Owner’s Instructions

Register your product at www.samsung.com/global/register
Record your Model and Serial number here for future reference.

- Model _______________  - Serial No. _______________
Important Warranty Information Regarding Television Format Viewing

Wide screen format Plasma TV 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 Plasma TV Displays that leave subtle, but permanent burned-in ghost images in the Plasma TV picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars.**

On Plasma TV 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 Plasma TV aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty.

FCC Statements

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. Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operated in conjunction with any other antenna or transmitter.

U.S.A Only


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Other countries

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Notes on the WIRELESS HOME AV CENTER Installation

- The wireless signal is transmitted/received from the front of the Wireless Home AV Center using an internal antenna.

- Depending on the installation location of the Wireless Home AV Center and the Plasma TV, the video signal may be affected if the communication conditions are unstable.

- With this new technology Wireless Home AV Center/TV System, external devices such as DVD players and cable/satellite boxes are connected to the WIRELESS unit, then a wireless signal is sent to the TV.

- Weak communication levels might be found on the sides of the Wireless Home AV Center.

- For a better video reception, the Plasma TV needs a line of sight to the Wireless Home AV Center.

To Ensure Optimum Wireless Conditions

- Do not place metal objects, CDs, DVDs, or any metallic components near the Wireless Home AV Center.
- Do not place AV devices such as a DVD or Bluray player, etc. on top of the Wireless Home AV Center. This may cause a broken or distorted picture to be displayed on the screen.
- Set the Wireless Home AV Center and Plasma TV away from other connected devices in order to clear the wireless communication area.
- Avoid installation near a bathtub or crowded area.
- Install the Wireless Home AV Center and the TV in the same location (e.g. living room or bedroom etc.). Wireless communication is not available when there is a physical wall between the wireless communication devices.
- Do not turn on more than one TV and the Wireless Home AV Center at the same time. The picture on the screen may be distorted by interference that may arise when the TV and Wireless center communicate with each other.
- Do not install this TV within 26 feet of another Wireless TV. The picture on the screen may be distorted by interference from wireless communications.
- Avoid installation near metal framework, furniture, or any other metal objects.
- Do not use other wireless devices near the Wireless AV Center and the TV. (Wireless communication Frequency Range : 5.15~5.825GHz)
- Do not place any object on or insert anything into the holes of the top of Wireless Home AV Center.
- Make sure to turn the power off before moving the Wireless Home AV Center.
Wireless PDP TV Installation Guide - Maximum Operating Distances

1. When installing the PDP TV away from the Wireless Home AV Center.

   Maximum Operation Distance and Angle

2. When installing the PDP TV and Wireless Home AV Center on the same wall.

   Maximum Operation Distance

Optimum Installation

1. Installing the Wireless Home AV Center on a table underneath the PDP TV.

   Example of installing at 7 feet. (2m) distance

2. Installing the Wireless Home AV Center on a table next to you.

   Example of installing at 26 feet. (8m) distance

Avoid installing in these locations

1. There are people or other obstacles between the Wireless Home AV Center and the TV.

2. There is metal casing around the Wireless Home AV Center.

3. There is a cover over the Wireless Home AV Center or the Wireless Home AV Center is too near the TV. (less than 1 feet (0.3m)).
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) 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 29 of this manual to reduce the degree of brightness and contrast of the screen when displaying a still image.

- **Altitude**
  - The Plasma TV can only operate normally at heights under 6500ft.

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

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

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

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

- **A still image displayed too long may cause permanent damage to the Plasma TV Panel.**
  - Watching the Plasma 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 effects to the screen.
  - Damages caused by the above effect are not covered by the Warranty.

- **After-images on the Screen.**
  - Displaying still images from Video games for longer than a certain period of time may produce partial after-images.
  - To prevent this effect, reduce the ‘brightness’ and ‘contrast’ when displaying still images for a long time.

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

- **Installing**
  - Be sure to contact an authorized service center, when installing your set in a location with the heavy dust, high or low temperatures, high humidity, chemical substance and where it operates for 24 hours such as the airport, the train station or etc. Failure to do so may cause a serious damage to your set.
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Symbols
- Press
- One-Touch Button
- Note
General Information

List of Features

- Adjustable picture settings that can be stored in the TV's memory.
- Automatic timer to turn the TV on and off.
- A special sleep timer.
- V-Chip function.
- Excellent Digital Interface & Networking:
  With a built-in HD digital tuner, non-subscription HD broadcasts can be viewed with no Cable Box/Satellite receiver (Set-Top Box) needed.
- Remote Control
  The supplied remote can be used to operate the TV and Wireless Home AV Center as well as most DVD players, Set-top boxes, Cable Boxes and VCRs.
- Excellent Picture Quality
  - DNle technology provides life-like clear images.
- SRS TruSurround XT
  - SRS TruSurround XT provides a virtual Dolby surround system.
- Wireless Home AV Center
  - Enables wireless communication between the TV and components (DVD player, Cable/Satellite Box etc) connected to the Wireless Center.

