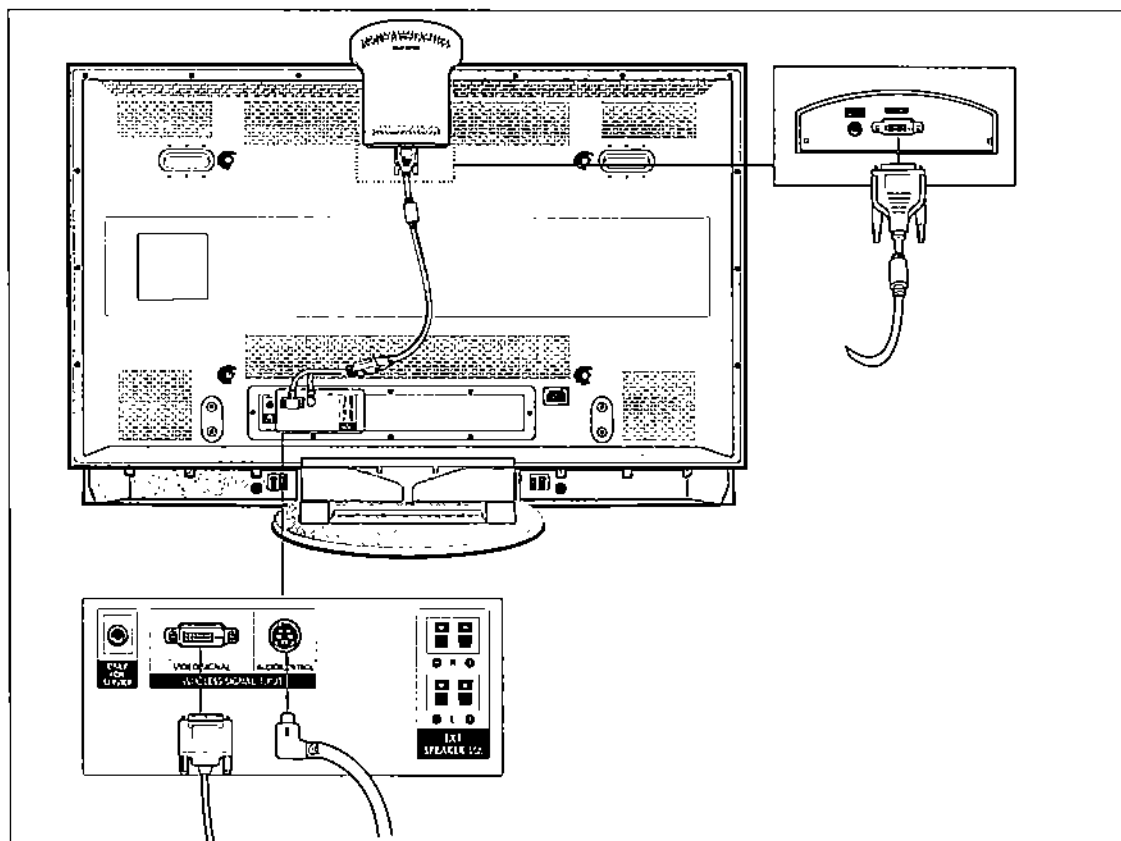
Connecting the PDP to the WIRELESS HOME AV CENTER

- 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 parts on the rear of the PDP to the A/V SIGNAL Port on the bottom of the WIRELESS AV RECEIVER.





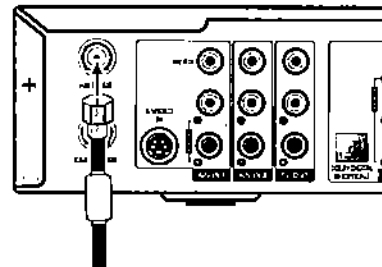
Plasma Display

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, an accessory included in the product package.



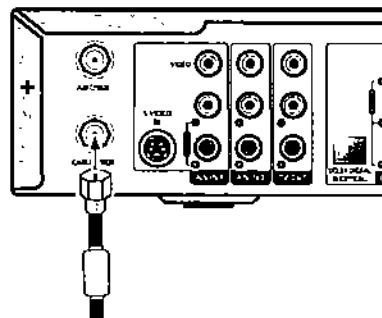


Connecting Cable TV

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.

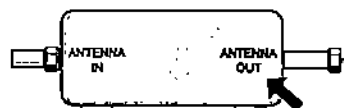
Cable without a Cable Box

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

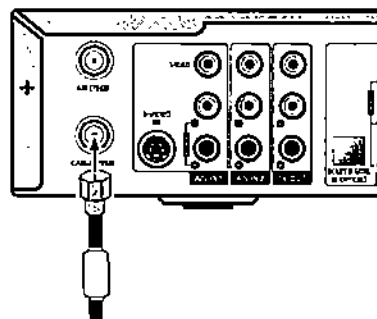


Cable with a Cable Box that Descrambles All Channels

- 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, an accessory included in the product package.

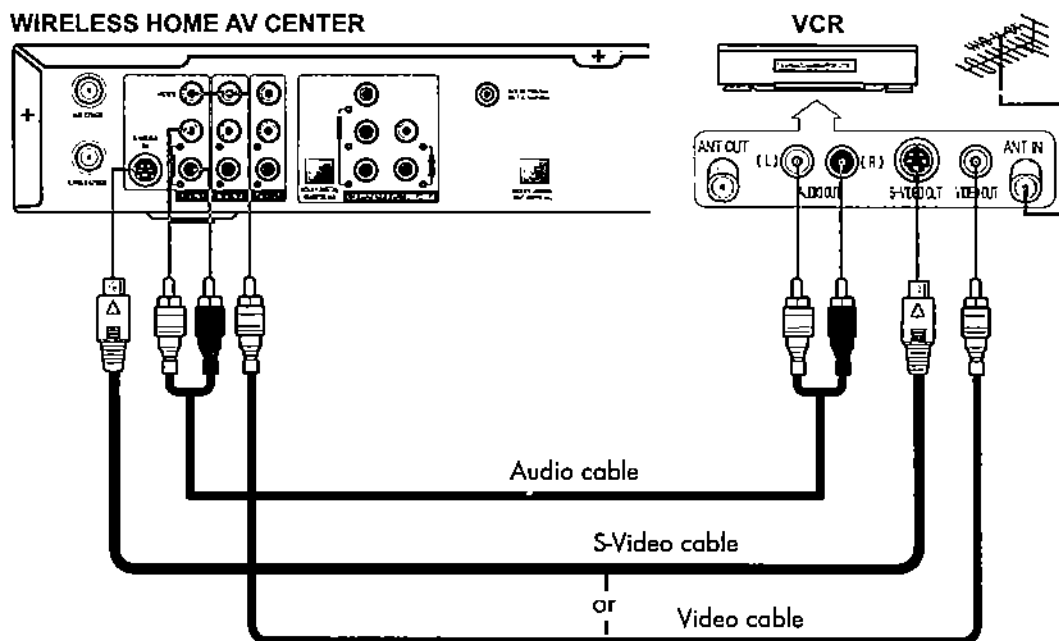




Plasma Display

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, you can use an S-Video cable.)

Note

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

Videotape Playback:

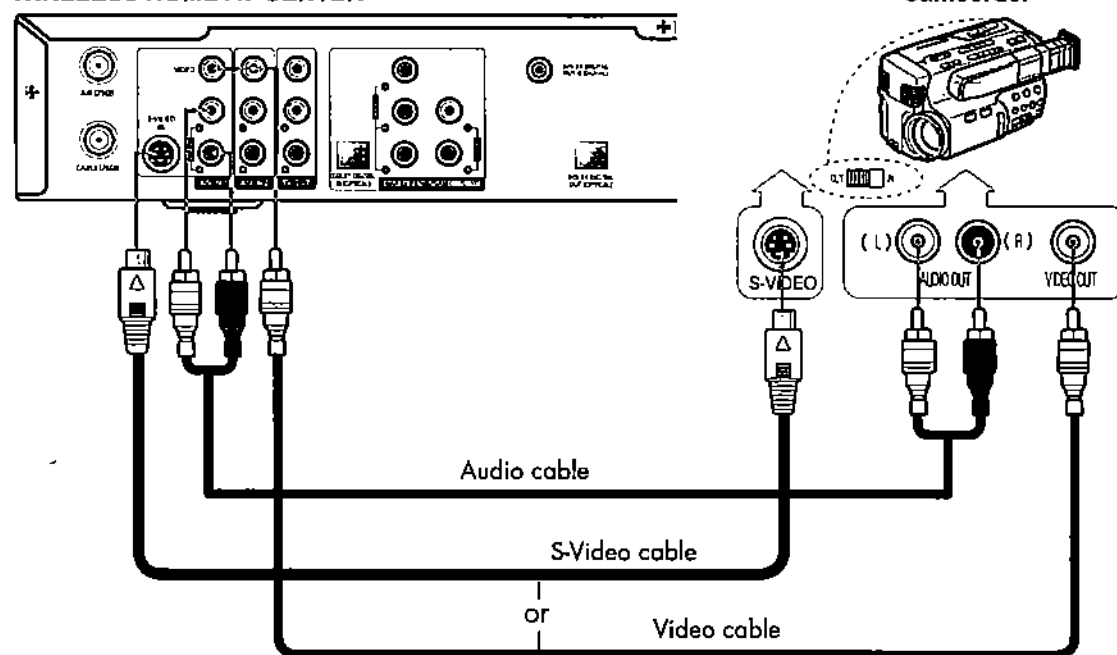
1. Turn on your PDP and WIRELESS HOME AV CENTER.
2. Press the SOURCE button to select "VIDEO(AV1 or AV2)" or "S-VIDEO".
3. Turn on your VCR, insert a videotape and press the Play button.



Connecting a Camcorder

Viewing camcorder tapes

WIRELESS HOME AV CENTER



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, you can use an S-VIDEO cable.)

Note

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

Viewing Tapes

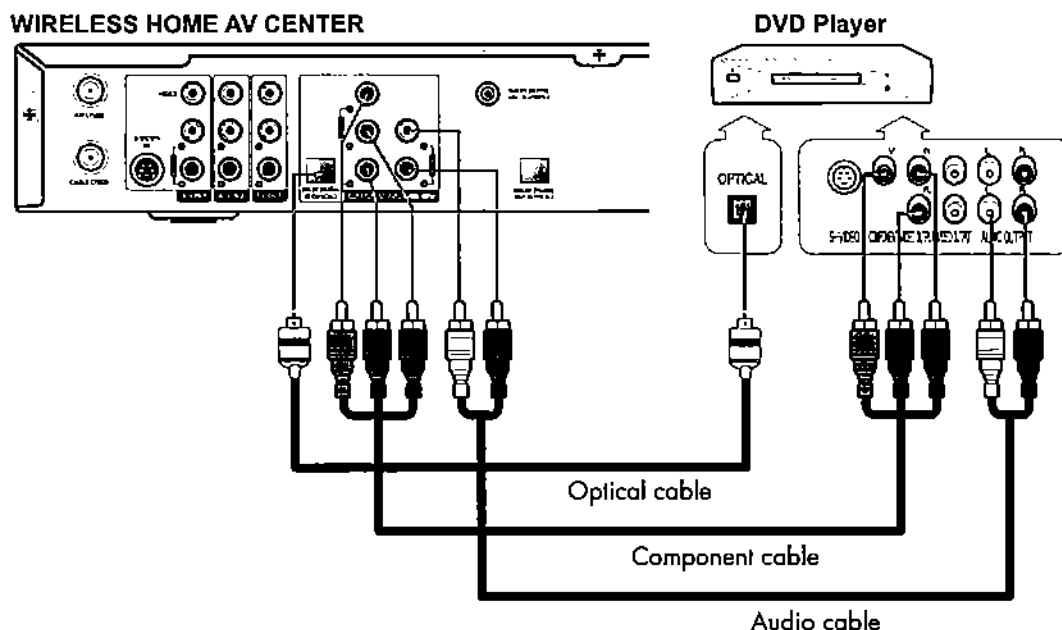
1. Turn on your PDP and WIRELESS HOME AV CENTER.
2. Press the SOURCE button to select "VIDEO(AV1 or AV2)" or "S-VIDEO".
3. Turn on your camcorder and set it to video mode. (For details, refer to your camcorder owner's instructions.)
4. Set the IN/OUT switch on your camcorder to OUT.
5. Insert the tape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



Plasma Display

Connecting a DVD Player (480i, 480p)

Playing DVD



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 Connect the AUDIO L/R (COMPONENT) input jacks on the WIRELESS HOME AV CENTER to the the AUDIO output jacks on the DVD player using a audio cable.
- 3 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. You can select Audio input source between SPDIF and Lt/Rt on the PDP menu.
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.

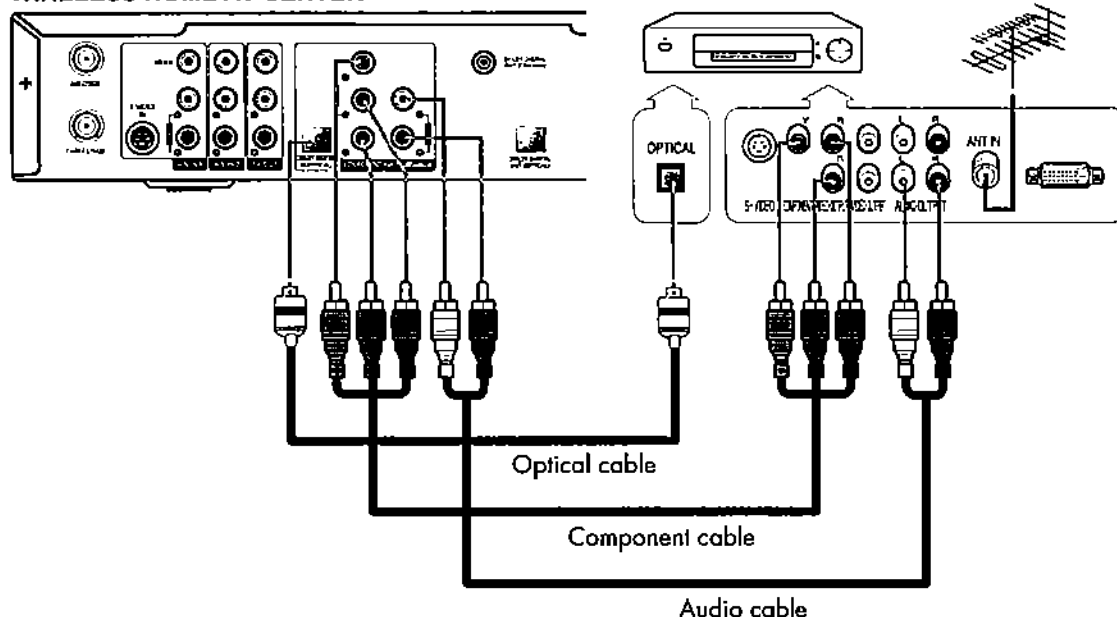


Connecting a DTV Receiver (480i, 480p)

Note: Wireless Home AV Center does not take 720p and 1080i.

Watching DTV

WIRELESS HOME AV CENTER



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 PDP 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 PDP to the AUDIO output jacks on the DTV receiver using a audio cable.
- 4 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 Watch DTV:

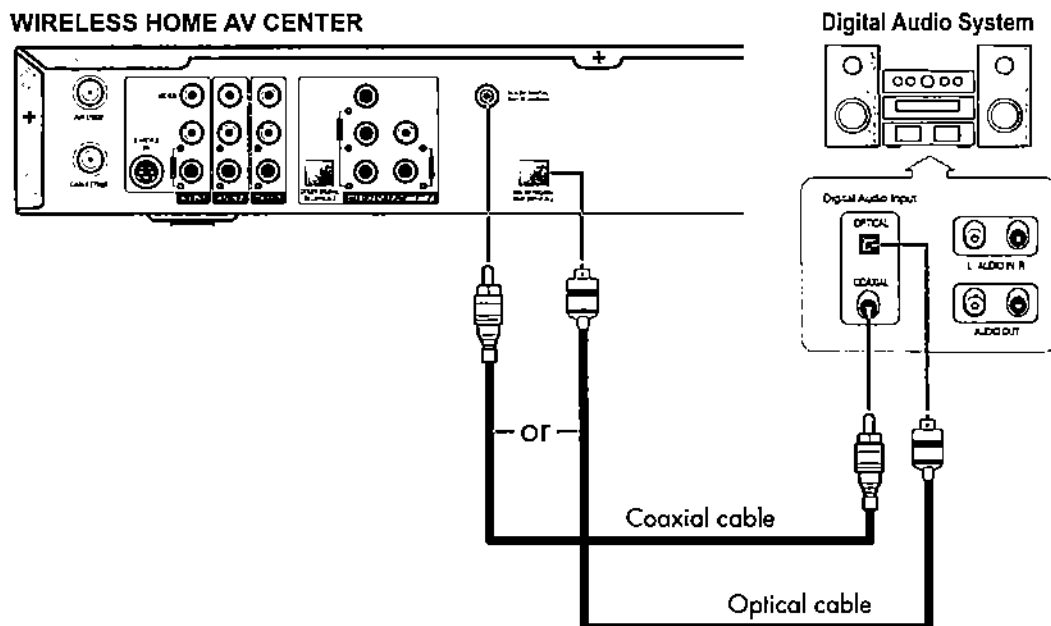
1. Turn on your PDP and WIRELESS HOME AV CENTER.
2. Press the SOURCE button to select "COMPONENT".
3. You can select Audio input source between SPDIF and Lt/Rt on the PDP menu.
4. Turn on your DTV receiver.
 - For an explanation of component video, see your DTV receiver owner's instructions.



PLasma Display

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.

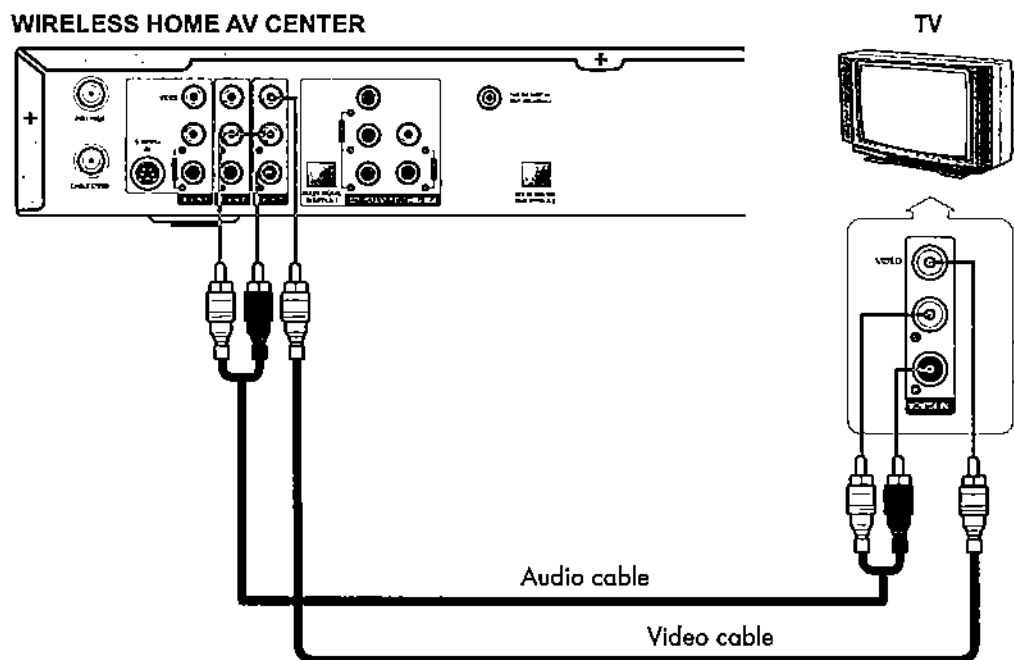


How to Connect

- 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.
A transmission system of digital audio in the form of a light wave, S/PDIF format using a glass conductor.
 - COAXIAL: The digital audio signal is received through a coaxial copper cable.



Connecting to a second TV



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 contents protection.

Videotape Playback:

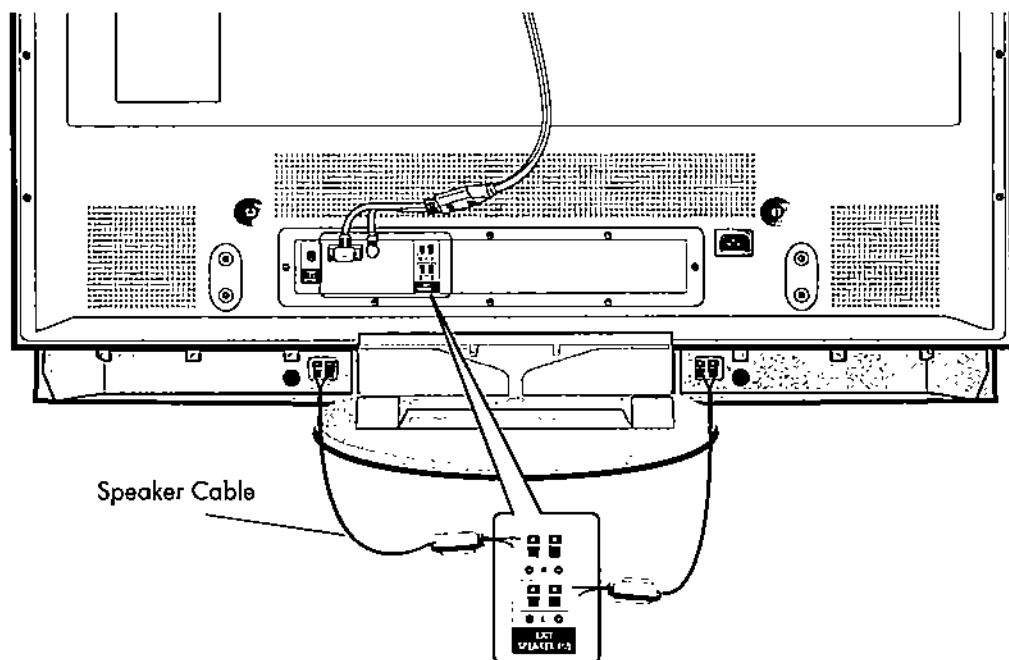
1. Turn on your PDP and WIRELESS HOME AV CENTER.
2. Turn on your TV.



Plasma Display

Connecting Speakers

External speakers are sold separately. Check with your dealer.



- * External speakers **MUST** have a power handling capability of 15 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.

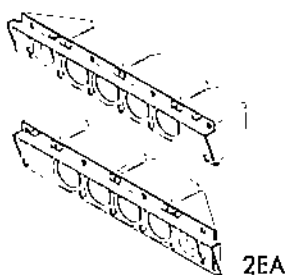


Installing the Speakers

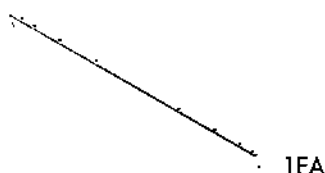
This speaker installation guide is for the PSN5040 speakers.

Parts

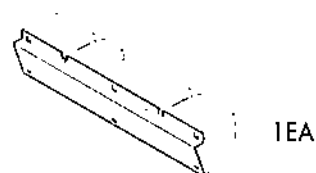
Speakers



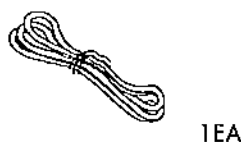
Speaker Dust Cover



**Middle Cabinet
(Wall Mount Only)**



Speaker Cable



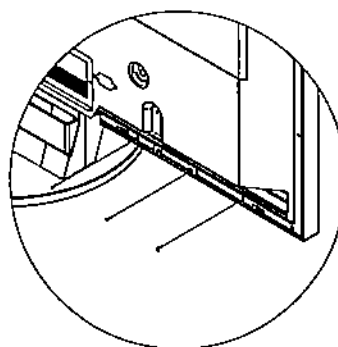
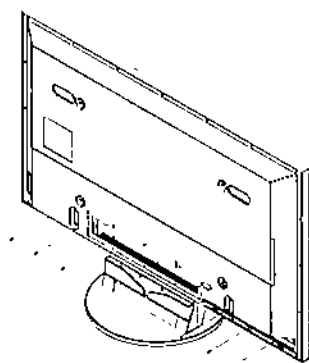
Screws



Screw 2EA① Screw 6EA②

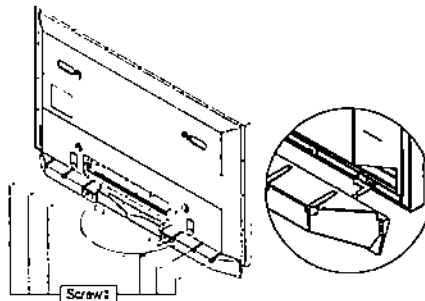
How to Attach the Speakers when using the Stand

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

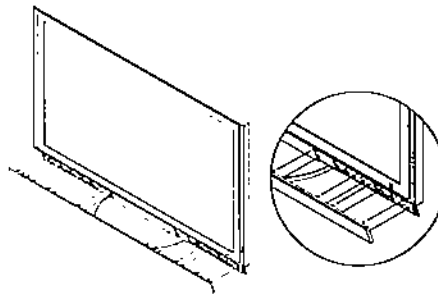


Plasma Display

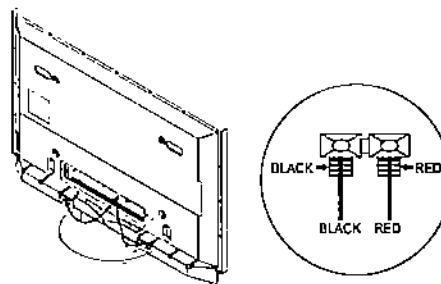
- 2** Set the speaker guide bracket into the square grooves located on either side of the PDP's bottom rear, then push the speaker guide bracket towards the center (as the arrow illustrates). Secure the speaker guide bracket with provided screws ②. (Always use the proper screws, as indicated.)



- 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

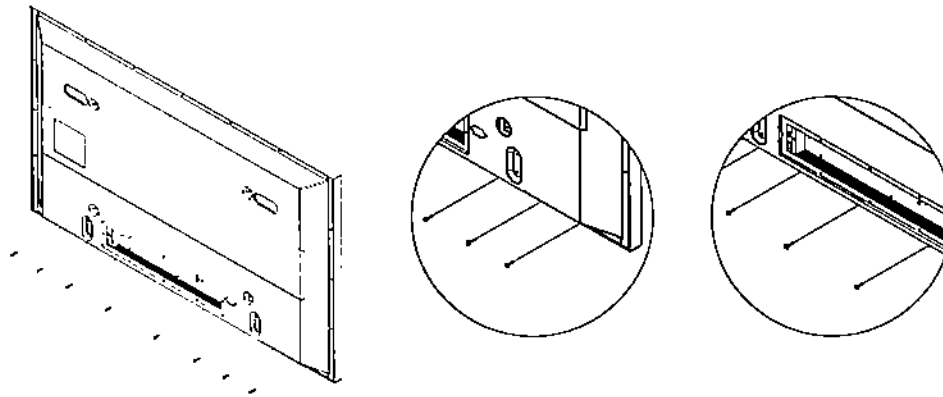
- When moving the PDP with the speakers attached, be sure to hold on to the PDP to prevent damage. (Damage may occur to the speaker connecting brackets or the speakers.)
- Speakers of 8 Ω impedance, 15W Nom. Power, 30W Max. Power is recommended.



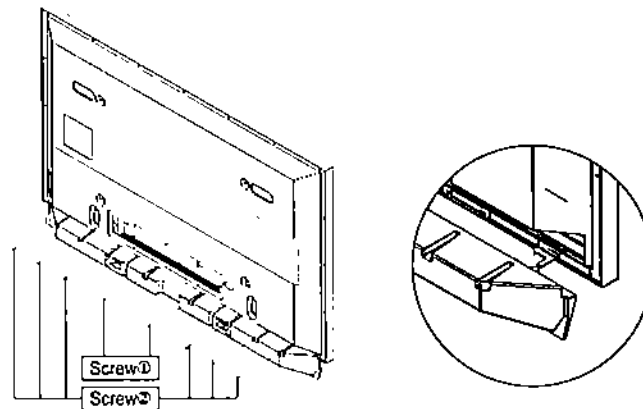
Installing the Speakers

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).

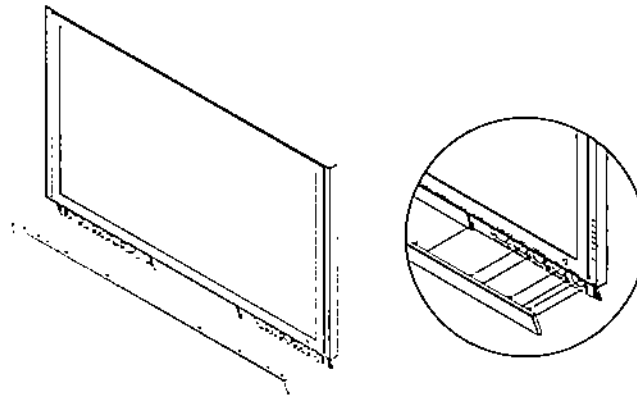


- 2 Set the speaker guide bracket into the square grooves located on either side of the PDP's bottom rear, then push the speaker guide bracket towards the center (as the arrow illustrates). Secure the speaker guide bracket with provided screws ②. Secure the middle cabinet to the center of the PDP with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

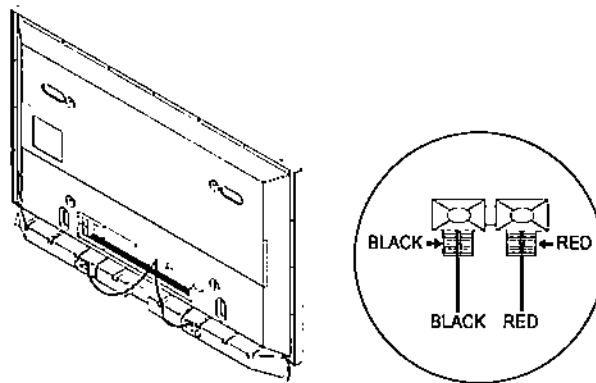


Plasma Display

-
- 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.)



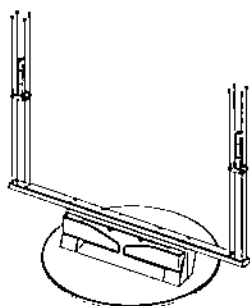
Notes

- 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 8Ω impedance, 15W Nom. Power, 30W Max. Power is recommended.

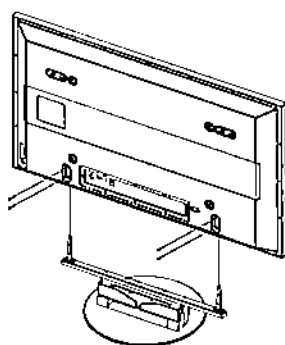


How to assemble and attach the Stand-Base

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



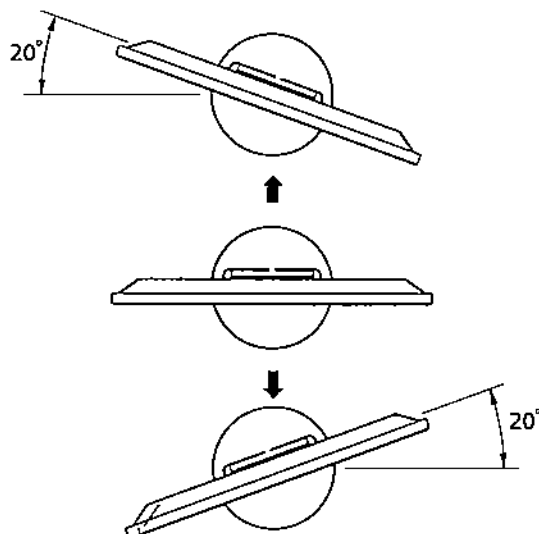
- 2 Using the 4 screws for securing the stand pegs and the monitor, firmly attach the monitor to the stand pegs. (The exterior of the set may be different than the picture.)



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.



PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

Operation



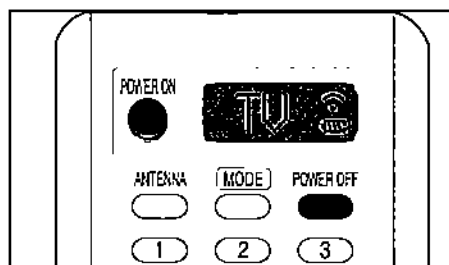
Turning the PDP On and Off	34
Memorizing the Channels.....	35
Using the On-Screen Help	40
Setting your Favorite Channels	41
Fine Tuning Channels.....	42
Setting the Date and Time.....	43
Checking the Digital-Signal Reception	44
Setting Up your Remote Control	45



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 and the Wireless Home AV Center, press the POWER OFF to the PDP. And the Wireless Home AV Center is automatically turned off.



Note:

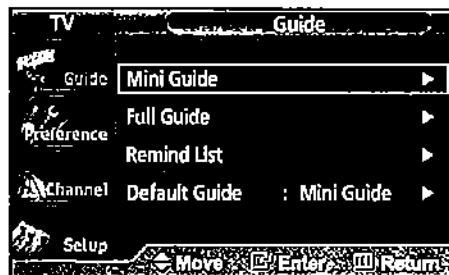
- If your PDP isn't turned on when the POWER ON button is pressed: Press the **MODE** button to check if the TV mode has been chosen (**TV**).

Viewing the Menus and Displays

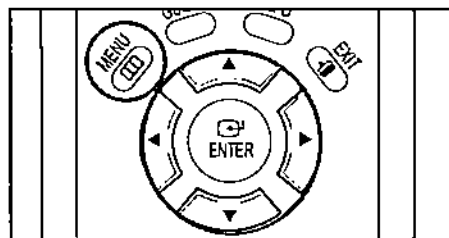
Your PDP has a simple, easy-to-use menu system that appears on the PDP screen. This system makes it convenient and fast to use features on the PDP. Your PDP also lets you display the status of many of your PDP's features.

Viewing the Menus

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

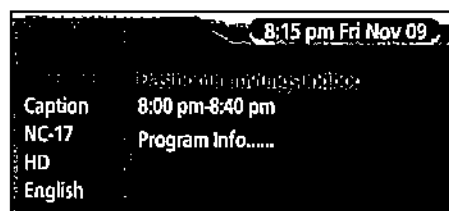
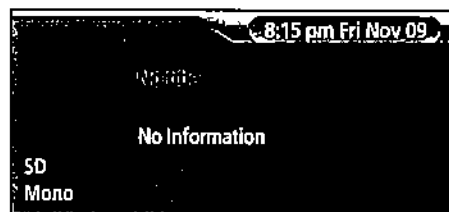


- Press the **▲** or **▼** button to move items in the menu. Press the **◀/▶/ENTER** buttons to display, change, or use the selected items. Press the ENTER (**OK**) button to enter items in the menu. On screen menus disappear from the screen automatically after about 2 minutes, or you can press the MENU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





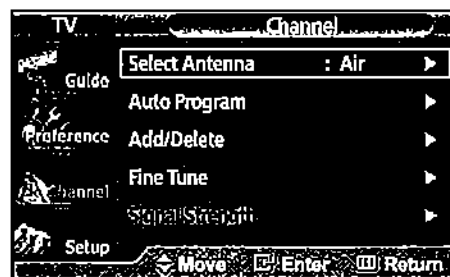
Memorizing the Channels

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 $\leftarrow$ and CH $\rightarrow$ 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).

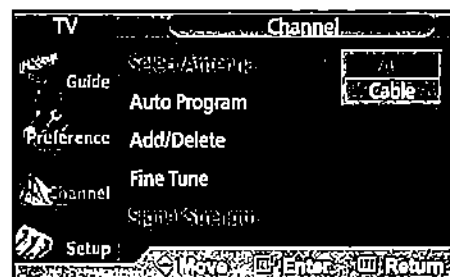
- 1 Press the MENU button. Press the $\blacktriangle$ or $\blacktriangledown$ button to select "Channel", then press the ENTER button.



- 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.

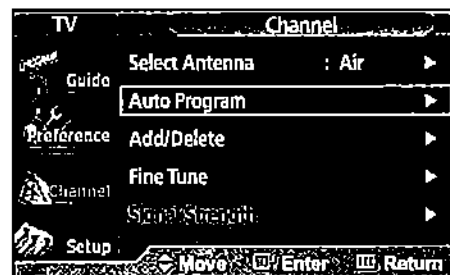
Storing Channels in Memory (Automatic Method)

- 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.



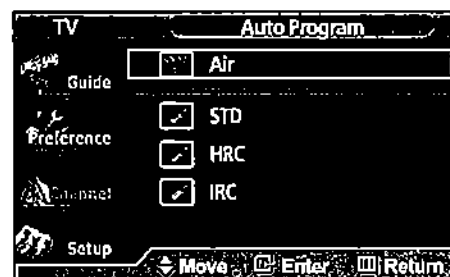
- 2 Press the ▲ or ▼ button to select "Auto Program", then press the ENTER button.

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



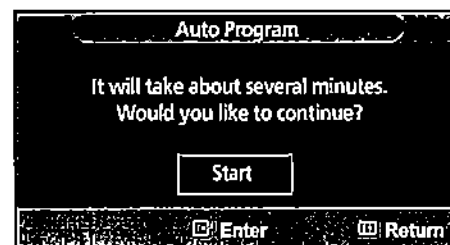
- 3 Press the ▲ or ▼ button to select the correct signal (Air, STD, HRC, and IRC). Select an option and then press the ENTER button.

If you are connected to an antenna (Air), leave "Air" displayed. If you connected 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).



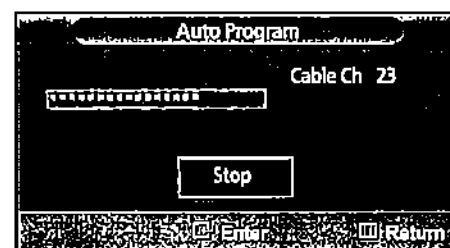
- 4 Press the ENTER button. The PDP will begin memorizing all of the available channels. After all the available channels are stored, the Auto program menu reappears. Press the MENU button to stop.

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



Notes

- The WIRELESS HOME AV CENTER MUST be connected to an antenna (Air) in order to receive digital TV signals. Even if a particular channel is not stored in memory, you can always tune to that channel directly by using the number buttons on the remote control.
- Auto Program may take a few minutes to process.



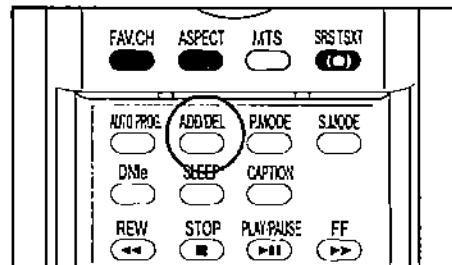
Adding and Deleting Channels (Manual Method)

- 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 $\uparrow$ or CH $\downarrow$ button to change channels.

When you press the CH $\uparrow$ or CH $\downarrow$ 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".)