Accessories

Please make sure the following items are included with your TV and Wireless Home AV Center. If any items are missing, contact your dealer.

Remote Control (BN59-00655A) / AAA Batteries (4301-000103)
Power Cord (3903-000144)
Owner’s Instructions / Quick Setup Guide
Cleaning Cloth

Cover-Bottom / Screws (2ea) (Refer to page 77)
Ferrite Core for Power Cord (3301-001110)
Ferrite Core for Side-AV / S-VIDEO / HDMI (3301-001305)
Ferrite Core for Headphone (3301-001456)

➢ See the bottom of the page for Ferrite Core usage.

The following parts are sold separately and are available at most electronics stores.

S-VIDEO Cable (BN39-00149A)
HDMI Cable (BN39-00641A)
HDMI/DVI cable (BN39-00643A)
Component Cables (RCA) (BN39-00279A)

➢ Ferrite Core (Power Cord, Audio/Video Cable, S-Video Cable, Headphone, HDMI Cable)
The ferrite cores are used to shield the cables from interference. When connecting a cable, open the ferrite core and clip it around the cable near the plug.
Viewing the Control Panel

Buttons on the Lower-Right Part of the Panel
The buttons on the lower-right panel control your TV's basic features, including the on-screen menu. To use the more advanced features, you must use the remote control.

FP-T5094W/FP-T5894W

1 SOURCE
Toggles between all the available input sources (TV, AV1, AV2, S-Video, Component1, Component2, HDMI1, HDMI2, or HDMI3).
➢ In the on-screen menu, use this button as you would use the ENTER button on the remote control.

2 MENU
Press to see an on-screen menu of your TV's features.

3 + VOL –
Press to increase or decrease the volume. In the on-screen menu, use the + VOL – buttons as you would use the◄ and ► buttons on the remote control.

4 ▲ CH ▼
Press to change channels.
In the on-screen menu, use the ▲ CH ▼ buttons as you would use the▲ and ▼ buttons on the remote control.

5 POWER
Press to turn the TV on and off.
Power Indicator
Blinks and turns off when the power is on and lights up in stand-by mode.
Remote Control Sensor
Aim the remote control towards this spot on the TV.

6 Speakers
➢ The product color and shape may vary depending on the model.
Viewing the Connection Panel (Plasma TV)

Rear Panel Jacks of Your TV

1. **POWER IN**
   - Connect the supplied power cord.

2. **Service**
   - For service only.

3. **EX-LINK**
   - Connect this to the jack on the optional Auto wall mount bracket. This will allow you to adjust the Wireless Home AV Center viewing angle using your remote control.
   - The model FP-T5894 cannot be Auto wall mounted.
   - The EX-LINK jack on the FP-T5894 functions as a RS-232C control jack.

What is RS-232C?
- In telecommunications, RS-232 is a standard for serial data signals connected between a DTE (ie TV) and a DCE (ie Wall Mount).

Viewing the Connection Panel (WIRELESS HOME AV CENTER)

Front Panel Jacks

Use the front panel jacks to connect a component that is used only occasionally, such as a camcorder or video game.

1. **HEADPHONE**
   - You can connect a set of headphones if you wish to watch a television program without disturbing other people in the room.

2. **AV IN 2**
   - Audio and video inputs for external devices.

3. **S-VIDEO(AV IN 2)**
   - S-Video input for external devices with an S-Video output.

4. **WISELINK**
   - Connect a USB mass storage device to view photo files (JPEG) and play audio files (MP3).

5. **HDMI IN 3**
   - Connect to the HDMI jack of a device with an HDMI output.
Rear Panel Jacks of the Wireless Home AV Center

Use the rear panel jacks to connect A/V components that will be connected continuously, such as VCR or DVD players. For more information on connecting equipment, see pages 12-17. The product color and shape may vary depending on the model.

1. **ANT 1 IN(AIR)/ANT 2 IN(CABLE)**
   Uses a 75Ω Coaxial connector for an Air/Cable Network.

2. **HDMI IN 1, 2**
   Connect to the HDMI jack of a device with an HDMI output.
   - The HDMI IN 1 jack can also be used as a DVI connection with separate analog audio inputs. An optional HDMI/DVI cable will be necessary to make this connection.
   - When using an optional HDMI/DVI adapter, the DVI analog audio inputs on your TV allow you to receive left and right audio from your DVI device.

3. **DVI IN (HDMI 1) (AUDIO-R/L)**
   Connect to the DVI audio output jack of an external device.

4. **AUDIO OUT (R/L)**
   Audio outputs to external devices.

5. **AV IN 1**
   Video and audio inputs for external devices.

6. **SERVICE**
   For service only.

7. **COMPONENT IN**
   Component video (Y/Pr/Pr) and audio (R-AUDIO-L) inputs.

8. **DIGITAL AUDIO OUT (OPTICAL)**
   Connect to a Digital Audio component.

➢ The Wireless Home AV Center does not have any controls or buttons (i.e., Power). When the TV is turned on, the Wireless Center will also turn on automatically.
Remote Control

You can use the remote control up to a distance of about 23 feet from the TV. When using the remote, always point it directly at the TV. You can also use your remote control to operate your VCR, Cable box, DVD player, or Set-Top Box.

1. **POWER**
   - Turns the TV and Wireless Home AV Center on and off.

2. **NUMERIC BUTTONS**
   - Press to directly select a channel.

3. **–**
   - Press to select additional channels (digital and analog) being broadcast by the same station. For example, to select channel “54-3”, press “54”, then press “–” and “3”.

4. **CH LIST**
   - Used to display Channel Lists on the screen.

5. **ANTENNA**
   - Press to select “AIR” or “CABLE”.

6. **VCR/DVD Functions**
   - Rewind
   - Stop
   - Play/Pause
   - Fast/Forward

7. **+ VOL –**
   - Press to increase or decrease the volume.

8. **MUTE**
   - Press to temporarily cut off the sound.

9. **MENU**
   - Displays the main on-screen menu.

10. **S.MODE**
    - Press to select the sound mode.

11. **RETURN**
    - Returns to the previous menu.

12. **P.MODE**
    - Press to select the picture mode.

13. **SRS**
    - Selects SRS TruSurround XT mode.

14. **MTS**
    - Press to choose stereo, mono or Separate Audio Program (SAP broadcast).

15. **FAV.CH**
    - Press to switch to your favorite channels.

16. **AUTO PROG.**
    - Press to automatically store selected Air/Cable channels.

17. **SET**
    - Sets the remote to control your TV, VCR, Cable, DVD player, or Set-Top Box.

18. **TV/DVD/STB/CABLE/VCR**
    - Press to operate your TV, DVD player, STB, CABLE (box), or VCR.

19. **SOURCE**
    - Press to display all of the available video sources.

20. **PRE-CH**
    - Tunes to the previous channel.

21. **WISELINK**
    - This function enables you to view and play photo (JPEG) and audio files (MP3) from an external device. (Refer to pages 66 (JPEG) and 72 (MP3))

22. **HDMI**
    - Selects the HDMI mode directly.

23. **UP ▲/DOWN ▼/LEFT ►/RIGHT ◄/ENTER □**
    - Use to select on-screen menu items and change menu values.

24. **INFO**
    - Press to display information on the TV screen.

25. **CAPTION**
    - Controls the caption decoder.

26. **STILL**
    - Press to stop the action during a particular scene. Press again to resume normal video.

27. **P.SIZE**
    - Press to change the screen size.

28. **PIP**
    - Picture-in Picture ON/OFF.

29. **CH ◄/▼**
    - Displays the available channels in sequence. (These buttons change channels in the PIP window only.)

30. **ADD/DEL**
    - Use to store and delete channels to/from memory.

31. **RESET**
    - When your remote does not work, change the batteries and press the RESET button for 2-3 seconds before use.

➢ This is a special remote control for the visually impaired, and has Braille points on the POWER, Channel, Volume, STOP, and PLAY/PAUSE buttons.
➢ The performance of the remote control may be affected by bright light.
Connections

Connecting VHF and UHF Antennas

If your antenna has a set of leads that look like this, see “Antennas with 300 Ω Flat Twin Leads” below.

If your antenna has one lead that looks like this, see “Antennas with 75 Ω Round Leads”. If you have two antennas, see “Separate VHF and UHF Antennas”.

Antennas with 300 Ω Flat Twin Leads

If you are using an off-air antenna (such as a roof antenna or “rabbit ears”) that has 300 Ω twin flat leads, follow the directions below.

1. Place the wires from the twin leads under the screws on a 300-75 Ω adapter (not supplied). Use a screwdriver to tighten the screws.

2. Plug the adaptor into the ANT 1 IN (AIR) or ANT 2 IN (CABLE) terminal on the back of the Wireless Home AV Center.

Antennas with 75 Ω Round Leads

1. Plug the antenna lead into the ANT 1 IN (AIR) or ANT 2 IN (CABLE) terminal on the back of the Wireless Home AV Center.

Separate VHF and UHF Antennas

If you have two separate antennas (one VHF and one UHF), you must combine the two antenna signals before connecting the antennas to the Wireless Home AV Center. This procedure requires an optional combiner-adaptor (available at most electronics shops).

1. Connect both antenna leads to the combiner.

2. Plug the combiner into the ANT 1 IN (AIR) or ANT 2 IN (CABLE) terminal on the back of the Wireless Home AV Center.

Installing Batteries in the Remote Control

1. Lift the cover at the back of the remote control upward as shown in the figure.

2. Install two AAA size batteries.
   - Make sure to match the “+” and “−” ends of the batteries with the diagram inside the compartment.
   - Do not mix battery types, i.e. alkaline and manganese.