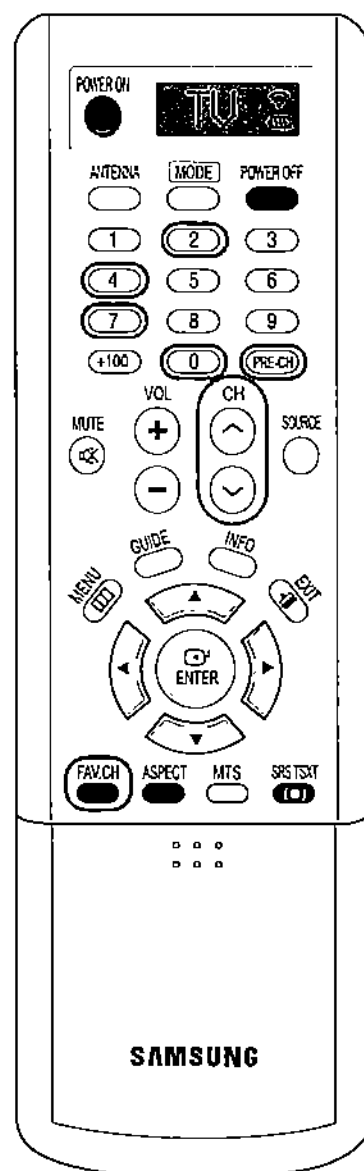
Using the PRE-CH button to select the previous channel

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.



Adjusting the Volume

Using the Volume Buttons

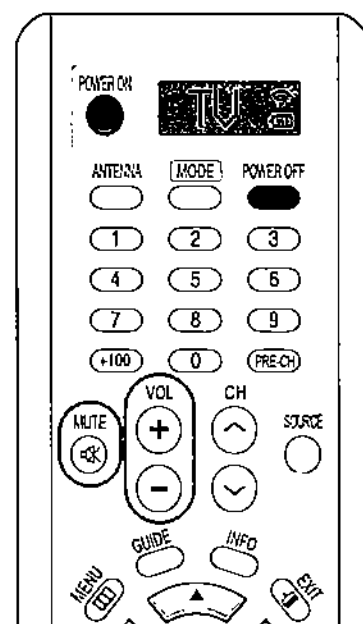
Press the VOL $\uparrow$ or VOL $\downarrow$ button to increase or decrease the volume.

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 $\uparrow$ or VOL $\downarrow$ button.
You must first do the "Storing Channels in Memory" procedure (See page 36) before you can use the CH $\uparrow$, CH $\downarrow$ and FAV. CH buttons.



Note

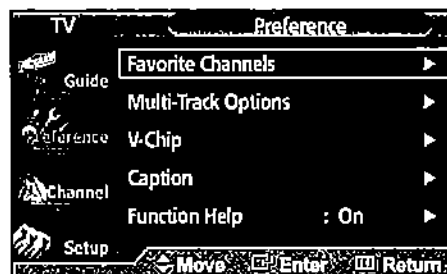
- MUTE does not cancel the Dolby Digital Output (Coaxial, Optical), nor the TV OUT L/R sound.



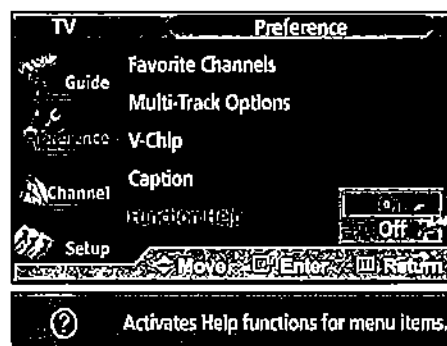
Using the On-Screen Help

To turn the on-screen help on :

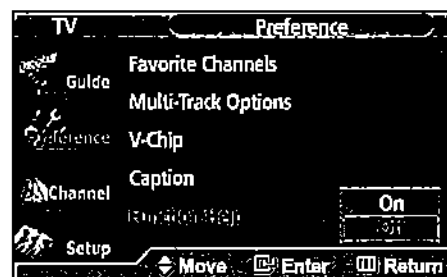
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Preference", then press the ENTER button.



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



- 3 Press the ▲ or ▼ button to select "On" and the on-screen help appears. 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.

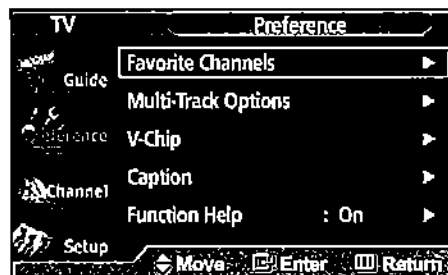


Plasma Display

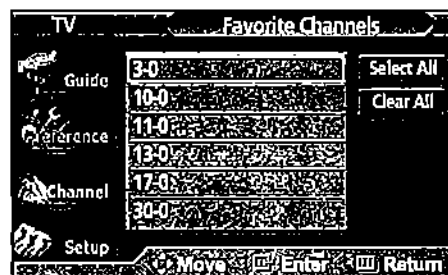
Setting your Favorite Channels

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.



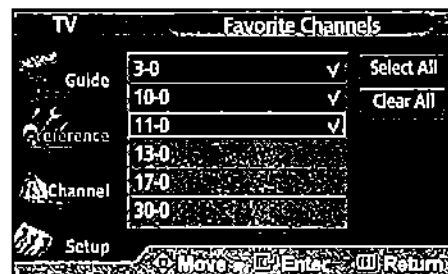
- 2 Press the ENTER button.
The Favorite Channels option is displayed.



- 3 Press the ▲ or ▼ button to select the channel you want to designate as a "Favorite Channels" 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 ▲, ▼, ◀, or ▶ button. All Favorite Channels are canceled.



- 4 Press the MENU button to exit.

Notes

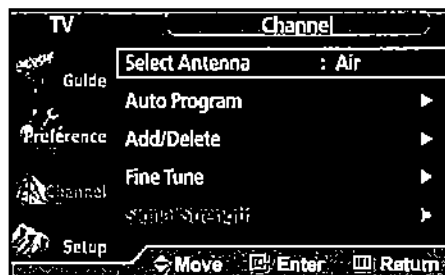
- You can now jump from one favorite channel to another by pressing the FAV. CH button.
- Channels must be memorized before Favorite Channels can be set (see page 35).



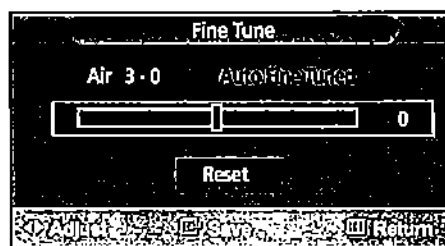
Fine Tuning Channels

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.



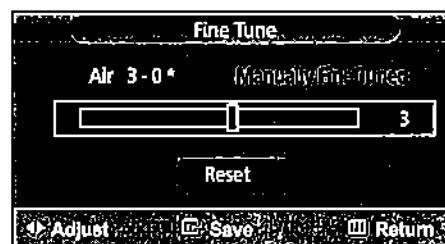
- 2 Press the ▲ or ▼ button to select "Fine Tune", then press the ENTER button.



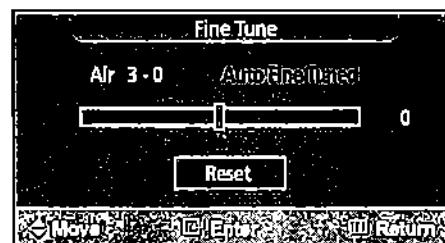
- 3 Press the ◀ or ▶ button to adjust the fine tuning.



- 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.



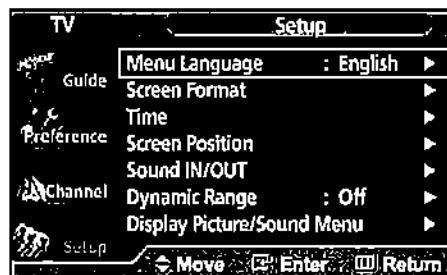


PLasma Display

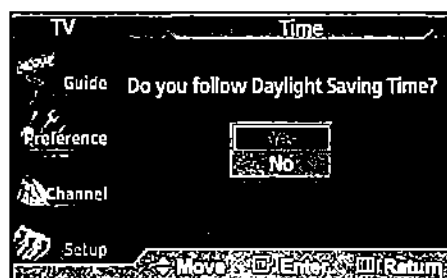
Setting the Date and Time

To set the Date and Time, you must select a channel with a Digital signal.

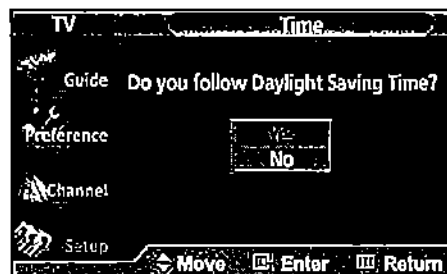
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



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

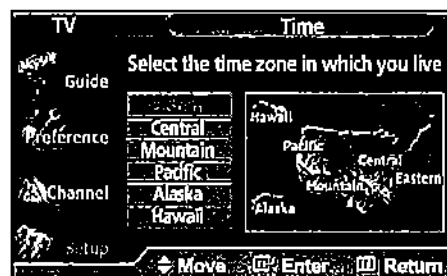


- 3 You will be asked if your local area observes Daylight Saving Time. Press the ▲ or ▼ button to select "Yes", and press ENTER button.

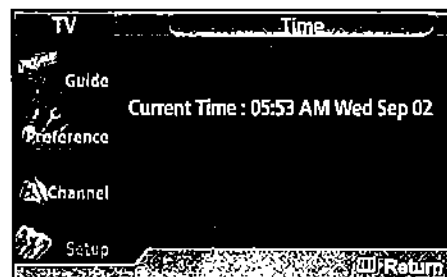


- 4 Press the ▲ or ▼ button to select your time zone for your local area (move the highlight to the appropriate time zone on the map of the United States), then press ENTER.

The time will be set automatically through the digital signal.



- 5 Press the MENU button to exit.

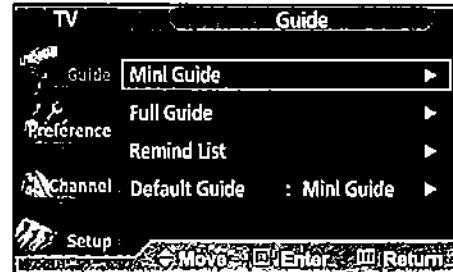




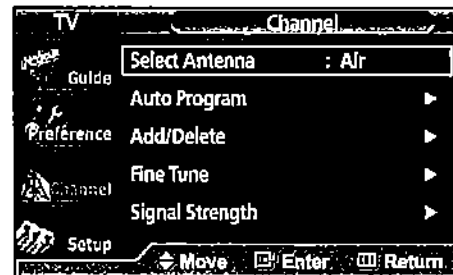
Checking the Digital-Signal Reception

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.

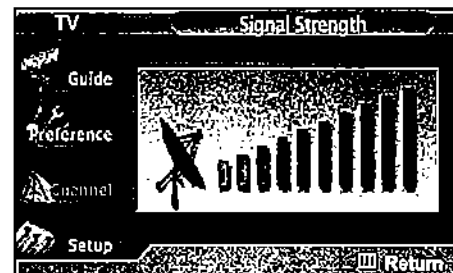


- 2 Use the ▲ or ▼ buttons to select “Channel”, then press the ENTER button.



- 3 Press the ▲ or ▼ button to select “Signal Strength”, then press 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 incoming broadcast signal exists.



Plasma Display

Setting Up your Remote Control

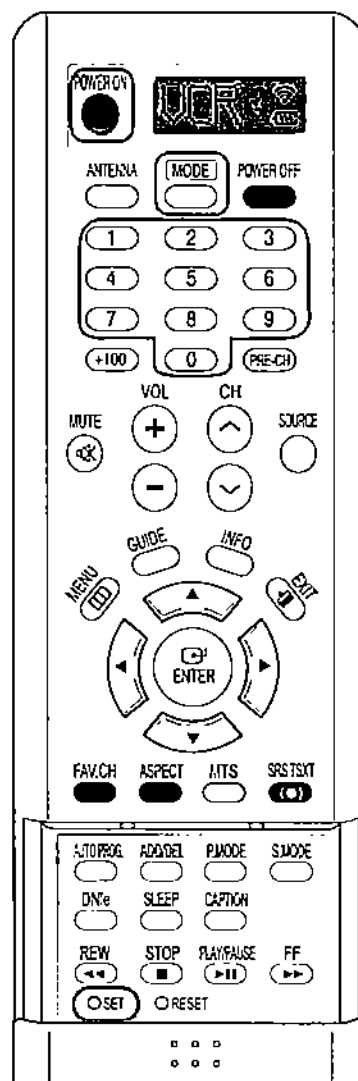
This PDP's remote control can operate almost any VCR, Cable box or DVD. After it has been set up properly, your remote control can operate in four different modes : TV, VCR, CATV, or DVD. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever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

Admiral	015,088	MTC	016,024
Aiwa	024	Multitech	016,024,040,041
Audio Dynamics	022,025	NEC	011,023,025,039,055,070,073
Bell & Howell	011	Optimus	015
Broksonic	019	Panasonic	017,062,084,086
Candle	016,018,022,054,055,061	Penlax	014,044
Canon	017,062	Penlex Research	055
Citizen	016,018,022,054,055,061	Philco	017,038,062,065
Colortyme	023	Philips	017,038
Craig	016,021	Pioneer	014,025,042,059
Curtis-Mathes	009,016,017,023,024,055,062,073,076	Portland	053,054,061
Daewoo	003,004,005,006,007,008,022,054,085	ProScan	009
DBX		Quartz	011
Dimensia	009	Quasar	017,053
Dynatech	024	Radio Shack/Realistics	011,015,017,018,021,024,028,036,052,062
Electrohome	036	RCA	009,014,016,017,037,044,046,063,076
Emerson	017,018,019,022,024,029,032,036,043,050,051,056,058,066,071,074,076,077,079	Samsung	000,016,022,031,041,051
Fisher	011,021,027,028,052,057,067	Sansui	025
Funai	024	Sanyo	011,021
GE		Scotl	022,050,058,077
Go Video	016	Sears	011,014,018,021,027,028,044,052,057
Hamman Kardou	023	Sharp	015,036,048,054
Hidach	014,024,044,045	Shintom	026,035,040,064
Instant Replay	017	Signature	024
JC Penny	011,014,016,017,023,025,039,044,060,062	Sony	026,035,047
JCL	011,017,023,025,039,055	Sylvania	017,024,038,062,065
JVC		Symphonic	024
Kenwood	011,023,025,039,055	Tandy	011,024
KLH	082	Tashiko	
LG	001,002,007	Talung	039
Lloyd	024	Teac	024,039,078
Logik	040	Technics	017
LXI	024	Temika	
Magnavox	017,038,062,065	TAIK	076
Marantz	011,017,023,025,038,039,055,070	Toshiba	014,022,028,057,058
Marta		Totevision	016,018
MEI		Unitech	
Memorex		Vector Research	
MGA		Victor	
Midland		Video Concepts	
Minota		Videosonic	
Mitsubishi		Wards	
Montgomery Ward		Yamaha	
		Zenith	

Cable Box Codes

Anvision	015,016	Pioneer	026,028,052
Cable star	015,016	Randtek	015,016
Eagle	015,016	RCA	008,035,074
Eastm Int.		Regal	011,020,021
General Instrument	054	Regency	010,041
GI	012,013,023,031,032,033,036,044,075,076,077	SA	
Hamlin	011,012,020,021,042,056	Samsung	000,011,030,052,071,072
Hilachi	045,051,054	Signature	054
Jenrold	012,013,023,031,032,033,036,044,054,070,073	Sprucer	035
Macom	045,051	Starcom	054
Magnavox	015,016,027,029,034,036,037,040,041,046,049	Stargate 2000	066
NSC	017	Sylvania	019,067
Oak	024,046	Texscan	019,067
Osk Sigma	024	Tocom	025,029,057,058,063
Panasonic	011,035,047,069	Unika	039,040,049
Philips	015,016,027,029,034,036,037,040,041,048,049	Universal	059,060
		Viewstar	015,016,027,029,034,036,037,040,041,049,0
		Warner Amex	49
		Zenith	052
			022,050,065,069

DVD Codes

Philips	007	Panasonic	006
Proscan	008	Sony	004
RCA	008	Samsung	000
Toshiba	002		

PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

Picture Control



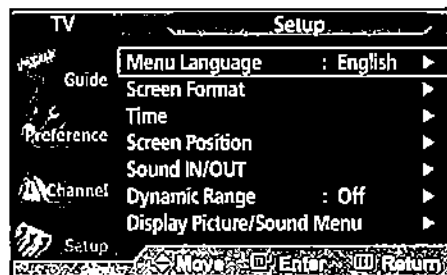
Customizing the Picture	48
Using Automatic Picture Settings	49
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Changing the Screen Format	52



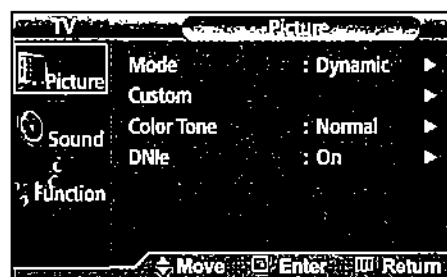
Customizing the Picture

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

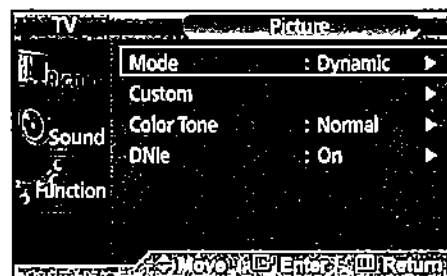
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



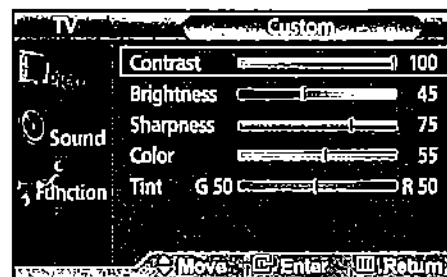
- 2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



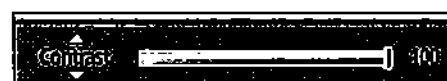
- 3 Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



- 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.



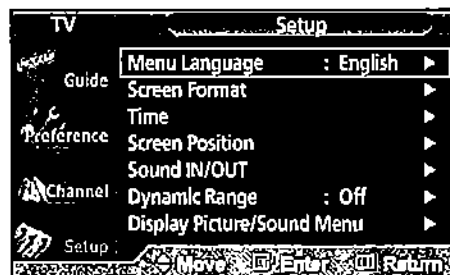
Plasma Display

Using Automatic Picture Settings

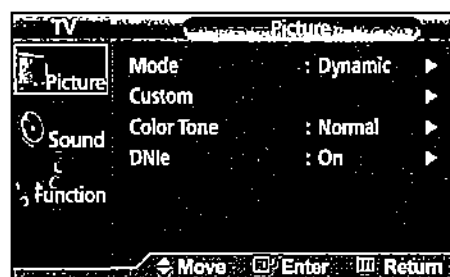
Your PDP has automatic picture settings that allow you to adjust the video display easily.

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

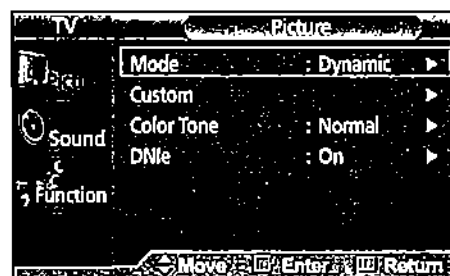
Quick way to access the picture setting:
Just press the "P.MODE" button on the remote control.



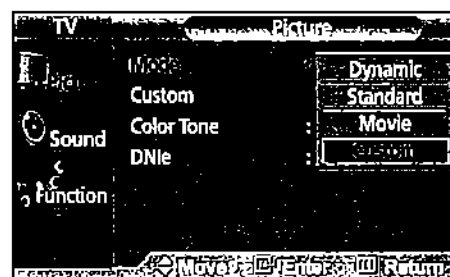
- 2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



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



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



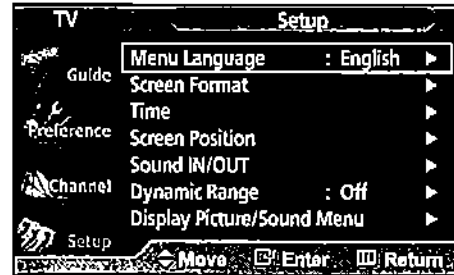
- 5 Press the ▲ or ▼ button to select "Dynamic", "Standard", "Movie", or "Custom" picture setting.

- 6 Press the MENU button to exit.

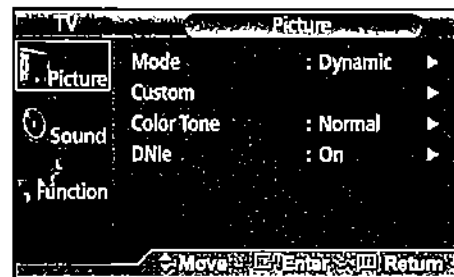


Selecting the Color Tone

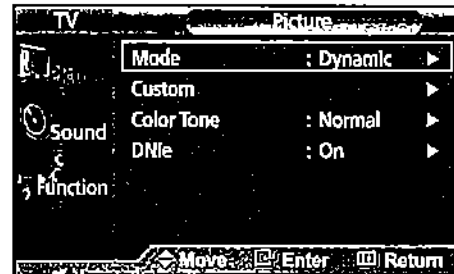
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



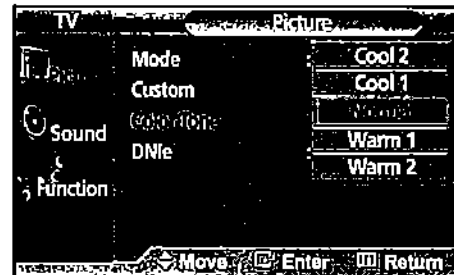
- 2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



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

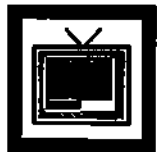


- 4 Press the ▲ or ▼ button to select "Color Tone", then press the ENTER button.



- 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.



Plasma Display

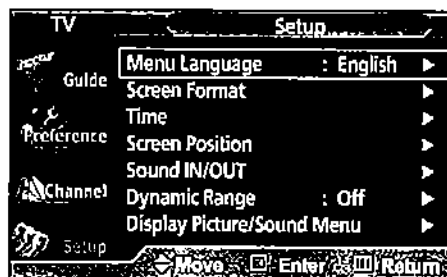
DNle (Digital Natural Image engine)

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

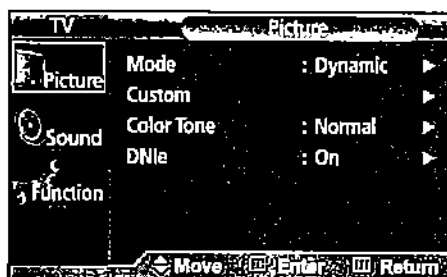
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

Quick way to select DNle:

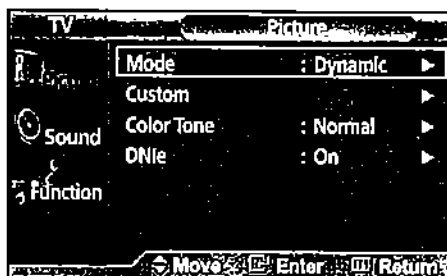
Simply press the "DNle" button under the cover of the remote control.



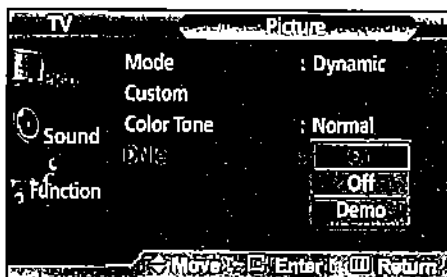
- 2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



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



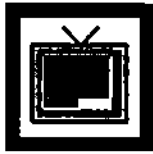
- 4 Press the ▲ or ▼ button to select "DNle", then press the ENTER button.



- 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.



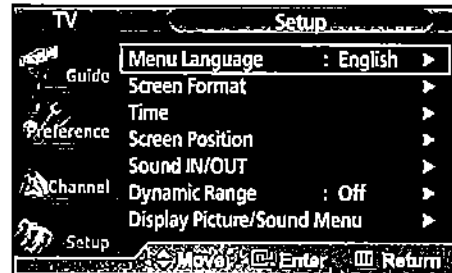
Changing the Screen Format

Screen Format selection depends on the type of video input (DVD, Antenna, etc.).

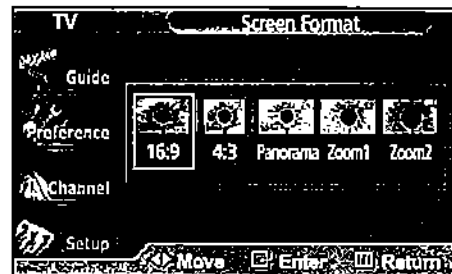
Note

- Quick way to access the Screen Format menu : Just 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 "Screen Format", then press the ENTER button.



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

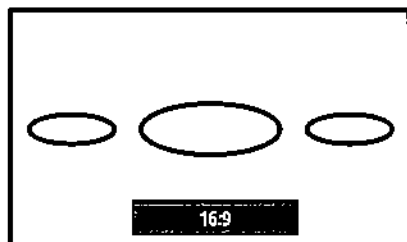
Notes

- 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.

Plasma Display

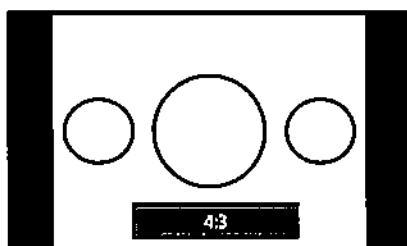
16:9 (Wide)

Sets the picture to 16:9 wide mode.



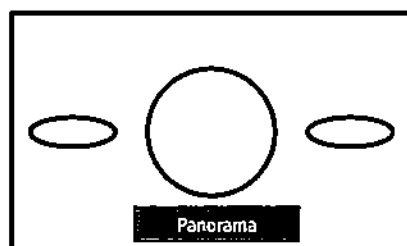
4:3 (Normal)

Sets the picture to 4:3 normal mode.



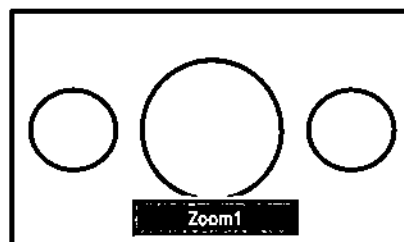
Panorama

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



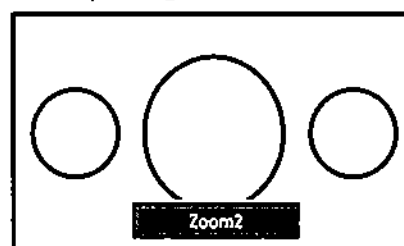
Zoom1

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.

PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

Sound Control



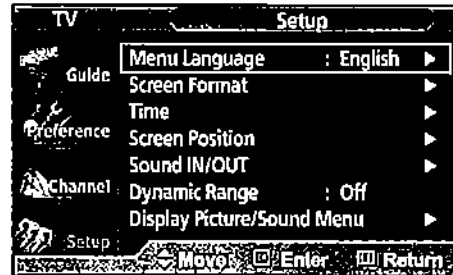
Using a Automatic Sound Settings	56
Choosing a Digital Sound Format (Dolby Digital or PCM)	57
Choosing a Multi-Track Language	58
Choosing a Multi-Track Sound (MTS) Soundtrack	59
Adjusting the Sound Settings	60
Setting the TruSurround XT	61
Using the Dynamic Range Compression (DRC)	62



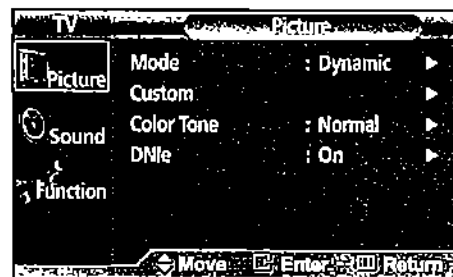
Using Automatic Sound Settings

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

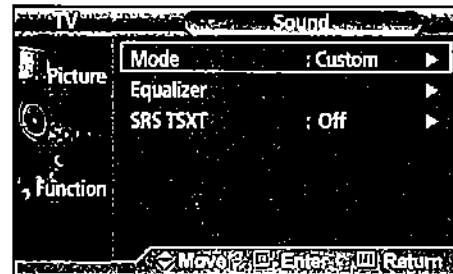
Quick way to access the Sound Mode menu :
Just press the "S.MODE" button on the remote control.



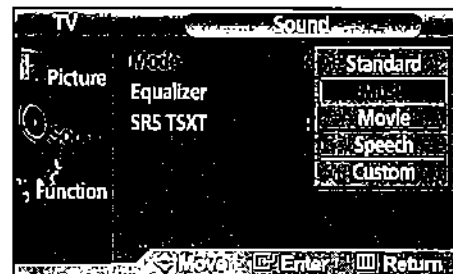
- 2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



- 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.

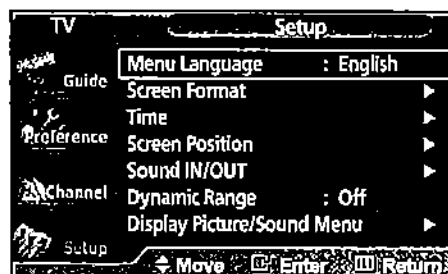


Plasma Display

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 "Dolby Digital Out(COAXIAL), Dolby Digital Out(OPTICAL), and Dolby Digital In(OPTICAL)". After connecting a digital-audio component, you must specify the transmission format.

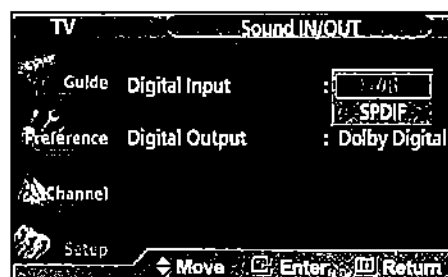
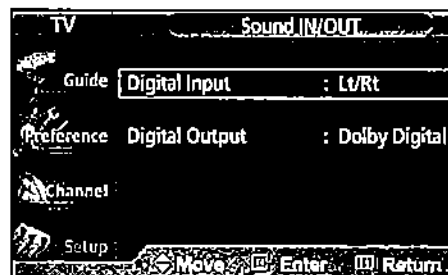
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



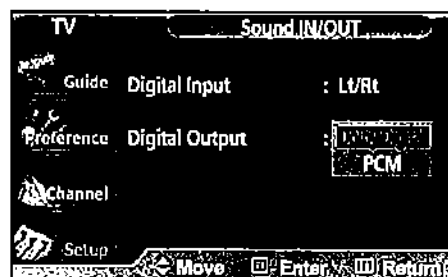
- 2 Press the ▲ or ▼ button to select "Sound IN/OUT", then press the ENTER button.

- 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 : The standard format for exchanging digital audio signals between consumer audio and audio/video components. Connections can be coaxial or optical.
- Dolby Digital : The Dolby Labs format for digital surround sound providing up to 5.1 channels; used in DVDs, the digital TV system, and some laserdiscs; formerly called AC-3.
- 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.



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



- 5 Press the MENU button to exit.

Notes

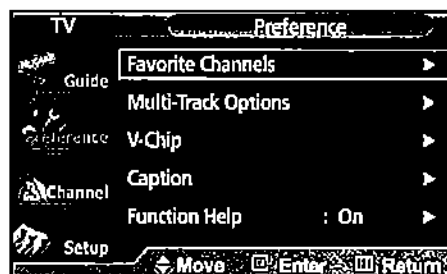
- The Digital Input is only available when using the Component Video inputs also.
- When you choose Digital Input, we recommend Lt/Rt because SPDIF is susceptible to noise.



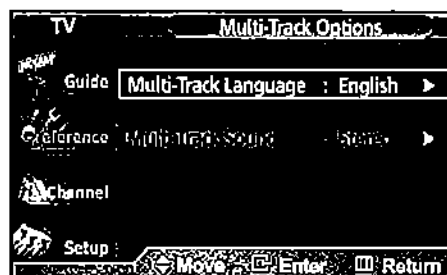
Choosing a Multi-Track Language

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:

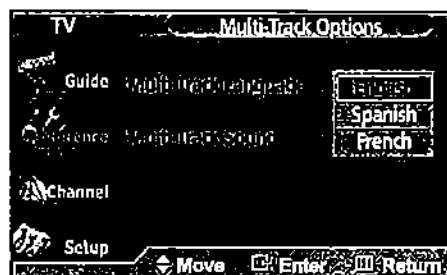
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Preference", then press the ENTER button.



- 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 ENTER. (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.



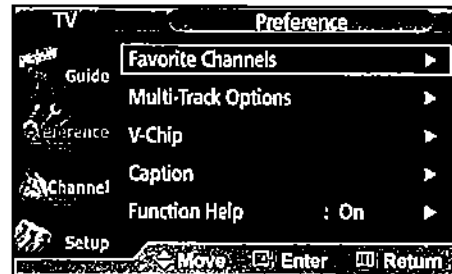
Plasma Display

Choosing a Multi-Track Sound (MTS) Soundtrack

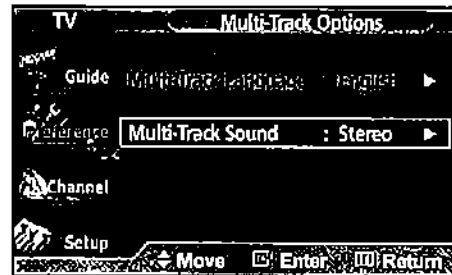
Depending on the particular program being broadcast, you can listen to stereo, mono, or a Separate Audio Program. (SAP audio is usually a foreign-language translation. Sometimes SAP has unrelated information like news or weather.)

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

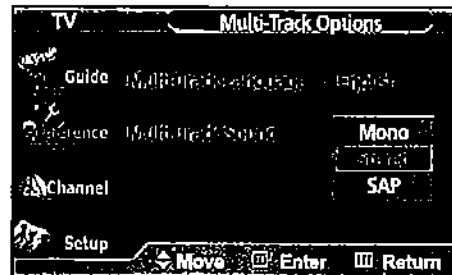
Quick way to access the MTS menu:
Just press the "MTS" button on the remote control.



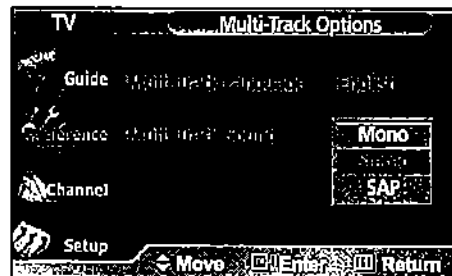
- 2 Press the ▲ or ▼ button to select "Multi-Track Options", then press the ENTER button.



- 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

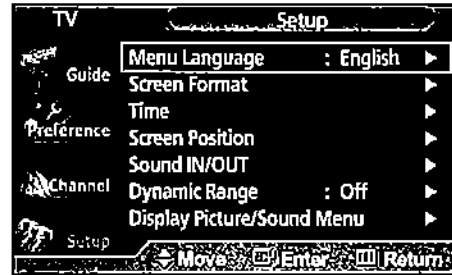
- The MTS function operates in TV mode only.
- Multitrack Sound is only available with analog signals.



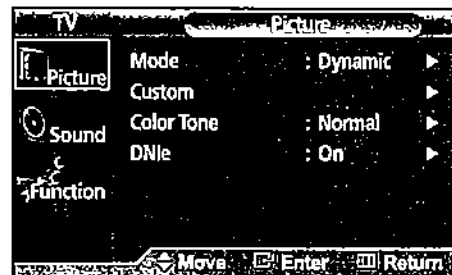
Adjusting the Sound Settings

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

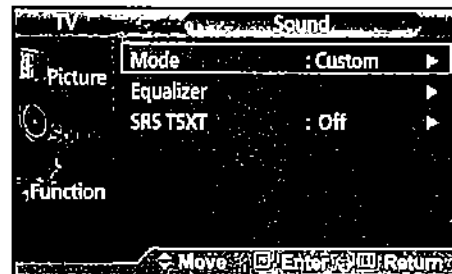
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



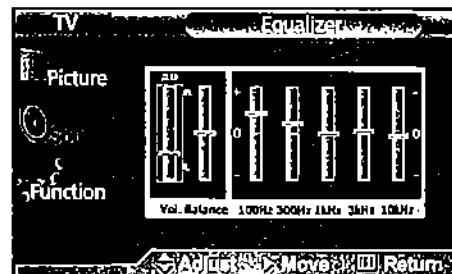
- 2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



- 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 the Custom.



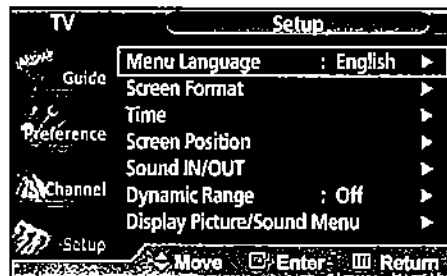
PLasma Display

Setting the TruSurround XT

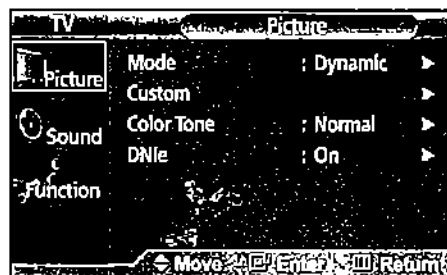
TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. Trusurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with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

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

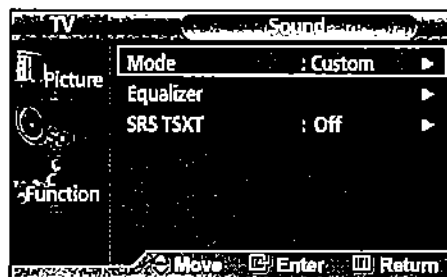
Quick way to access the TruSurround XT menu:
Just press the "SRS TSXT" button on the remote control.



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

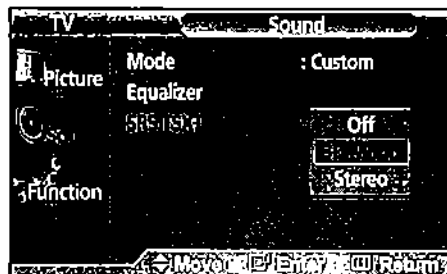


- 3 Press the ▲ or ▼ button to select "Sound", then press the ENTER button.



- 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.

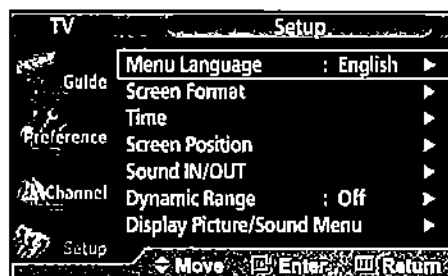




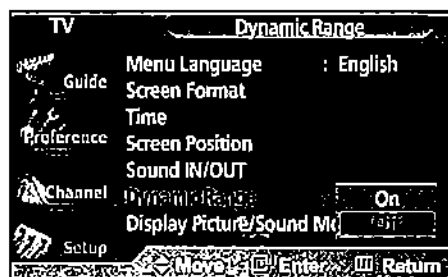
Using the Dynamic Range Compression (DRC)

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

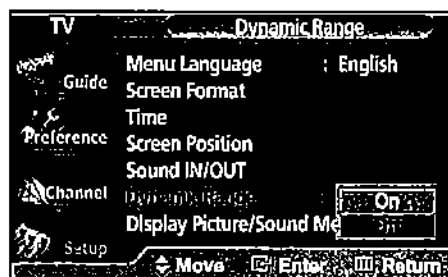
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



- 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.

PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

Function Description



Selecting the Fan.....	64
Viewing Closed Captions	65
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Using the V-Chip	68
Electronic Program Guide.....	74
Using the EPG (Electronic Program Guide)	75



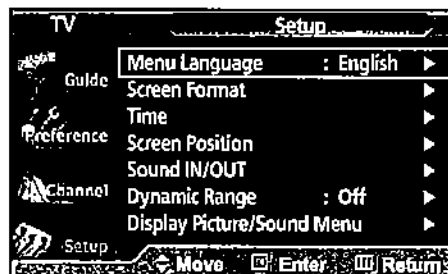
Selecting the Fan

Operates or stops the TV's internal Fan.

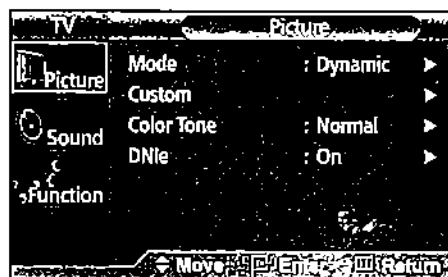
Fans inside the TV are used to reduce the temperature of the top and the front of the TV.

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 period of time.

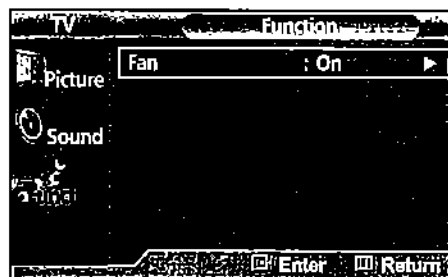
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.



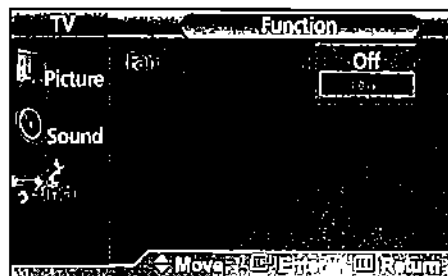
- 2 Press the ▲ or ▼ button to select "Display Picture/Sound Menu", then press the ENTER button.



- 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.

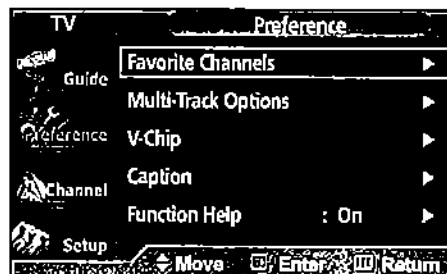


Plasma Display

Viewing Closed Captions

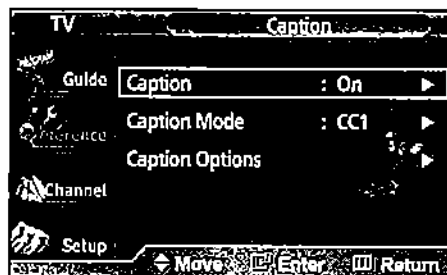
Your TV decodes and displays the closed captions that are broadcast with certain TV shows. These captions are usually subtitles for the hearing impaired or foreign language translations. All VCRs record the closed caption signal from television programs, so home-recorded video tapes also provide closed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

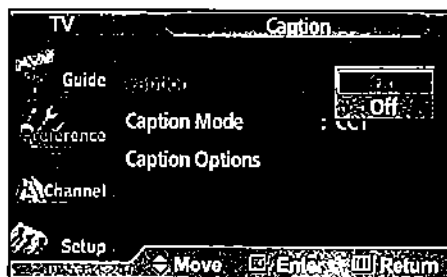


- 2 Press the ▲ or ▼ button to select "Caption", then press the ENTER button.

- 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 Forth Text Services. These data channels should be used only if T1 and T2 data bandwidths not sufficient.

- 5 Press the MENU button to exit.

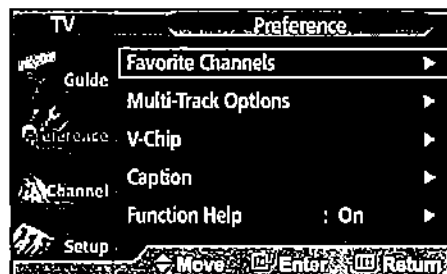


Setting Up Digital Captions

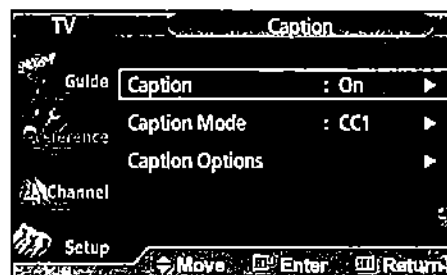
The Digital Captions function operates on digital channels.

How to Activate or Deactivate the On-screen Captions

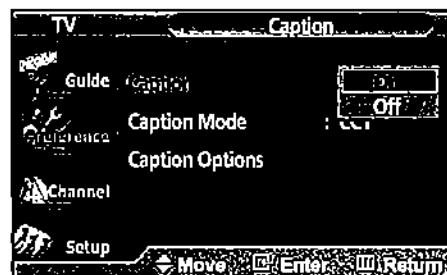
- 1 Press the MENU button. Press the ▲ or ▼ button to select "Preference", then press the ENTER button.



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

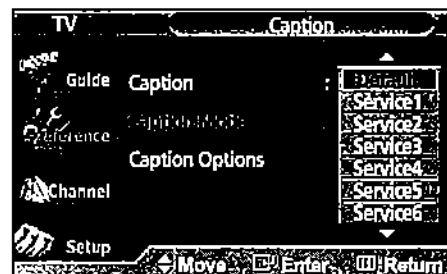


- 3 Press the ENTER button to select "Caption". Press the ▲ or ▼ button to select "On", then press the ENTER button.



- 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.



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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.

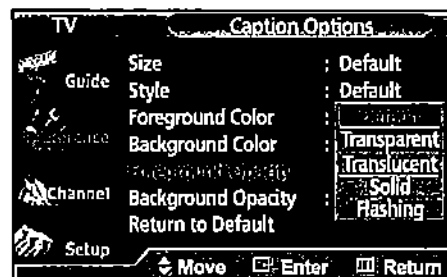
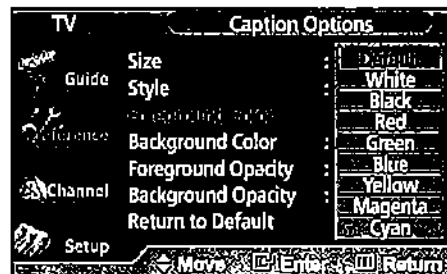
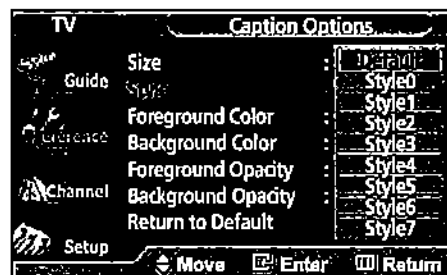
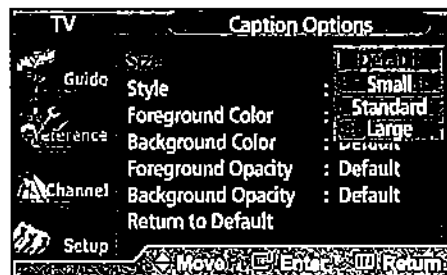
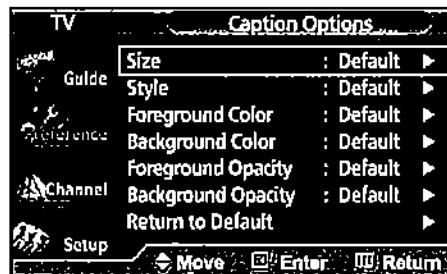
Foreground Opacity: Variation of the transparency of characters is available in four default setups (Transparent, Translucent, Solid, and Flashing). Once you have selected one of the four colors, the selected Foreground Opacity will be displayed instead of the default value sent by the caption provider. 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 each of Service, Size, Style, Foreground, and Background to its default.

Note

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



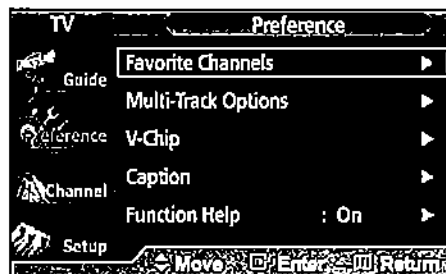


Using the V-Chip

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.

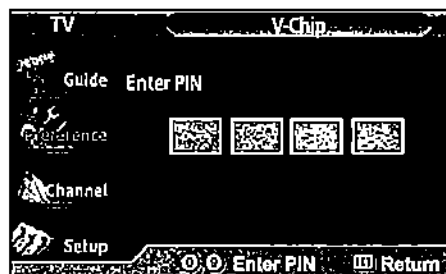


- 2 Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button.

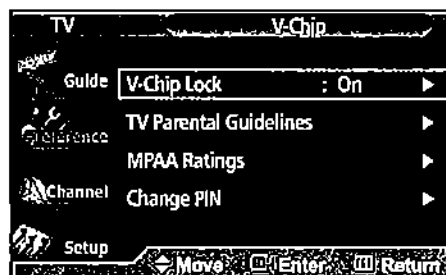
The message "Enter PIN" will appear.
Enter your 4-digit PIN number.

Note

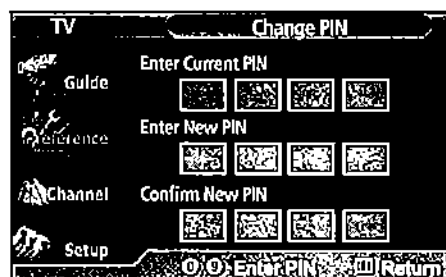
- The default PIN number of a new TV set is "0-0-0-0".



- 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.



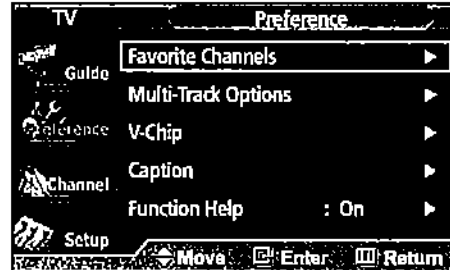
- 5 Press the MENU button to exit.

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.

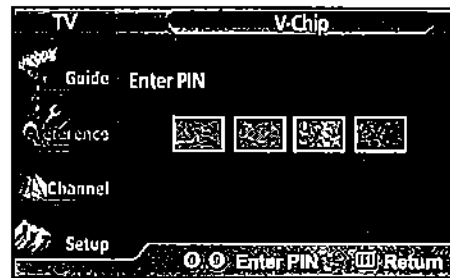
How to Enable/Disable the V-Chip

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

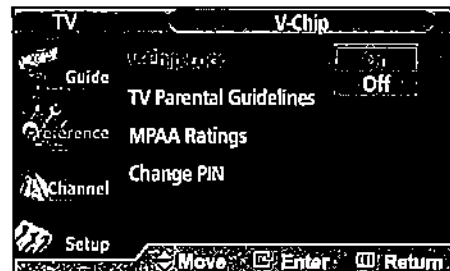


- 2 Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button.

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.

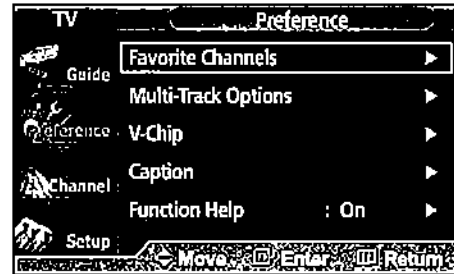


- 4 Press the MENU button to exit.

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

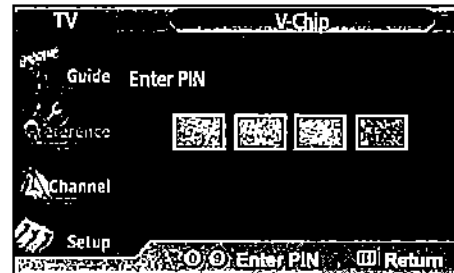
First, set up a personal identification number (PIN), and enable the V-Chip. (See previous section.) Parental restrictions can be set up using either of two methods: The TV guidelines or the MPAA rating.

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

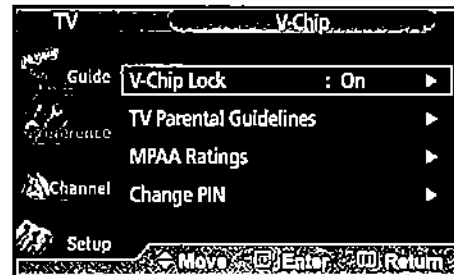


- 2 Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button.

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

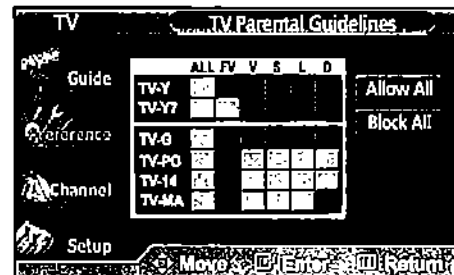


- 3 The "V-Chip" screen will appear. Press the ▲ or ▼ button to select V-Chip Lock, then press ENTER. Press ▲ or ▼ to select On, then press ENTER. Press the ▲ or ▼ button to select "TV Parental Guidelines", then press the ENTER button.



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

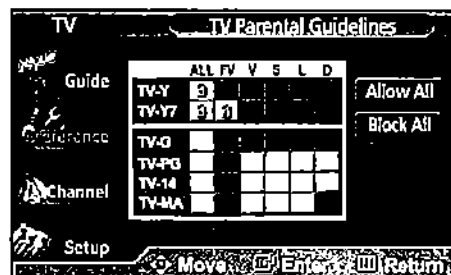
TV-Y Young children
 TV-Y7 Children 7 and over
 TV-G General audience
 TV-PG Parental guidance
 TV-14 Viewers 14 and over
 TV-MA Mature audience



Plasma Display

- 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.)

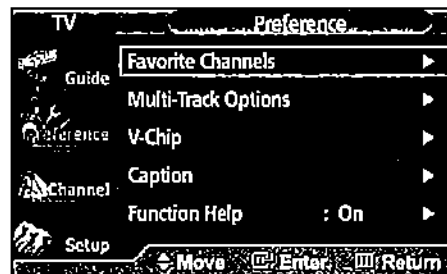
Note

- 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

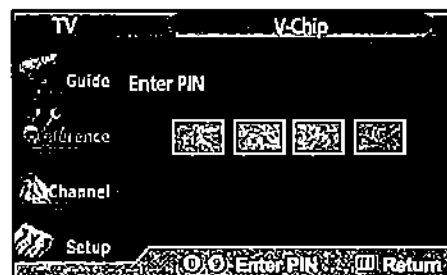
The MPAA rating system uses the Motion Picture Association of America (MPAA) system, and its main application is for movies. When the V-Chip lock is on, the TV will automatically block any programs that are coded with objectionable ratings (either MPAA or TV-Ratings).

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

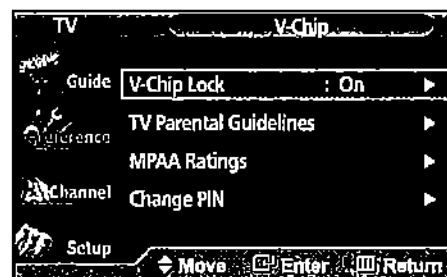


- 2 Press the ▲ or ▼ button to select "V-Chip", then press the ENTER button.

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

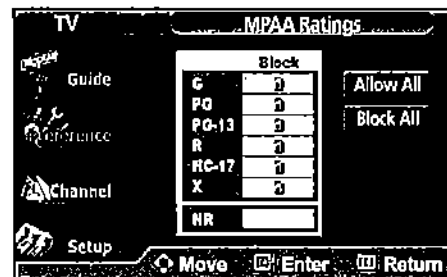


- 3 The "V-Chip" screen will appear. Press the ▲ or ▼ button to select V-Chip Lock, then press ENTER. Press ▲ or ▼ to select On, then press ENTER. Press the ▲ or ▼ button to select "MPAA Ratings", then press the ENTER button.



- 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.

A selected symbol "0" 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 "Setup", then press the ENTER button.

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

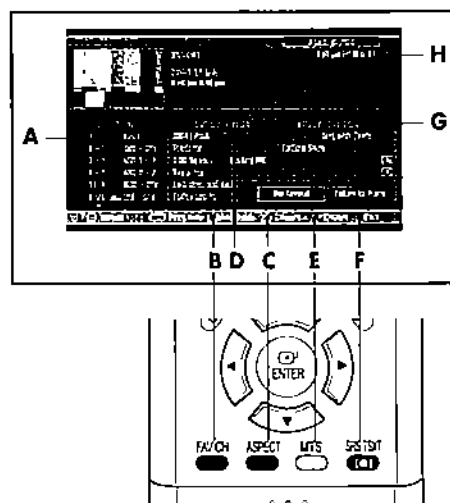
-
- 3 Enter your PIN number, and press the ▲ or ▼ button to temporarily disable the V-Chip Lock.



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.



Plasma Display

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" and "Full" and press 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 (FF) or the EXIT button.

Note

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

PLASMA DISPLAY PANEL
with WIRELESS HOME AV CENTER

Appendix



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Troubleshooting

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

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.

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.
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.	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).



PLasma Display

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.

Identifying Problems

- 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 applies to Class B digital device.

(Note: Class B system is for home use.)

This PDP has been registered for residential use in terms of EMI. So it can be used in all areas as well as residential areas.

Model		HP-P5091 (PDP)
Dimensions	Display	1185 (W) X 69 (D) X 701 (H) mm ; 46.65 x 2.72 x 27.60 inches
	Remote Control	54 (W) X 31.5 (D) X 220 (H) mm ; 2.13 x 1.24 x 8.66 inches
Weight	Display	44 kg ; 99 lbs
	Remote Control	150g (including batteries) ; 0.33 lbs
Voltage		120V~, 60Hz
Power Consumption		360 Watts
Number of Pixels		1366(H) x 768(V) ; 14.17 x 11.81 x 2.76 inch
Screen Size		127 Cm/50 inches
VIDEO / AUDIO input/output		WIRELESS DVI, WIRELESS Din, Speaker out

Model		HP-P5091 (WIRELESS HOME AV CENTER)
General Specifications	Broadcasting standard	DTV (ATSC) / NTSC
	Power requirement	AC 120 V, 50-60Hz
	Power consumption	40 watts / In standby: 2 watts
	Dimensions (W x D x H)	360 x 300 x 70 (mm)
	Weight	1.72 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	75-ohm V/UHF In/Out Component - 480i, 480P TV OUT Video IN S-Video IN Dolby Digital Out (Optical) Dolby Digital Out (Coxial) 1 Analog Audio Out (R/Lt)



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

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Samsung Customer Care**

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Mississauga, Ontario
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SAMSUNG



Warning! Important Safety Instructions

(Please read the appropriate section that corresponds to the marking on your Samsung product before attempting to install the product.)

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL.