3. Close the cover as shown in the figure.
   - Remove the batteries and store them in a cool, dry place if you won’t be using the remote control for a long time. The remote control can be used up to about 23 feet from the TV. (Assuming typical TV usage, the batteries last for about one year.)

   ➢ If the remote control doesn’t work, check the following:
   1. Is the TV power on?
   2. Are the plus and minus ends of the batteries reversed?
   3. Are the batteries drained?
   4. Is there a power cut, or is the power cord unplugged?
   5. Is there a special fluorescent light or a neon sign nearby?

4. Remove the batteries and store them in a cool, dry place if you won’t be using the remote control for a long time. The remote control can be used up to about 23 feet from the TV. (Assuming typical TV usage, the batteries last for about one year.)

5. If the remote control doesn’t work, check the following:
   1. Is the TV power on?
   2. Are the plus and minus ends of the batteries reversed?
   3. Are the batteries drained?
   4. Is there a power cut, or is the power cord unplugged?
   5. Is there a special fluorescent light or a neon sign nearby?
Connecting Cable TV

To connect to a cable TV system, follow the instructions below.

Cable without a Cable Box

1. Plug the incoming cable into the ANT 2 IN (CABLE) terminal on the back of the Wireless Home AV Center. ➢ Because this Wireless Home AV Center is cable-ready, you do not need a cable box to view unscrambled cable channels.

Connecting to a Cable Box that Descrambles All Channels

1. Find the cable that is connected to the ANT OUT terminal on your cable box. ➢ This terminal might be labeled “ANT OUT”, “VHF OUT” or simply, “OUT”.

2. Connect the other end of this cable to the ANT 2 IN (CABLE) terminal on the back of the Wireless Home AV Center.

Connecting to a Cable Box that Descrambles Some Channels

If your cable box descrambles only some channels (such as premium channels), follow the instructions below. You will need a two-way splitter, an RF (A/B) switch, and four lengths of Antenna cable. (These items are available at most electronics stores.)

1. Find and disconnect the cable that is connected to the ANT IN terminal on your cable box. ➢ This terminal might be labeled “ANT IN”, “VHF IN” or simply, “IN”.

2. Connect this cable to a two-way splitter.

3. Connect an Antenna cable between an OUTPUT terminal on the splitter and the IN terminal on the cable box.

4. Connect an Antenna cable between the ANT OUT terminal on the cable box and the B–IN terminal on the RF (A/B) switch.

5. Connect another cable between the other OUT terminal on the splitter and the A–IN terminal on the RF (A/B) switch.

6. Connect the last Antenna cable between the OUT terminal on the RF (A/B) switch and the ANT 2 IN (CABLE) terminal on the back of the Wireless Home AV Center.

After you have made this connection, set the A/B switch to the “A” position for normal viewing. Set the A/B switch to the “B” position to view scrambled channels. (When you set the A/B switch to “B”, you will need to tune your Wireless Home AV Center to the cable box’s output channel, which is usually channel 3 or 4.)
Connecting a DVD Player/Cable Box/Satellite receiver (Set-Top Box) via DVI

This connection can only be made if there is a DVI Output jack on the external device. This connection will provide the highest quality picture.

1. Connect a HDMI/DVI Cable or DVI-HDMI Adapter between the [HDMI IN1] jack on the Wireless Home AV Center and the DVI jack on the DVD Player/Cable Box/Satellite receiver (Set-Top Box).

2. Connect Audio Cables between the DVI IN (HDMI 1) [R-AUDIO-L] jack on the Wireless Home AV Center and the AUDIO OUT jacks on the DVD Player/Cable Box/Satellite receiver (Set-Top Box).

➢ Each DVD Player/Cable Box/Satellite receiver (Set-Top Box) has a different back panel configuration.
➢ When connecting a DVD Player/Cable Box/Satellite receiver (Set-Top Box), match the color of the connection terminal to the cable.
➢ When using an HDMI/DVI cable connection, you must use the HDMI IN1 terminal.

Connecting a DVD Player/Cable Box/Satellite receiver (Set-Top Box) via HDMI

This connection can only be made if there is an HDMI Output jack on the external device. This connection will provide the highest quality picture.

1. Connect an HDMI Cable between the HDMI IN (1, 2 or 3) on the Wireless Home AV Center and the HDMI OUT on the DVD Player/Cable Box/Satellite receiver (Set-Top Box).

2. Connect Audio Cables between the DVI IN (HDMI 1) [R-AUDIO-L] jack on the Wireless Home AV Center and the AUDIO OUT jacks on the DVD Player/Cable Box/Satellite receiver (Set-Top Box).

➢ Each DVD Player/Cable Box/Satellite receiver (Set-Top Box) has a different back panel configuration.
➢ When connecting via HDMI, you do not need to connect Audio Cables. You only need to connect Audio cables when connecting via HDMI/DVI.
➢ The Wireless Home AV Center may not output sound and pictures may be displayed with abnormal color when DVD players/Cable Boxes/Satellite receivers supporting HDMI versions older than 1.3 are connected. When connecting an older HDMI cable and there is no sound, connect the HDMI cable to the HDMI IN 1 jack and the audio cables to the DVI IN (HDMI1) [R-AUDIO-L] jacks on the back of the Wireless Home AV Center. If this happens, contact the company that provided the DVD player/Cable Box/Satellite receiver to confirm the HDMI version, then request an upgrade.
➢ HDMI cables that are not 1.3 may cause annoying flicker or no screen display.
➢ HDMI on this system supports all resolutions (480i/480p/720p/1080i/1080p)
Connecting a DVD Player/Cable Box/Satellite receiver (Set-Top Box)

The rear panel jacks on your Wireless Home AV Center make it easy to connect a DVD Player/Cable Box/ Satellite receiver (Set-Top Box).

1. Connect Component Cables between the COMPONENT IN (1 or 2) [Y, P_b, P_r] jacks on the Wireless Home AV Center and the COMPONENT OUT [Y, P_b, P_r] jacks on the DVD Player/Cable Box/Satellite receiver (Set-Top Box).

2. Connect Audio Cables between the COMPONENT IN (1 or 2) [R-AUDIO-L] jacks on the Wireless Home AV Center and the AUDIO OUT jacks on the DVD Player/ Cable Box/Satellite receiver (Set-Top Box).

- Component video separates the video into Y (Luminance (brightness)), P_b (Blue) and P_r (Red) for enhanced video quality. Be sure to match the component video and audio connections. For example, if connecting the video cable to COMPONENT IN, connect the audio cable to COMPONENT IN also.
- Each DVD Player/Cable Box/Satellite receiver (Set-Top Box) has a different back panel configuration.
- When connecting a DVD Player/Cable Box/Satellite receiver (Set-Top Box), match the color of the connection terminal to the cable.

Connecting a VCR

Video Connection

These instructions assume that you have already connected your Wireless Home AV Center to an antenna or a cable system (according to the instructions on pages 12~13). Skip step 1 if you have not yet connected to an antenna or a cable system.

1. Unplug the cable or antenna from the back of the Wireless Home AV Center.

2. Connect the cable or antenna to the ANT IN terminal on the back of the VCR.

3. Connect an Antenna Cable between the ANT OUT terminal on the VCR and the ANT 1 IN(AIR) or ANT 2 IN (CABLE) terminal on the Wireless Home AV Center.

4. Connect a Video Cable between the VIDEO OUT jack on the VCR and the AV IN 1 [VIDEO] jack on the Wireless Home AV Center.


- If you have a “mono” (non-stereo) VCR, use a Y-connector (not supplied) to hook up to the right and left audio input jacks of the Wireless Home AV Center.
- If your VCR is stereo, you must connect two cables.
- Each VCR has a different back panel configuration.
- When connecting a VCR, match the color of the connection terminal to the cable.


**Connecting a Camcorder**

The front panel jacks on your Wireless Home AV Center make it easy to connect a camcorder. They allow you to view the camcorder tapes without using a VCR.

1. Connect a Video Cable (or S-Video Cable) between the AV IN 2 [VIDEO] (or S-VIDEO) jack on the Wireless Home AV Center and the VIDEO OUT jack on the Camcorder.


➢ Each Camcorder has a different back panel configuration.
➢ When connecting a Camcorder, match the color of the connection terminal to the cable.
Connecting a Digital Audio System

The rear panel jacks on your Wireless Home AV Center make it easy to connect a Digital Audio System.

1. Connect an Optical Cable between the DIGITAL AUDIO OUT (OPTICAL) jacks on the Wireless Home AV Center and the Digital Audio Input (OPTICAL) jacks on the Digital Audio System.

   When a Digital Audio System is connected to the "DIGITAL AUDIO OUT (OPTICAL)" jack:
   • Decrease the gain (volume) of the Wireless Home AV Center, and adjust the volume level with the system’s volume control.

   What is OPTICAL?
   • An optical cable converts an electric signal into an optical light signal, and transmits it through glass fibers. S/PDIF is a transmission system of digital audio in the form of a light wave that uses a glass conductor.
   • 5.1CH audio is possible when the Wireless Home AV Center is connected to an external device supporting 5.1CH.
   • Each Digital Audio System has a different back panel configuration.
   • When the COMPONENT IN or HDMI IN jacks are connected, the Optical jack on the Wireless Home AV Center outputs 2 channel audio only. If you want to hear 5.1 channel audio, connect the DIGITAL AUDIO OUT (OPTICAL) jack on the DVD player or Cable/Satellite Box directly to an Amplifier or Home Theater, not the Wireless Home AV Center.