This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

- The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of this apparatus, and to protect it from overheating, these slots and openings must never be blocked or covered.
- Do not cover the slots and openings with a cloth or other materials.
- Do not block the slots and openings by placing this apparatus on a bed, sofa, rug or other similar surface.
- Do not place this apparatus in a confined space, such as a bookcase, or built-in cabinet, unless proper ventilations is provided.
- Do not place this apparatus near or over a radiator or heat register, or where it is exposed to direct sunlight.
- Do not place the sources of heat on this apparatus, such as a candle, ash tray, incense or other similar material.
- Do not place a water containing vessel on this apparatus, as this can result in a risk of fire or electric shock.
- Do not expose this apparatus to rain or place it near water (near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool etc.). If this apparatus accidentally gets wet, unplug it and contact an authorized dealer immediately.
- You can clean this apparatus with damp cloth when necessary, but be sure to unplug the apparatus first.
- Do not expose this apparatus set to extreme temperature conditions or to extreme humidity conditions.
- This apparatus use batteries. In your community there might be regulations that require you to dispose these batteries properly under environmental considerations. Please contact your local authorities for disposal or recycling information.
- To cut off the power source, unplug this apparatus from the wall outlet.
- Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- To protect this apparatus from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the set due to lightning and power line surges.
- Before connecting the AC power cord to the DC adapter outlet, make sure the voltage designation of the DC adapter corresponds to the local electrical supply.
- Never insert anything metallic into this apparatus openings. Doing so may create the danger of electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus's case.
- Be sure to hold the plug, not the cord, when disconnecting this apparatus from an electric socket.
- Locate this apparatus near an easily accessible AC outlet.
- If this apparatus does not operate normally - in particular, if there are any unusual sounds or smells coming from it - unplug it immediately and contact an authorized dealer or service center.
- Unplug this apparatus from the AC outlet before any service.
- Be sure to pull the power plug out of the outlet if the TV is to remain unused or you are to leave the house for an extended period of time (especially when children, elderly or disabled people will be left alone in the house).
- Accumulated dust can cause an electric shock, an electric leakage or a fire by causing the power cord to generate sparks and heat or deteriorating the insulation.



Avertissement!

Consignes de sécurité importantes

(Avant toute installation de votre produit Samsung,
veuillez lire les sections correspondant aux inscriptions qui figurent sur ce dernier.)

ATTENTION

RISQUE D'ELECTROCUTION NE PAS OUVRIR

ATTENTION : POUR RÉDUIRE LES RISQUES D'ELECTROCUTION, NE RETIREZ PAS LE CAPOT (NI LE PANNEL ARRIERE) A L'INTERIEUR DE L'APPAREIL. AUCUNE PIECE NE PEUT ETRE REPARÉE PAR L'UTILISATEUR. POUR TOUT DÉPANNAGE, ADRESSEZ-VOUS A UN SPECIALISTE.



Ce symbole indique qu'une tension élevée est présente à l'intérieur de l'appareil. Tout contact avec une pièce située à l'intérieur de cet appareil est dangereux.



Ce symbole vous prévient qu'une documentation importante relative au fonctionnement et à l'entretien est fournie avec le produit.

- Les fentes et les ouvertures ménagées dans le boîtier ainsi qu'à l'arrière et au-dessous de l'appareil assurent la ventilation de ce dernier.
Afin de garantir le bon fonctionnement de l'appareil et éviter les risques de surchauffe, ces fentes et ouvertures ne doivent être ni obstruées ni couvertes.
 - Ne couvrez pas les fentes et les ouvertures avec un morceau de tissu ou tout autre objet.
 - Ne les obstruez pas non plus en plaçant l'appareil sur un lit, un canapé, un tapis ou toute autre surface apparentée.
 - Ne placez pas l'appareil dans un environnement clos tel qu'une bibliothèque ou une armoire encastrée, sauf si une ventilation adéquate est prévue.
- Ne placez pas l'appareil à proximité ou au-dessus d'un radiateur ou d'une bouche d'air chaud, de même que dans un endroit exposé à la lumière directe du soleil.
- Ne placez pas de sources de chaleur sur l'appareil, telles qu'une bougie, un cendrier, de l'encens.
- Ne placez aucun récipient d'eau sur l'appareil car cela représente un risque d'incendie ou de décharge électrique.
- N'exposez pas l'appareil à la pluie et ne le placez pas à proximité d'une source d'eau, par exemple une baignoire, un lavabo, un évier, un bac de lavage, un sous-sol humide, une piscine, etc. Si l'appareil vient à être mouillé par accident, débranchez-le et contactez immédiatement un revendeur agréé.
- Si nécessaire, après vous être assuré de l'avoir débranché, vous pouvez nettoyer l'appareil à l'aide d'un chiffon humide.
- N'exposez pas l'appareil à des conditions de température ou d'humidité extrêmes.
- Cet appareil peut fonctionner sur piles. Dans un souci de préservation de l'environnement, la réglementation locale prévoit peut-être des mesures spécifiques de récupération des piles usagées. Veuillez donc contacter les autorités compétentes afin d'obtenir des informations sur la mise au rebut ou le recyclage des piles.
- Pour couper l'alimentation, débranchez l'appareil de la prise murale.
- Évitez de surcharger les prises murales, les rallonges et les prises multiples car cela entraîne un risque d'incendie ou de décharge électrique.
- Les cordons d'alimentation doivent être déroulés de sorte qu'aucun objet placé sur ou contre eux ne les chevauche ou les pince. Accordez une attention particulière aux cordons au niveau des fiches, des prises et de la sortie de l'appareil.
- En cas d'orage, ou bien lorsque vous vous absentez ou n'utilisez pas votre appareil pendant une longue période, débranchez celui-ci de la prise murale et débranchez également le câble d'antenne ou le cordon de connexion au réseau câblé. Ces précautions éviteront que l'appareil ne soit endommagé par la foudre ou par des surtensions.
- Avant de raccorder le cordon d'alimentation CA à la prise de l'adaptateur CC, vérifiez que la tension indiquée sur ce dernier correspond bien à la tension délivrée par le réseau électrique local.
- N'insérez aucun objet métallique dans les ouvertures de l'appareil. Vous risqueriez de recevoir une décharge électrique.
- Afin d'éviter tout risque d'électrocution, ne mettez jamais les doigts à l'intérieur de l'appareil. Seul un technicien qualifié est habilité à ouvrir le boîtier de l'appareil.
- Assurez-vous de tirer sur la fiche et non sur le cordon lorsque vous débranchez l'appareil d'une prise électrique.
- Placez l'appareil à proximité d'une prise CA facile d'accès.
- Si l'appareil ne fonctionne pas normalement, en particulier s'il émet des odeurs ou des sons anormaux, débranchez-le immédiatement et contactez un revendeur ou un centre de dépannage agréé.
- Débranchez l'appareil de la prise CA avant toute réparation.
- Veillez à bien débrancher le cordon d'alimentation si la télévision doit rester inutilisée, ou lorsque vous quittez votre domicile, pendant une période assez longue (et plus spécialement si des enfants, des personnes âgées ou des majeurs incapables doivent rester seuls à votre domicile).
- L'accumulation de poussières peut provoquer une électrocution, une perte d'énergie, ou un incendie induit par le cordon d'alimentation, dû à des variations de tension, une surchauffe ou une détérioration de l'isolation.



Advertencia!

Instrucciones importantes de seguridad

(Lea la sección apropiada que corresponde a la marca del producto Samsung antes de intentar instalar el producto.)

PRECAUCIÓN

PELIGRO DE DESCARGA ELÉCTRICA NO ABRIR

PRECAUCIÓN: PARA REDUCIR EL PELIGRO DE DESCARGA ELÉCTRICA, NO RETIRE LA CUBIERTA. NO HAY PIEZAS EN EL INTERIOR QUE PUEDA REPARAR EL USUARIO. CONSULTE AL PERSONAL CUALIFICADO DE SERVICIO TÉCNICO.



Este símbolo indica la presencia de alto voltaje en el interior. Es peligroso entrar en contacto con cualquier pieza interior de este producto.



Este símbolo le alerta de que con este producto se incluye documentación importante correspondiente al funcionamiento y mantenimiento.

- Las ranuras y aberturas existentes en la unidad y en la parte trasera o inferior se facilitan para proporcionar la ventilación necesaria.
Para garantizar el funcionamiento fiable de este aparato, y para protegerlo frente a sobrecalentamiento, estas ranuras y aberturas nunca deben bloquearse ni cubrirse.
 - No cubra las ranuras y aberturas con un paño o con cualquier otro material.
 - No bloquee las ranuras ni aberturas colocando este aparato sobre la cama, sofá, alfombra o superficie similar.
 - No coloque este aparato en un espacio cerrado, como una librería, o un armario empotrado, a menos que se proporcione una ventilación correcta.
- No coloque este aparato cerca o sobre un radiador o una rejilla de aire caliente, o en lugares expuestos a luz solar directa.
- No coloque fuentes de calor en este aparato, como una vela, un cenicero, incienso o material similar.
- No coloque recipientes con agua sobre este aparato, ya que podría representar riesgo de incendio o descarga eléctrica.
- No exponga este aparato a la lluvia ni lo coloque cerca de agua (cerca de una bañera, lavabo, fregadero o lavadero, en un sótano húmedo ni cerca de una piscina o similar).
Si este aparato accidentalmente se moja, desenchúfelo y póngase en contacto inmediatamente con un autorizado.
Puede limpiar este aparato con un paño húmedo cuando sea necesario, pero asegúrese de desenchufar primero el aparato.
- exponga este aparato a condiciones de temperatura o humedad extremas.
- Este aparato utiliza baterías. En su comunidad puede que existan normativas que requieran la disposición de estas baterías de forma adecuada bajo consideraciones ambientales.
Póngase en contacto con las autoridades locales para obtener información sobre desecho y reciclaje.
- Para cortar la fuente de alimentación, desenchufe este aparato de la toma mural.
- No sobrecargue las tomas murales, los alargadores ni los receptáculos correspondientes por encima de su capacidad, ya que esto puede generar incendios o descargas eléctricas.
- Los cables de alimentación y protección deben colocarse de forma que no puedan pisarse ni quedar atrapados por objetos encima o contra ellos, poniendo especial atención en los cables cerca del enchufe, los receptáculos de los electrodomésticos y el punto en el que salen del aparato.
- Para proteger este aparato durante una tormenta eléctrica o cuando no lo utilice durante largos periodos de tiempo, desenchúfelo de la toma de la pared y desconecte la antena o el cable del sistema. Esto evitará que el equipo se dañe por rayos o picos de tensión de la línea eléctrica.
- Antes de conectar el cable de alimentación de CA a la toma del adaptador de CC, asegúrese de que la designación del voltaje del adaptador de CC corresponde a la fuente eléctrica local.
- Nunca inserte nada metálico en las aberturas del aparato. Hacerlo así puede crear peligros de descarga eléctrica.
- Para evitar descarga eléctrica, no toque nunca el interior de este aparato. Sólo un técnico cualificado debe abrir el alojamiento del aparato.
- Asegúrese de sujetar el enchufe, no el cable, al desconectar este aparato de la toma eléctrica.
- Sitúe este aparato cerca de una toma de CA de fácil acceso.
- Si este aparato no funciona normalmente, en concreto, si emite sonidos extraños o desprende olores desde el interior, desenchúfelo inmediatamente y póngase en contacto con el distribuidor autorizado o el centro de servicio técnico.
- Desenchufe este aparato de la toma de CA antes de realizar cualquier operación de servicio.
- Asegúrese de desconectar el enchufe de alimentación de la toma de corriente si la TV ha dejado de utilizarse, o desea salir de casa, durante un largo período de tiempo (especialmente cuando sea necesario dejar solos en casa a niños, ancianos o personas incapacitadas).
 - El polvo acumulado puede provocar una descarga eléctrica, un cortocircuito o un fuego, haciendo que el cable eléctrico genere chispas y calor, o deteriorando la funda protectora.



Achtung! Wichtige Sicherheitshinweise

(Bitte lesen Sie den Ihrem Samsung Gerät
entsprechenden Abschnitt, bevor Sie dieses installieren.)

ACHTUNG

STROMSCHLAGGEFAHR NICHT ÖFFNEN

ACHTUNG: ABDECKUNG ODER RÜCKWAND NICHT ÖFFNEN!
STROMSCHLAGGEFAHR! IM GERÄTEINNEREN BEFINDEN SICH KEINE
VOM BENUTZER ZU WARTENDEN TEILE. LASSEN SIE REPARATUREN NUR
VON QUALIFIZIERTEM KUNDENDIENSTPERSONAL DURCHFÜHREN.



Dieses Symbol weist auf eine hohe Spannung im
Inneren des Geräts hin. Das Berühren von Teilen im
Geräteinneren ist gefährlich.



Dieses Symbol weist darauf hin, dass diesem Gerät
wichtige Anweisungen zu Betrieb und Wartung
beigefügt sind.

- Die Schlitz- und Öffnungen im Gehäuse und in der Rückwand oder im Boden sind für die Belüftung erforderlich.
Um den zuverlässigen Betrieb des Geräts zu gewährleisten und es vor Überhitzung zu schützen, dürfen diese Öffnungen keinesfalls blockiert oder bedeckt werden.
 - Bedecken Sie die Schlitz- und Öffnungen nicht mit einem Tuch oder anderen Materialien.
 - Schlitz- und Öffnungen dürfen keinesfalls blockiert werden, indem das Gerät auf ein Bett, Sofa, einen Teppich oder eine ähnliche Oberfläche gestellt wird.
 - Stellen Sie das Gerät nicht in abgeschlossene Räume wie z. B. in ein Bücherregal oder einen Einbauschränk. Dieser Einbau ist nur dann zulässig, wenn für ausreichende Belüftung gesorgt wird.
- Außerdem darf das Gerät keinesfalls in der Nähe oder über einem Radiator oder Heizkörper aufgestellt werden, oder an Orten, an denen es direkter Sonneneinstrahlung ausgesetzt ist.
- Stellen Sie keine Wärmequelle auf das Gerät wie z. B. Kerzen, Aschenbecher, Räucherstäbchen oder vergleichbare Materialien.
- Stellen Sie keine mit Flüssigkeit gefüllte Behälter auf das Gerät, da dies zu einem Brand oder Stromschlag führen kann.
- Setzen Sie das Gerät keinesfalls Regen aus und stellen Sie es nicht in der Nähe von Wasser auf (Badewanne, Küchenspüle, feuchter Keller, Schwimmbecken usw.). Falls das Gerät dennoch Nässe ausgesetzt wurde, trennen Sie es von der Stromversorgung und wenden Sie sich umgehend an Ihren örtlichen Vertreter.
- Sie können das Gerät, falls erforderlich, mit einem feuchten Tuch reinigen. Trennen Sie es davor unbedingt von der Stromversorgung.
- Setzen Sie das Gerät nicht extremen Temperaturbedingungen oder extremen Feuchtigkeitsbedingungen aus.
- Für dieses Gerät benötigen Sie Batterien.
Entsorgen Sie die Batterien gemäß den regionalen Umweltschutzbestimmungen.
- Um das Gerät von der Stromversorgung zu trennen ziehen Sie den Stecker aus der Steckdose.
- Überlasten Sie Steckdosen, Verlängerungskabel und Mehrfachstecker keinesfalls, da dies zu einem Brand oder Stromschlag führen kann.
- Netzkabel müssen so verlegt werden, dass niemand auf das Kabel treten kann oder es durch Gegenstände gequetscht wird, die auf dem Kabel stehen oder gegen das Kabel drücken. Besondere Aufmerksamkeit muss den Bereichen um Stecker, Steckdosen und dem Punkt zukommen, an dem das Netzkabel aus dem Gerät herausgeführt wird.
- Zum Schutz des Geräts bei einem Gewitter oder längerem Nichtbetrieb trennen Sie das Gerät vom Netz.
Trennen Sie darüber hinaus das Antennenkabel vom Gerät. Auf diese Weise werden Schäden durch Blitzschlag oder Spannungsschläge vermieden.
- Stellen Sie sicher, dass die Nennspannung des Netzteils für die örtliche Stromversorgung geeignet ist, bevor Sie das Netzkabel an die Stromversorgung anschließen.
- Stecken Sie keinesfalls metallische Gegenstände in die Öffnungen des Geräts.
Dies kann zu Stromschlägen führen.
- Berühren Sie keinesfalls Bauteile im Geräteinneren, um Stromschläge zu vermeiden.
Das Gerät darf nur von einem qualifizierten Techniker geöffnet werden.
- Ziehen Sie beim Trennen des Geräts von der Stromversorgung nicht am Netzkabel sondern am Stecker.
- Stellen Sie das Gerät der Nähe einer leicht zugänglichen Steckdose auf.
- Wenn das Gerät nicht einwandfrei funktioniert, insbesondere beim Auftreten ungewöhnlicher Geräusche oder Gerüche aus dem Inneren, trennen Sie es unverzüglich von der Stromversorgung und wenden Sie sich umgehend an Ihren örtlichen Vertreter.
- Trennen Sie das Gerät vor jeder Wartung oder Reinigung von der Stromversorgung.
- Achten Sie darauf, dass der Netzstecker gezogen wird, wenn das Fernsehgerät nicht benutzt werden soll oder Sie längere Zeit abwesend sind (besonders wenn Kinder, ältere oder behinderte Menschen allein im Haus gelassen werden).
 - Angesammelter Staub kann bei Funken- und Hitzebildung oder Beschädigung der Isolation einen Stromschlag, elektrischen Kriechstrom oder einen Brand verursachen.



Aviso! Instruções de segurança importantes

(Leia a secção adequada que corresponde
à marca no produto Samsung antes de tentar instalar o produto.)

CUIDADO

RISCO DE CHOQUE ELÉCTRICO NÃO ABRIR

CUIDADO PARA REDUZIR O RISCO DE CHOQUE ELÉCTRICO, NÃO RETIRE A TAMPA (NEM A PARTE TRASEIRA). NO INTERIOR DO TELEVISOR NÃO EXISTEM PEÇAS QUE POSSAM SER REPARADAS PELO UTILIZADOR. A ASSISTÊNCIA SÓ PODE SER EFECTUADA POR TÉCNICOS QUALIFICADOS.



Este símbolo indica a existência de alta tensão no interior do televisor. É perigoso tocar em qualquer parte no interior do produto.



Este símbolo informa-o de que este produto inclui literatura importante sobre o respectivo funcionamento e manutenção.

- As ranhuras e aberturas na caixa e na parte posterior ou inferior permitem a ventilação necessária. Para garantir o funcionamento correcto do aparelho e para o proteger do sobreaquecimento, nunca deve bloquear ou tapar estas ranhuras e aberturas.
 - Não tape as ranhuras e aberturas com panos ou outros materiais.
 - Não bloqueie as ranhuras e aberturas colocando o aparelho numa cama, sofá, tapete ou outra superfície semelhante.
 - Não coloque este aparelho num espaço fechado, como uma estante ou um armário embutido, a menos que tenha ventilação adequada.
- Não coloque este aparelho perto ou por cima de um radiador, sistema de aquecimento ou num local em que esteja exposto à incidência directa dos raios solares.
- Não coloque fontes de calor em cima do aparelho, como velas, cinzeiros, incensos ou outros materiais semelhantes.
- Não coloque recipientes com água em cima do aparelho, porque pode provocar um incêndio ou choque eléctrico.
- Não exponha o aparelho à chuva nem coloque em locais perto de água (perto de uma banheira, lavatório, lava-loiça, tubo da máquina de lavar a loiça, piscina ou numa cave com humidade).
- Se molhar acidentalmente o aparelho, desligue-o da ficha e contacte de imediato o revendedor autorizado. Quando for necessário, pode limpar o aparelho com um pano húmido, mas certifique-se de que primeiro desliga o aparelho da ficha.
- Não exponha o aparelho a condições de temperatura ou humidade extremas.
- Este aparelho tem pilhas. Deite fora as pilhas adequadamente de acordo com as considerações ambientais existentes no seu país. Contacte as autoridades locais para obter informações sobre a destruição ou reciclagem de pilhas.
- Para desligar a fonte de alimentação, retire a ficha do aparelho da tomada de parede.
- Não sobrecarregue tomadas de parede, extensões nem receptáculos, porque pode provocar um incêndio ou choque eléctrico.
- Deve colocar os cabos de alimentação de forma a não serem pisados nem entalados por objectos, tendo em especial atenção os cabos ligados a fichas, a receptáculos e ao ponto de onde os cabos saem do aparelho.
- Para proteger o aparelho de trovoadas, ou quando não for utilizá-lo durante longos períodos de tempo, desligue o aparelho da tomada de parede e desligue a antena ou o sistema de televisão por cabo. Deste modo, o aparelho não sofre eventuais danos provocados por raios e descargas em cabos de alta tensão.
- Antes de ligar o cabo de alimentação de CA à tomada do transformador de CC, certifique-se de que a designação de tensão do transformador de CC corresponde à alimentação eléctrica local.
- Nunca introduza objectos metálicos nas aberturas do aparelho. Se o fizer, pode provocar choques eléctricos.
- Para evitar choques eléctricos, nunca toque no interior do aparelho.
- A caixa do aparelho só deve ser aberta por técnicos qualificados.
- Quando desligar o aparelho da tomada, puxe pela ficha e não pelo cabo.
- Coloque o aparelho perto de uma tomada de CA de fácil acesso.
- Se o aparelho não funcionar normalmente - em particular, se o aparelho emitir ruídos ou cheiros invulgares - desligue o aparelho de imediato e contacte o revendedor autorizado ou centro de assistência técnica.
- Desligue o aparelho da tomada de CA antes de serem efectuados quaisquer serviços de assistência.
- Certifique-se de que retira a ficha de alimentação da tomada se o aparelho de televisão não for utilizado ou se o utilizador não estiver em casa durante um período de tempo longo (especialmente quando crianças, idosos ou pessoas com deficiências forem deixadas sozinhas em casa).
 - Poeira acumulada pode provocar um choque eléctrico, uma fuga eléctrica ou um incêndio, fazendo com que o fio de alimentação produza faíscas e aqueça ou deteriore o isolamento.



Avvertenza!

Importanti istruzioni per la sicurezza

(Prima di installare il prodotto,
leggere la sezione che si riferisce al marchio presente sul vostro dispositivo Samsung.)

ATTENZIONE

RISCHIO DI SCARICHE ELETTRICHE NON APRIRE

ATTENZIONE: PER EVITARE IL RISCHIO DI SCOSSE ELETTRICHE, NON RIMUOVERE IL COPERCHIO (O IL PANNELLO POSTERIORE). ALL'INTERNO NON È PRESENTE ALCUNA PARTE RIPARABILE DALL'UTENTE IN CASO DI RIPARAZIONI RIVOLGERSI A PERSONALE QUALIFICATO.



Questo simbolo indica la presenza di alta tensione all'interno. È pericoloso toccare qualunque parte interna del prodotto.



Questo simbolo informa che al prodotto è allegata della documentazione importante relativa al funzionamento e alla manutenzione.

- Le fessure e le aperture presenti sul telaio o nelle parti posteriore e inferiore garantiscono una ventilazione adeguata.
Per assicurare il funzionamento corretto del prodotto e proteggerlo dal surriscaldamento, le fessure e le aperture non devono mai essere bloccate o coperte.
 - Non coprire le fessure e le aperture con un panno o altri materiali.
 - Non bloccare le fessure e le aperture posizionando il dispositivo sul letto, sul divano, su una coperta o su superfici analoghe.
 - Non posizionare il dispositivo in uno spazio ristretto, quale ad esempio una libreria o un telaio incorporato, senza una ventilazione adeguata.
- Non posizionare il dispositivo vicino o sopra un radiatore o una valvola di regolazione del calore, né esporlo alla luce diretta del sole.
- Non posizionare sul dispositivo alcuna fonte di calore quali candele, portacenere, incenso o altri materiali simili.
- Non posizionare sul dispositivo recipienti pieni d'acqua per evitare il rischio di incendio o scosse elettriche.
- Non esporre il dispositivo alla pioggia né posizionarlo in luoghi con presenza di acqua (vasca da bagno, bacinella, lavello o lavatoio, pavimento bagnato, nei pressi di una piscina o in presenza di altre situazioni analoghe).
- Se il dispositivo entra accidentalmente in contatto con l'acqua, scollegarlo e contattare immediatamente un rivenditore autorizzato.
- Se necessario, è possibile pulire il dispositivo con un panno umido, ma solo dopo averlo scollegato.
- Non esporre l'unità a temperature o umidità eccessive.
- Questo dispositivo utilizza delle batterie. Il paese in cui si utilizza questo dispositivo potrebbe avere delle normative in materia di smaltimento delle batterie per la salvaguardia dell'ambiente.
Contattare le autorità locali per ottenere informazioni in merito a smaltimento e riciclaggio.
- Per disattivare l'alimentazione, scollegare il dispositivo dalla presa a parete.
- Non sovraccaricare la presa a parete, i cavi di prolunga o le altre prese utilizzate per non incorrere nel pericolo di incendio o scosse elettriche.
- I cavi di alimentazione devono essere posizionati in modo da non essere calpestati o schiacciati da oggetti collocati sopra o contro di essi, prestando particolare attenzione ai cavi in prossimità delle spine, delle prese utilizzate e del punto in cui escono dall'unità.
- Per proteggere il dispositivo durante un temporale, o quando viene lasciato incustodito e inutilizzato per lunghi periodi di tempo, staccarlo dalla presa a parete e scollegare l'antenna o il sistema via cavo.
Si evitano in questo modo danni all'unità provocati da fulmini o da picchi di corrente.
- Prima di collegare il cavo di alimentazione CA all'uscita dell'adattatore CC, accertarsi che l'indicazione di voltaggio presente sull'adattatore corrisponda al tipo di alimentazione elettrica locale.
- Non inserire alcuna parte metallica nelle aperture del dispositivo.
Ciò può generare pericolo di scosse elettriche.
- Per evitare la formazione di scosse elettriche, non toccare mai le parti interne del dispositivo.
Il telaio del dispositivo deve essere aperto solo da un tecnico qualificato.
- Quando il dispositivo viene scollegato dalla presa di corrente, accertarsi di afferrare la spina e non il cavo.
- Posizionare il dispositivo nei pressi di una presa CA facilmente accessibile.
- Se il dispositivo non funziona correttamente, in particolare se si avverte la presenza di rumori o odori insoliti, scollegarlo immediatamente e contattare un rivenditore autorizzato o il centro di assistenza tecnica.
- Scollegare il dispositivo dalla presa CA prima di eseguire qualsiasi intervento di manutenzione.
- Accertarsi di scollegare dalla presa di alimentazione la spina nel caso in cui la TV debba rimanere inutilizzata oppure si debba lasciare la casa per un periodo di tempo prolungato (in particolar modo quando ci sono bambini, anziani o persone disabili sole in casa).
- L'accumulo di polvere può causare scosse elettriche, una dispersione elettrica o un incendio, provocando la generazione di calore e scintille dal cavo di alimentazione e il deteriorarsi dell'isolamento.



Осторожно! Важные правила техники безопасности

(Перед установкой изделия прочитайте соответствующий раздел с обозначениями на данном изделии Samsung.)

МЕРЫ ПРЕДОСТОРОЖНОСТИ

ОПАСНОСТЬ ПОРАЖЕНИЯ ЭЛЕКТРИЧЕСКИМ ТОКОМ НЕ ОТКРЫВАТЬ!

ВНИМАНИЕ: ЧТОБЫ ИЗБЕЖАТЬ ПОРАЖЕНИЯ ЭЛЕКТРИЧЕСКИМ ТОКОМ, НЕ ОТКРЫВАЙТЕ КРЫШКУ (ЗАДНЮЮ КРЫШКУ). ВНУТРИ УСТРОЙСТВА НЕТ ЧАСТЕЙ, ОБСЛУЖИВАНИЕ КОТОРЫХ МОЖЕТ ПРОИЗВОДИТЬСЯ ПОЛЬЗОВАТЕЛЕМ. ВСЕ ОПЕРАЦИИ ПО ОБСЛУЖИВАНИЮ ДОЛЖНЫ ВЫПОЛНЯТЬСЯ ТОЛЬКО КВАЛИФИЦИРОВАННЫМИ СПЕЦИАЛИСТАМИ.



Данный символ означает, что внутри присутствует высокое напряжение. Опасно дотрагиваться до любых внутренних деталей изделия.



Данный символ означает, что к изделию прилагается вся необходимая литература по работе и обслуживанию.

- Прорези и отверстия в корпусе и на задней или нижней панели предназначены для вентиляции. Для обеспечения надежной работы устройства и предотвращения его перегрева эти отверстия нельзя закрывать или препятствовать току воздуха.
 - Не закрывайте прорези и отверстия тканью или другими материалами.
 - Запрещается закрывать эти отверстия, помещая изделие на кровать, диван, подстилку или аналогичную поверхность.
 - Не устанавливайте устройство внутри замкнутого объема, например, в книжном шкафу или во встроенном шкафу, если отсутствует надлежащая вентиляция.
- Не размещайте устройство около батареи или обогревателя или над ними, а также в местах, подверженных прямому солнечному свету.
- Не ставьте на устройство источники тепла, например, свечи, зольники, лампы и другие сходные с ними предметы.
- Не ставьте на устройство сосуды с жидкостями, это может привести к возгоранию или поражению электрическим током.
- Не подвергайте устройство воздействию дождя и не ставьте его около воды (около ванны, умывальника, кухонной мойки, бака для мойки, на влажном основании или рядом с бассейном). Если устройство случайно становится влажным, отсоедините его от сети и немедленно обратитесь к авторизованному дилеру.
- При необходимости устройство можно протирать влажной тканью, но перед этим его необходимо отсоединить от сети.
- Не подвергайте устройство воздействию очень высоких температур и очень высокой влажности.
- Питание данного устройства осуществляется от батарей. Могут существовать местные правила утилизации батарей в соответствии с требованиями по охране окружающей среды. За сведениями об утилизации обращайтесь в уполномоченные органы.
- Для отключения источника питания отсоедините устройство от розетки.
- Во избежание поражения электрическим током и возникновения пожара запрещается подключать чрезмерную нагрузку к розеткам сети питания и удлинительным кабелям.
- Кабели питания следует прокладывать в местах, где на них невозможно будет наступить или передавить тяжелыми предметами. Особенное внимание нужно уделить вилкам, розеткам и местам соединения кабеля питания с устройством.
- Для защиты устройства во время грозы, или если оно длительное время не используется или оставляется без присмотра, отсоедините устройство от розетки и отсоедините антенну или кабельную систему. Такая мера предосторожности предотвратит повреждение изделия в результате попадания молнии или из-за скачков напряжения в сети питания.
- Перед подсоединением кабеля питания переменного тока к адаптеру постоянного тока убедитесь, что допустимое напряжение адаптера соответствует напряжению электрической сети.
- Не вставляйте металлические предметы в отверстия устройства. Это может привести к поражению электрическим током.
- Чтобы избежать поражения электрическим током, не дотрагивайтесь до внутренних деталей устройства. Корпус устройства должен открывать только квалифицированный специалист.
- При отсоединении устройства от сети необходимо держаться за вилку, но не за кабель.
- Устройство следует размещать поблизости от легко доступной розетки сети переменного тока.
- Если устройство работает неправильно, в особенности если издается необычный шум или запах, немедленно отсоедините его от сети и обратитесь к авторизованному дилеру или в сервисный центр.
- Перед проведением обслуживания устройства отсоединяйте его от сети переменного тока.
- Обязательно отсоединяйте шнур питания от розетки, если Вы не собираетесь в ближайшее время использовать телевизор или уходите надолго (в особенности, если Вы оставляете без присмотра детей, престарелых или инвалидов).
- Накопление пыли может приводить к поражению электрическим током, утечке электричества или пожару, так как при этом может происходить искрение, нагревание или нарушение изоляции шнура питания.



警告！重要安全指示

安裝本產品之前，請仔細閱讀與您的 Samsung 產品上之標記相應的適當章節。

注意

電擊危險，請勿打開

注意：為了減少電擊的危險，請勿卸下機蓋(或後蓋)。
裝置內沒有使用者可維修之部件。
請合格的專業技術人員執行所有維修工作。



此符號標示內含高壓。
以任何形式與本產品內部之任何部件接觸均可導致危險。



此符號提醒本產品有提供關於操作與維護的重要說明文件。

- 機殼與後蓋或底蓋上的槽口與開口均為提供必要的通風而設。
為了確保本裝置之可靠操作以及避免它過熱，切勿堵塞或遮蔽這些槽口與開口。
 - 請勿使用衣料或其他材料遮蔽這些槽口與開口。
 - 請勿將本裝置放在床上、沙發、地毯或其他類似表面上而使這些槽口與開口被堵塞。
 - 請勿將本裝置放在空間狹窄封閉之處，例如書櫥或內建式壁櫥，除非具備足夠的正確通風設施。
- 請勿將本裝置放在靠近暖氣設備或散發熱的地方，或者陽光可以直射的地方。
- 請勿將熱源放在本裝置的上面，例如：蠟燭、煙灰缸、香或其他類似材料。
- 請勿將包含水的器具放在本裝置的上面，因為這將可能導致火患或電擊。
- 請勿將本裝置暴露在雨中或放在靠近水的地方（靠近浴缸、洗手盆、廚房水槽，或洗衣盆、潮濕的地下室，或靠近游泳池，等等）。如果本裝置被意外灑濕，請即刻斷開電源連接，然後聯絡授權的經銷商。在必要時，您可以用濕布清潔本裝置，但必須確定執行前已斷開本裝置的電源連接。
- 請勿將本裝置安裝在特別高溫或低溫，或濕度很大或很小的地方。
- 本裝置使用電池。根據環境的考量，您的社區可能有設立規定，要求您正確廢置這些電池。如需有關廢置或回收利用的資訊，請聯絡您的本地機構。
- 若要切斷電源，請從牆上插座拔下裝置電源線。
- 不要讓牆上插座、延伸線或便利盒超載，因為這將可能導致火患或電擊。
- 電源線的鋪設方式應該注意，不要讓它有可能被踩踏或被附近物件擠壓、特別留意插頭、便利盒的插頭電纜，以及從裝置出來的電纜。
- 若要保護本裝置免受閃電或風雨襲擊或長期不使用本裝置時提供保護，請從牆上插座拔下電源線，然後斷開天線或電纜系統的連接。
這將可以預防在發生閃電或電湧時對裝置的傷害。
- 將 AC 電源線連接到 DC 配接器之前，請確定 DC 配接器指定的電壓符合您本地的電源供應。
- 請勿將任何金屬物件插入本裝置的開口處。這樣做可能會導致電擊的危險。
- 為了防止電擊，請永遠不要碰觸裝置的內部。只有合格的專業技術人員可以打開本裝置的外箱。
- 從電源插座斷開本裝置的電源時，請握住插頭而不是電線。
- 將本裝置安裝在可以方便使用 AC 插座的地方。
- 如果本裝置未正常操作，特別是發出異常聲音或臭味時，請即刻斷開它的連接，
然後聯絡授權的經銷商或服務中心。
- 開始進行任何保養服務之前，請從 AC 插座拔下此裝置的電源。
- 如果要讓電視維持不使用的狀態，或者您要長時間離開屋內（尤其當屋內只留下幼兒、老人或行動不便的人時），務必確實從插座中拔出電源插頭。
 - 累積的灰塵可能造成電擊、漏電，或因電線走火造成火災，並使絕緣體發熱或造成其品質敗壞。

警告！重要安全说明

安装产品前，请仔细阅读和您的 Samsung 产品上的标记相应的适当部分

注意

有电击的危险 请勿打开

注意：为减少电击的危险，请勿卸下机盖（或背面机盖）。
内部没有用户可维修的部件。
请让合格的维修人员进行维修。



此符号表示内部存在高电压。
与产品内部任何部件的任何形式接触都是危险的。



此符号提醒您关于操作和保养本产品的重要文字
说明有随本产品提供。

- 机箱内和后部或底部的开槽和洞孔是为了提供必要的通风而设计。
为了确保本设备的可靠操作和防止它过热，切勿堵塞或遮盖这些开槽和洞孔。
- 不要用布或其他材料遮盖开槽和洞孔。
- 不要将本设备放在床上、沙发、地毯或其他类似表面上而使开槽和洞孔被堵塞。
- 不要将本设备放置在受限制的空间，如：书柜或嵌入的橱柜，除非有适当的通风条件。
- 不要将本设备放置在电暖炉或暖气片附近或上方，或阳光可直射的地方
- 不要将热源放置在本设备上，如：蜡烛、烟灰缸、香或其他类似材料。
- 不要将有水的容器放置在本设备上，因为这样可以导致火灾或电击的危险。
- 不要将本设备暴露在雨中或靠近水的地方（例如靠近浴缸、水盆、厨房水槽，或洗衣池、潮湿的地下室，或靠近游泳池）。
- 如果本设备意外被弄湿，请立即拔下电源插头然后联系授权经销商。
在必要时，您可以用湿布擦拭本设备，但请确定先拔下设备的电源插头
- 不要将本设备暴露于特别高温或特别潮湿的环境中。
- 本设备有使用电池。基于环境的考量，您的国家可能会制定规章要求您正确处置这些电池。
请联系您本地的机构以了解关于处理或回收利用的信息。
- 若要切断电源，请从墙上插座拔下本设备的电源插头。
- 勿使墙上插座、延长电线或便利插座超载，因为这样可以导致火灾或电击。
- 电源线应布置在不会被踩到或被上方或旁边物体挤压的位置，应特别注意插头处、便利插座处以及设备接出处的电线。
- 为在雷电天气下或无人看管或长时间不用的情况下更好地保护本设备，请从墙上插座拔下其插头，并断开天线或电缆系统的连接。这样可以预防装置在雷电期间以及电源线路出现电涌的情况下被损坏。
- 将交流电源线连接到直流电适配器插座前，请确定直流电适配器的电压指示器符合您本地的电源供应。
- 切勿将任何金属物件插入本设备的洞孔。这样做可能会制造电击的危险。
- 为防止电击，切勿碰触本设备的内部。只有合格技术人员可以打开本设备的机盖。
- 从电源插座断开本设备的连接时，请切记握住插头，而不是电线。
- 将本设备放置在靠近可以方便使用交流电插座的地方。
- 如果本设备操作不正常，特别是如果有发出任何不寻常的声音或气味的时候，请立即拔下电源插座然后联系授权经销商或服务中心。
- 进行任何维修或服务前，请从墙上交流电源插座拔下此设备的插头。
- 如果打算长时间将电视机搁置不用，或者您要离家外出（特别是有小孩、老人或残障人士被单独留在家中时），一定要将电源插头从插座中拔出。
- 蓄积的灰尘可能会促使电源线发出火花和热量或者使绝缘老化，从而引起电击、漏电或者失火。

警告! 安全に関するご注意

(サムスン製品をインストールする前に、
製品の表示に対応する記載事項をお読みください。)

注意

感電する危険があります。カバーを開かないでください

注意 感電の危険をなくするため、カバー（または背面）を外さないでください。内部には、ユーザーが対応可能な部品はありません。すべての修理は正規の修理担当者にご依頼ください。



この記号は、内部が高電圧であることを示しています。この製品の内部部品に触れると危険です。



この記号は、操作とメンテナンスに関する重要な文書がこの製品に付属していることを警告しています。

- ・ キャビネットおよび背面または下部にあるスロットや開口部は、必要な換気を行うためのものです。この装置を正しく作動させるため、また過熱を防止するために、これらのスロットや開口部は絶対にふさがないでください。
 - スロットや開口部を布などで覆わないでください。
 - この装置をベッド、ソファ、ラグのようなものの上に置き、スロットや開口部をふさがないでください。
 - 適切な換気が行われている場合を除き、この装置を本箱などの限られたスペースや組込みキャビネット内部に置かないでください。
- ・ この装置を暖房器具や温風吹出口の近くや上、または日光が直接あたる場所に置かないでください
- ・ この装置の上にろうそく、灰皿、お香などの熱源を置かないでください。
- ・ この装置の上に水を含んだ容器を置かないでください。火災や感電の危険があります。
- ・ この装置を雨にあてないでください。また、浴槽、洗面台、流し、洗濯機、湿った床、プールなど、水気の近くに置かないでください。この装置が万一濡れた場合は、プラグをコンセントから抜き、正規の販売店に直ちにご連絡ください。
この装置は必要に応じて湿った布で拭くことができますが、その前に、装置のプラグをコンセントから抜いてください。
- ・ この装置セットを厳しい温度条件や湿度条件のもとで使用しないでください。
- ・ この装置では電池を使用しています。お住まいの地域によっては、環境を保護するために電池の適切な廃棄を求める規制が設けられている場合があります。廃棄およびリサイクルについては、担当当局にお問い合わせください。
- ・ 電源を遮断する場合は、この装置のプラグをコンセントから抜いてください。
- ・ 壁などのコンセントや延長コードに容量以上の過負荷をかけないでください。
火災や感電の危険があります。
- ・ 電源コードは、踏んだり、上に物を置き圧迫しないように通してください。特にプラグ部のコード、コンセント、および装置からコードが出る部分に注意してください。
- ・ 装置を雷から保護するため、また長期間放置したり使用しない場合には、プラグをコンセントから抜き、アンテナおよびケーブル・システムを電力から切断してください。これは、雷や電線サージにより装置セットが損傷を受けるのを防止するためです。
- ・ AC電源コードをDCアダプタ・コンセントに接続する前に、DCアダプタの電圧指定が使用地域の電源に対応していることを確認してください。
- ・ この装置の開口部には金属性のものを絶対に入れないでください。感電の危険があります。
- ・ 感電を防ぐために、この装置の内部には絶対に触れないでください。この装置のケースは、正規の修理担当者のみが開くことができます。
- ・ この装置を電気ソケットから抜く場合は、コードではなくプラグを持ってください。
- ・ この装置は、ACコンセントの近くに置いてください。
- ・ この装置が正しく動作しない場合、特に、異音や異臭が発生している場合は、プラグをコンセントから直ちに抜き、正規の販売店または修理店にご連絡ください。
- ・ 修理を受ける前に、この装置をACコンセントから抜いてください。
- ・ 長期外出時は電源プラグをコンセントから抜いておいてください(特に子供、高齢者、体の不自由な方などがご自宅に残る場合)。
- ほこりがたまると電源コードから火花が発生したり、過熱や絶縁劣化などによって、感電、漏電、火災などの原因となる恐れがあります。

Regulatory Compliance Statements

Your Samsung product is marked to indicate its compliance class

- Federal Communications Commission (FCC) - USA
- Industry Canada Equipment Standard for Digital Equipment (ICES-003) - Canada
- Voluntary Control Council for Interference (VCCI) - Japan
- Bureau of Standards Metrology and Inspection (BSMI) - Taiwan
- Ministry of Information and Communication (MIC) - Republic of Korea
- Italian Post Ministry (Homologation) - Italy

FCC Class A Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Class B Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If necessary, consult with your dealer or an experienced radio/television technician for additional suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful. This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office, Washington, DC 20402, Stock Number 004-000-00345-4.