Connecting an Amplifier/DVD Home Theater


   When an audio amplifier is connected to the "AUDIO OUT [R-AUDIO-L]" jacks:
   • Decrease the gain (volume) of the Wireless Home AV Center, and adjust the volume level with the Amplifier’s volume control.

   ➢ Each Amplifier/DVD Home Theater has a different back panel configuration.
   ➢ When connecting an Amplifier/DVD Home Theater, match the color of the connection terminal to the cable.
   ➢ Connect the audio from an external device to the Wireless Home AV Center. If you connect an external device directly to the Home Theater, a lip-sync problem may occur.
Operation

Turning the TV and Wireless Home AV Center On and Off

Press the POWER button on the remote control.
The TV and Wireless Home AV Center will be turned on and you will be able to use their features. You can also use the Power button on the front of the TV.

➢ If your TV isn’t turned on when the Power button is pressed:
   Press the TV button to check if the TV mode has been chosen.

Plug & Play Feature

If you install the TV and the Wireless Home AV Center and turn them on, the TV and the Wireless Home AV Center are automatically connected.

➢ The Wireless Home AV Center does not have any controls or buttons (ie Power). When the TV is turned on, the Wireless Center will also turn on automatically.

1 Press the POWER button on the remote control.
The message Connecting to Wireless Home AV Center is displayed.

2 Press the ENTER button, the Select the language of the OSD menu is automatically displayed.
Press the ▲ or ▼ button to select language, then press the ENTER button.
The message Select Home Mode when installing this TV at home. is automatically displayed.

3 Press the ◄ or ► button to select Shop or Home, then press the ENTER button.
➢ The default selection is Home.
➢ We recommend setting the TV to Home mode for the best picture in your home environment.
➢ Shop mode is only intended for use in retail environments.
➢ If the unit is accidentally set to Shop mode and you want to return to Dynamic (Home) mode, press any Volume button and then hold down the MENU button for five seconds on the TV panel.

4 Press the ▲ or ▼ button to memorize the channels of the selected connection.
Press the ENTER button to select Start.
➢ If the antenna is connected to ANT1 IN(AIR), select Air and if it is connected to ANT 2 IN(CABLE), select Cable.
➢ If both ANT 1 IN(AIR) and ANT 2 IN(CABLE) are connected, select Air + Cable.
➢ In Cable mode, select the correct analog signal cable system source among STD, HRC, and IRC by pressing the ▲ or ▼ button, then press the ENTER button. If you have Digital cable, select the cable system signal source for both Analog and Digital. Contact your local cable company to identify the type of cable system that exists in your particular area.
To memorize the channels, press the ► button to select Start, then press the ENTER button.
Contact your local cable company to identify the type of cable system that exists in your particular area.

Continued...
5 The TV will begin memorizing all of the available channels. After all the available channels are stored, the Auto program menu reappears. Press the ENTER button when channel memorization is complete. The Clock Mode menu is automatically displayed.
➢ To stop the search before it has finished, press the ENTER button with Stop selected.

6 Press the ▲ or ▼ button to select Manual if you want to set the current time manually, then press the ENTER button. Set current date and time. is displayed.
➢ If you select Auto, Set to daylight savings time. is displayed, then go to step 9.

7 Press the ◄ or ► button to move to Month, Day, Year, Hour, Minute, or am/pm. Set the date and time you want by pressing the ▲ or ▼ button, then press the MENU button.
➢ You can set the Month, Day, Year, Hour, and Minute directly by pressing the number buttons on the remote control.

8 The message Enjoy your watching. is displayed. When you have finished, press the ENTER button.
➢ Even if the ENTER button is not pressed, the message will automatically disappear after several seconds.

Setting the Clock Automatically

9 Press the ▲ or ▼ button to select On or Off, then press the ENTER button. Select the time zone in which you live. menu is automatically displayed.

10 Press the ▲ or ▼ button to highlight the time zone for your local area. Press the ENTER button.
If clock is not automatically set, see page 48 to set the clock.

11 The message Enjoy your watching. is displayed. When you have finished, press the ENTER button.
➢ Even if the ENTER button is not pressed, the message will automatically disappear after several seconds.

Continued...
If you want to reset this feature...

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

2. Press the ENTER button to select Plug & Play. For further details on setting up options, refer to the page 18~19.
   ➢ The Plug & Play feature is only available in the TV and DTV mode.

Changing Channels

Using the Channel Buttons

1. Press the CH or CH button to change channels.
   ➢ When you press the CH or CH button, the TV changes channels in sequence. You will see all the channels that the TV has memorized. (The TV must have memorized at least three channels). You will not see channels that were either erased or not memorized. See page 22 to memorize channels.

Using the Number Buttons

1. 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.