The party responsible for product compliance:

SAMSUNG ELECTRONICS CO., LTD.
America QA Lab of Samsung
3351 Michelson Drive
Suite #290, Irvine, CA92612 USA

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product.

Provided with this monitor is a detachable power supply cord with IEC320 style terminations.

It may be suitable for connection to any UL Listed personal computer with similar configuration.

Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal or exceeds the monitor voltage rating.

For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type(parallel blades) plug cap. For 240 Volt applications use only UL Listed detachable power supply cord with NEMA configuration 6015P type(tandem blades) plug cap.

This television receiver provides display of television closed captioning in accordance with Section 15.119 of the FCC rules.(TV broadcast receivers with picture screens 13 inches or larger in diameter models only)



ICES-003 Class A Notice - Avis NMB-003, Classe A

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

ICES-003 Class B Notice - Avis NMB-003, Classe B

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

VCCI Class A Notice

この装置は、情報処理装置等電波障害自主規制協議会(VCCI)の基準に基づくクラスA情報技術装置です。

この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。

この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI Class B Notice

この装置は、情報処理装置等電波障害自主規制協議会(VCCI)の基準に基づくクラスB情報技術装置です。

この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン

受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

BSMI Class A Notice

The following statement is applicable to products shipped to Taiwan and marked as Class A on the product compliance label.

警告使用者:

此是甲類資訊產品,在居住環境中使用時,可能會造成射頻干擾,在這種情況下,

使用者會被要求採取某些適當的對策。



European Notice(Europe Only)

Products with the CE marking comply with the EMC Directive(89/336/EEC), (92/31/EEC), (93/68/EEC) and the Low Voltage Directive(73/23/EEC) Issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms:

- EN55022: Radio Frequency Interference
- EN55024: Electromagnetic Immunity of Information Technology Equipment
- EN61000-3-2: Power Line Harmonics
- EN61000-3-3: Voltage Fluctuations
- EN55013: Radio disturbance characteristics of broadcast receivers and associated equipments
- EN55020: Electromagnetic Immunity of broadcast receivers and associated equipments

European Class A Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.(Class A product only)

정보통신기기 A급기기 (MIC Class A Notice)



이 기기는 업무용으로 전자파적합등록을 한 기기이오니 판매자 또는 사용자는 이 점을 주의하시기 바라며
만약 잘못 판매 또는 구입하였을 때에는 가정용으로 교환하시기 바랍니다.

정보통신기기 B급기기 (MIC Class B Notice)

이 기기는 가정용으로 전자파적합등록을 한 기기로서 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.

Italian Homologation Notice

Questo apparecchio è fabbricato in conformità al D.M.28.08.95 n.548

ed in particolare a quanto specificato nell'Art.2, comma 1.

Questo apparecchio è fabbricato nella U.E. in conformità al D.M.28.08.95 n.548

Art.2, comma 1 ed al D.M.26.03.92 Art.1

- For products produced in countries except European Community

Questo apparecchio è fabbricato in conformità al D.M.28.08.95 n.548

ed in particolare a quanto specificato nell'Art.2, comma 1.

- For products produced in European Community

Questo apparecchio è fabbricato nella U.E. in conformità al D.M.28.08.95 n.548

Art.2, comma 1 ed al D.M.26.03.92 Art.1



Important Safety Instructions(UL Only)

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



WARNING: To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

• Optional

1. Do not place the apparatus in a rack or bookcase. Ensure that there is adequate ventilation and that you've followed that manufacturer's instructions for mounting.(For PDP or Projection TV apparatus)
2. If you place the apparatus in a rack or bookcase, ensure that there is adequate ventilation and that you've followed the manufacturer's instructions.

Wiring the Mains Power Supply Plug(UK Only)

IMPORTANT NOTICE

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and, if it requires replacing, a fuse approved to BS11362 of the same rating must be used.

Never use the plug with the fuse cover omitted if the cover is detachable. If a replacement fuse cover is required, it must be of the same colour as the pin face of the plug. Replacement covers are available from your dealer.

If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance. However, if there is no alternative to cut off the plug, remove the fuse and then safely dispose of the plug. Do NOT connect the plug to a mains socket as there is a risk of shock hazard from the bared flexible cord.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

BLUE - NEUTRAL BROWN - LIVE

As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows :

The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK.

The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

WARNING:

DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL, WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL ⊕, OR COLOURED GREEN OR GREEN AND YELLOW.

Russia Only - PCT Notice



MPR II Compliance (MPR II applied model only)

This monitor complies with SWEDAC(MPR II) recommendations for reduced electric and magnetic fields.

• EPA applied model only

As an ENERGY STAR Partner, Samsung has determined that this product or product models meets the ENERGY STAR guidelines for energy efficiency.

TCO'95-Ecological requirements for personal computers (TCO'95 applied model only)



AB general requirements

AB2 Written Eco-document accompanying the products

Congratulations! You have just purchased a TCO'95 approved and labelled product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and to the further development of environmentally-adapted electronic products.

Why do we have environmentally-labelled monitors?

In many countries, environmental labelling has become an established method for encouraging the adaptation of goods and services to the environment. The main problem as far as monitors and other electronic equipment are concerned is that environmentally harmful substances are used both in the products and during their manufacture. Since it has not been possible so far for the majority of electronic equipment to be recycled in a satisfactory way, most of these potentially damaging substances sooner or later enter Nature.

There are also other characteristics of a monitor, such as energy consumption levels, that are important from both the working and natural environment viewpoints. Since all types of conventional electricity generation have a negative effect on the environment (acidic and climate-influencing emissions, radioactive waste, etc.) it is vital to conserve energy. Electronic equipment in offices consumes an enormous amount of energy, since it is often routinely left running continuously.

What does labelling involve?

This product meets the requirements for the TCO'95 scheme, which provides for International environmental labelling of monitors. The labelling scheme was developed as a joint effort by the TCO (The Swedish Confederation of Professional Employees), Naturskyddsforeningen (The Swedish Society for Nature Conservation) and NUTEK (The National Board for Industrial and Technical Development in Sweden).

The requirements cover a wide range of issues: environment, ergonomics, usability, emission of electrical and magnetic fields, energy consumption and electrical and fire safety.

The environmental demands concern among other things restrictions on the presence and use of heavy metals, brominated and chlorinated flame retardants, CFCs (freons), and chlorinated solvents. The product must be prepared for recycling and the manufacturer is obliged to have an environmental plan, which must be adhered to in each country where the company conducts its operations policy.

The energy requirements include a demand that the monitor after a certain period of inactivity shall reduce its power consumption to a lower level, in one or more stages. The length of time to reactivate the monitor shall be reasonable for the user. Labelled products must meet strict environmental demands, for example in respect of the reduction of electric and magnetic fields, along with physical and visual ergonomics and good usability.

TCO Development Unit 1996-11-29

On the page this folder you will find a brief summary of the environmental requirements met by this product.

The complete environmental criteria document may be ordered from:

TCO Development Unit

S-11494 Stockholm

Sweden

Fax: +46 8 782 92 07

E-mail (Internet): development@tco.se

Current information regarding TCO'95-approved and labelled products may also be obtained via the Internet, using the address: <http://www.tco-info.com/>

TCO'95 is a co-operative project between (3 logos)

Environmental Requirements

Brominated flame retardants are present in printed circuit boards, cables, wires, casings and housings. In turn, they delay the spread of fire. Up to thirty percent of the plastic in a computer casing can consist of flame retardant substances. These are related to another group of environmental toxins, PCBs, which are suspected to give rise to similar harm, including reproductive damage in fish eating birds and mammals, due to the bioaccumulative processes.

Flame retardants have been found in human blood and researchers fear that disturbances in foetus development may occur.

TCO'95 demand requires that plastic components weighing more than 25 grams must not contain organically bound chlorine and bromine.

Lead

Lead can be found in picture tubes, display screens, solders and capacitors. Lead damages the nervous system and in higher doses, causes lead poisoning.

TCO'95 requirement Permits the inclusion of lead since no replacement has yet been developed.

Cadmium

Cadmium is present in rechargeable batteries and in the colour generating layers of certain computer displays.

Cadmium damages the nervous system and is toxic in high doses.

TCO'95 requirement states that batteries may not contain more than 25 ppm (parts per million) of cadmium. The colour-generating layers of display screens must not contain any cadmium.

Mercury

Mercury is sometimes found in batteries, relays and switches. Mercury damages the nervous system and is toxic in high doses.

TCO'95 requirement states that batteries may not contain more than 25 ppm (parts per million) of mercury.

It also demands that no mercury is present in any of the electrical or electronics components concerned with the display unit.

CFCs (freons)

CFCs (freons) are sometimes used for washing printed circuit boards and in the manufacturing of expanded foam for packaging. CFCs break down ozone and thereby damage the ozone layer in the stratosphere, causing increased reception on Earth of ultraviolet light with consequent increased risks of skin cancer (malignant melanoma). The relevant TCO'95 requirement: Neither CFCs nor HCFCs may be used during the manufacturing of the product or its packaging.

The relevant TCO'95 requirement: Neither CFCs nor HCFCs may be used during the manufacturing of the product or its packaging.

TCO'99-Ecological requirements for personal computers (TCO'99 applied model only)



Congratulations!

You have just purchased a TCO'99 approved and labelled product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and also to the further development of environmentally adapted electronics products.

This product meets the requirements for the TCO'99 scheme which provides for an international environmental and quality labelling of personal computers. The labelling scheme was developed as a joint effort by the TCO(The Swedish Confederation of Professional Employees), Svenska Naturskyddsforeningen(The Swedish Society for Nature Conservation), Statens Energimyndighet (The Swedish National Energy Administration) and SEMKO AB.

The requirements cover a wide range of issues: environment, ergonomics, usability, reduction of electric and magnetic fields, energy consumption and electrical safety.

Why do we have environmentally labelled computers?

In many countries, environmental labelling has become an established method for encouraging the adaptation of goods and services to the environment. The main problem, as far as computers and other electronics equipment are concerned, is that environmentally harmful substances are used both in the products and during their manufacture. Since it is not so far possible to satisfactorily recycle the majority of electronics equipment, most of these potentially damaging substances sooner or later enter nature. There are also other characteristics of a computer, such as energy consumption levels, that are important from the viewpoints of both the work (internal) and natural (external) environments. Since all methods of electricity generation have a negative effect on the environment (e.g. acidic and climate-influencing emissions, radioactive waste), it is vital to save energy. Electronics equipment in offices is often left running continuously and thereby consumes a lot of energy.

What does labelling involve?

The environmental demands have been developed by Svenska Naturskyddsforeningen (The Swedish Society for Nature Conservation). These demands impose restrictions on the presence and use of heavy metals, brominated and chlorinated flame retardants, CFCs (freons) and chlorinated solvents, among other things. The product must be prepared for recycling and the manufacturer is obliged to have an environmental policy which must be adhered to in each country where the company implements its operational policy. The energy requirements include a demand that the computer and/or display, after a certain period of inactivity, shall reduce its power consumption to a lower level in one or more stages. The length of time to reactivate the computer shall be reasonable for the user. Below you will find a brief summary of the environmental requirements met by this product. The complete environmental criteria document may be ordered from:

TCO Development

SE-114 94 Stockholm, Sweden

Fax: +46 8 782 92 07

Email (Internet): development@tco.se

Current information regarding TCO'99 approved and labelled products may also be obtained via the Internet, using the address: <http://www.tco-info.com/>

Environmental requirements

Flame retardants

Flame retardants are present in printed circuit boards, cables, wires, casings and housings. Their purpose is to prevent, or at least to delay the spread of fire. Up to 30% of the plastic in a computer casing can consist of flame retardant substances. Most flame retardants contain bromine or chlorine, and those flame retardants are chemically related to another group of environmental toxins, PCBs. Both the flame retardants containing bromine or chlorine and the PCBs are suspected of giving rise to severe health effects, including reproductive damage in fish-eating birds and mammals, due to the bio-accumulative processes. Flame retardants have been found in human blood and researchers fear that disturbances in foetus development may occur. The relevant TCO'99 demand requires that plastic components weighing more than 25 grams must not contain flame retardants with organically bound bromine or chlorine. Flame retardants are allowed in the printed circuit boards since no substitutes are available.

Cadmium**

Cadmium is present in rechargeable batteries and in the colour-generating layers of certain computer displays. Cadmium damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries, the colour-generating layers of display screens and the electrical or electronics components must not contain any cadmium.

Mercury**

Mercury is sometimes found in batteries, relays and switches. It damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries may not contain any mercury. It also demands that mercury is not present in any of the electrical or electronics components associated with the labelled unit. There is however one exception. Mercury is, for the time being, permitted in the back light system of flat panel monitors as today there is no commercially available alternative. TCO aims on removing this exception when a Mercury free alternative is available.

CFCs (freons)

The relevant TCO'99 requirement states that neither CFCs nor HCFCs may be used during the manufacture and assembly of the product. CFCs (freons) are sometimes used for washing printed circuit boards. CFCs break down ozone and thereby damage the ozone layer in the stratosphere, causing increased reception on earth of ultraviolet light with e.g. increased risks of skin cancer (malignant melanoma) as a consequence.

Lead**

Lead can be found in picture tubes, display screens, solders and capacitors. Lead damages the nervous system and in higher doses, causes lead poisoning. The relevant TCO'99 requirement permits the inclusion of lead since no replacement has yet been developed.

TCO'03-Ecological requirements for personal computers (TCO'03 applied model only)



Congratulations!

The display you have just purchased carries the TCO'03 Displays label. This means that your display is designed, manufactured and tested according to some of the strictest quality and environmental requirements in the world. This makes for a high performance product, designed with the user in focus that also minimizes the impact on our natural environment.

Some of the features of the TCO'03 Display requirements:

Ergonomics

Good visual ergonomics and image quality in order to improve the working environment for the user and to reduce sight and strain problems. Important parameters are luminance, contrast, resolution, reflectance, colour rendition and image stability.

Energy

Energy-saving mode after a certain time – beneficial both for the user and the environment
Electrical safety

Emissions

- Electromagnetic fields
- Noise emissions

Ecology

- The product must be prepared for recycling and the manufacturer must have a certified environmental management system such as EMAS or ISO 14000
- Restrictions on
 - o chlorinated and brominated flame retardants and polymers
 - o heavy metals such as cadmium, mercury and lead.

The requirements included in this label have been developed by TCO Development in cooperation with scientists, experts, users as well as manufacturers all over the world. Since the end of the 1980s TCO has been involved in influencing the development of IT equipment in a more user-friendly direction. Our labelling system started with displays in 1992 and is now requested by users and IT-manufacturers all over the world.

For more information, Please visit www.tcodevelopment.com

TCO'03 Recycling Information (TCO'03 applied model only)

[European Residents Only]

For recycling information for TCO'03 certified monitors, for the residents in the following countries, please contact the company corresponding to your region of residence. For those who reside in other countries, please contact a nearest local Samsung dealer for recycling information for the products to be treated in environmentally acceptable way.

	U.S.A. Residents Only	European Residents Only		
	U.S.A.	SWEDEN	NORWAY	GERMANY
COMPANY	Solid Waste Transfer & Recycling Inc	ELKRETSSEN	Elektronikkretur AS	vfw AG
ADDRESS	442 Frelinghuysen Ave Newark, NJ 07114	ELKRETSSEN Box 1357, 111 83 Stockholm Barnhusgatan 3, 4 tr.	6454 Etterstad 0602 Oslo Fyrstikkalln 3B	Max Plank Strasse 42 50858 Collogne Germany
TELEPHONE	973-565-0181	08-545 212 90	23 06 07 40	49 0 2234 9587 - 0
FAX	Fax: 973-565-9485	08-545 212 99	23 06 07 41	
E-MAIL	none	info@el-kretsen.se	adm@elektronikkretur.no	vfw.info@vfw-ag.de
HOME PAGE	http://www.bcu.org/SolidWaste_Disposal.htm	http://www.el-kretsen.se/	http://www.eiretur.no/	

Medical Requirement (Medical applied model only)



Classifications:

In accordance with UL 2601-1/IEC 60601-1, the product is classified as Continuous duty Class I equipment, which is not protected against ingress of liquids. The product is not suitable for use in the presence of a flammable anaesthetic mixture with air or with oxygen or nitrous oxide.

EMC

This equipment has been tested and found to comply with the limits for medical devices to the IEC 601-1-2:1994. These limits are designed to provide reasonable protection against harmful interference in a typical medical installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to other devices in the vicinity. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to other devices, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving device.
- Increase the separation between the equipment.
- Connect the equipment into an outlet on a circuit different from that to which the other device (s) are connected.
- Consult the manufacturer or field service technician for help.

Video In / RS 232 / Video Out

Accessories equipment connected to the analog and digital interfaces must be certified to the respective IEC standards (i.e. IEC 950 for data processing equipment and IEC 601-1 for medical equipment.) Furthermore all configurations shall comply with the system standard IEC 601-1-1.

Everybody who connects additional equipment to the signal input part or signal output part configures a medical system, and is therefore, responsible that the system complies with the requirements of the system standard IEC 601-1-1. If in doubt, consult the technical services department or your local representative.

Transport and Storage Limitations:

Temperature Range of -40°C to +70°C

Relative Humidity of 10 -95%, non-condensing

* Bio-accumulative is defined as substances which accumulate within living organisms.

** Lead, Cadmium and Mercury are heavy metals which are Bio-accumulative.