Using the “-” Button

The “-” button is used to select stations that broadcast a digital signal.

1. For example, for Channel 7-1, press 7, then -, then 1.
   ➢ HD indicates the TV is receiving a Digital High Definition signal.
   SD indicates the TV is receiving a Standard Definition signal.
   ➢ For quick channel change, press the number buttons, then press the ENTER button.

Using the PRE-CH Button to select the Previous Channel

Use the number buttons to quickly tune to any channel.

1. 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.
Adjusting the Volume

Using the Volume Buttons
1 Press the VOL + or VOL – button to increase or decrease the volume.

Using the Mute Button
At any time, you can cut off the sound using the MUTE button.
1 Press MUTE and the sound cuts off. The word “Mute” will appear in the lower-left corner of the screen.
2 To turn mute off, press the MUTE button again, or simply press the VOL + or VOL – button.

Viewing the Display

The display identifies the current channel and the status of certain audio-video settings.
1 Press the INFO button on the remote control. The TV will display the channel, the type of sound, and the status of certain picture and sound settings.

Press the INFO button once or wait approximately 10 seconds and it disappears automatically.

Viewing the Menus

1 With the power on, press the MENU button. The main menu appears on the screen. Its left side has five icons: Picture, Sound, Channel, Setup, Input.
2 Use the ▲ or ▼ button to select one of the five icons. Then press the ENTER button to access the icon’s sub-menu.
3 Press the EXIT button to exit.
➢ It takes about one minute until the on-screen menu disappears.
Memorizing the Channels

Your Wireless Home AV Center can memorize and store all of the available channels for both air and cable channels. After the available channels are memorized, use the CH ▲ or CH ▼ button 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 air or a cable system).

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

2. Press the ENTER button select Antenna. Press the ▲ or ▼ button to select Air or Cable, then press the ENTER button.

3. Press the EXIT button to exit.

Storing Channels in Memory (Automatic Method)

1. Press the MENU button to display the menu. 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.

3. Press the ▲ or ▼ button to select the antenna connection, then press the ENTER button.

   ➢ Air: “Air” antenna signal.
   ➢ Cable: “Cable” antenna signal.
   ➢ Air+Cable: “Air” and “Cable” antenna signals.

   ➢ If the antenna is connected to ANT 2 IN (CABLE), select Cable and if it is connected to ANT 1 IN (AIR), select Air.
   ➢ If both ANT 1 IN and ANT 2 IN are connected, select Air + Cable.

   ➢ If you selected Air, then go to step 5.

4. Press the ▲ or ▼ to select the correct analog signal cable system source among STD, HRC, and IRC, then press the ENTER button. If you have Digital cable TV, select the cable system signal source for both Analog and Digital.

   ➢ STD, HRC, and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area. At this point the signal source has been selected.

5. The TV begins memorizing all available stations.

   If you want to stop Auto Programming, press the ENTER button. The Stop Auto Program? message will be displayed. Select Yes by pressing the ◄ or ► button.

Press the EXIT button to exit.

➢ The TV must be connected to antenna/cable in order to receive digital TV signals. Even if a particular channel is deleted from the memory, you can always tune to that channel directly by using the number buttons on the remote control.

➢ All available DTV and analog channels are automatically stored in memory.

➢ It takes approximately 3 to 10 minutes to memorize channels.

You can also press the AUTO PROG. button on the remote control to bring up the Auto Program menu.
Setting Up Your Remote Control

After your remote control has been properly set up, your remote control can operate in five different modes: TV, VCR, Cable, DVD, or Set-Top Box. Pressing the corresponding button on the remote control allows you to switch among these modes, and control whichever piece of equipment you choose.

➢ The remote control might not be compatible with all DVD Players, VCRs, Cable and Set-Top Boxes.

Setting Up the Remote to Operate Your VCR

1  Turn off your VCR.
2  Press the VCR button on your TV’s remote control.
3  Press the SET button on your TV’s remote control.
4  Using the number buttons on your remote control, enter three digits of the VCR code listed on page 25 of this manual for your brand of VCR. Make sure you enter three digits of the code, even if the first digit is a “0”. (If more than one code is listed, try the first one.)
5  Press the POWER button on the remote control. Your VCR should turn on if your remote is set up correctly.

If your VCR 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. If no other codes are listed, try each VCR code, 000 through 080.

Note on Using Remote Control Modes: VCR
When your remote control is in VCR mode, the volume buttons still control your TV’s volume.

Setting Up the Remote to Operate Your Cable Box

1  Turn off your cable box.
2  Press the CABLE button on your TV’s remote control.
3  Press the SET button on your TV’s remote control.
4  Using the number buttons on your remote control, enter three digits of the cable box code listed on page 26 of this manual for your brand of cable box. Make sure you enter three digits of the code, even if the first digit is a “0”. (If more than one code is listed, try the first one.)
5  Press the POWER button on the remote control.
Your cable box should turn on if your remote is set up correctly.

If your cable box 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 cable box. If no other codes are listed, try each code, 000 through 046.

Note on Using Remote Control Modes: Cable Box
When your remote control is in CABLE mode, the volume buttons still control your TV’s volume.

Continued...
Setting Up the Remote to Operate Your DVD

1. Turn off your DVD.
2. Press the DVD button on your TV’s remote control.
3. Press the SET button on your TV’s remote control.
4. Using the number buttons on your remote control, enter three digits of the DVD code listed on page 27 of this manual for your brand of DVD. Make sure you enter three digits of the code, even if the first digit is a “0”. (If more than one code is listed, try the first one.)
5. Press the POWER button on the remote control.
   Your DVD should turn on if your remote is set up correctly.

   If your 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 DVD. If no other codes are listed, try each code, 000 through 141.

Note on Using Remote Control Modes: DVD
When your remote control is in DVD mode, the volume buttons still control your TV’s volume.

Setting Up the Remote to Operate Your Set Top Box

1. Turn off your STB.
2. Press the STB button on your TV’s remote control.
3. Press the SET button on your TV’s remote control.
4. Using the number buttons on your remote control, enter three digits of the STB code listed on page 26 of this manual for your brand of STB. Make sure you enter three digits of the code, even if the first digit is a “0”. (If more than one code is listed, try the first one.)
5. Press the POWER button on the remote control.
   Your STB should turn on if your remote is set up correctly.

   If your STB 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 STB. If no other codes are listed, try each code, 000 through 074.

Note on Using Remote Control Modes: STB
When your remote control is in STB mode, the volume buttons still control your TV’s volume.

Continued...
### Remote Control Codes

#### VCR

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### SAMSUNG SET-TOP BOX

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### SAMSUNG DVD

**Product** | **Code**
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DVD | 000 001 002
DVDR | 003 004
BD Record | 005 006
VCR COMBO | 007 008 009 010 011
VCR Record | 012
DHR COMBO | 013

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### DVD

**Brand** | **Code**
---|---
ANAM | 030
AUDIOVOX | 075
AUDIOLIGIC | 085
ANABA | 072
APEX DIGITAL | 070 071 074 086 083 084 088
AIWA | 111 112
BROKSONIC | 062
BLAUPUNKT | 074
B&K | 122 123
CURTIS MATHES | 027
CYBER HOME | 065 077 078 079 082
CLARION | 080 125
CIRRUS | 081
CINEVISION | 095
DAEWOO | 066
DENON | 146
FARENHEIT | 067 068
FISHER | 090
GPX | 060
GO VIDEO | 061 089 133 135
GE | 069 074
GREENHILL | 074
HITACHI | 064 113
HITKER | 071
HOYO | 073
HARMAN / KARDON | 081 110
IRT | 089
INTEGRA | 092
JBL | 091
JVC | 022 033 115 116
JATON | 073
KENWOOD | 051 108 109
KISS | 073
KONKA | 059 100 106 107
KLH | 074 075
LG (Goldstar) | 025 031
LOEWLE | 057
LASONIC | 058
MOBILE AUTHORITY | 054
MEMOREX | 055
MALATA | 056
MAGNADOX | 076 093
MIITEK | 074 094
MONYKA | 073

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### Product | **Code**
---|---
Home Theater VCR COMBO | 014 015 016
HDD Record COMBO | 017
TWIN TRAY COMBO | 018
STB DVD COMBO | 019
DVD Receiver | 020
AV Receiver | 021

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### Brand | **Code**
---|---
NORCENT | 048 049 050
NEXT BASE | 052
NEC | 053
NANTAUS | 144
NESA | 074
OPTOMEDIA ELECTRONICS | 105
OPTIVIEW | 072
ONKYO | 076 092 119
PHILCO | 044 045
PRINCETON | 046 047
PROSCAN | 023
PANASONIC | 024 034 124 134 136 137 138
PHILIPS | 036 076
ROTEL | 117 118
RIO | 120
RCA | 023 035 074 075 131 132
RAITE | 073
ROWA | 038
SAMPO | 104
SONY | 026 029 126 127 128 129 130 141
SHERWOOD | 039 041
SVA | 042
SYLVANIA | 043 093
SHARP | 140
SANSUI | 062
SANYO | 062
SHINSONIC | 094
SANYO | 090
THOMSON | 145
TOSHIBA | 028 062 076
TECHNICS | 139
TVIEW | 072
TOKAI | 073
TEAC | 096
TECHWOOD | 097
TREDX | 098 099 101
URBAN CONCEPTS | 076
VENTURER | 075
VOCOPRO | 102
YAMAHA | 032 063
YAMAKAWA | 040 073
XWAVE | 103
ZENITH | 076 121
To Select the Source

Use to select TV or other external input sources such as DVD players or Cable Box/Satellite receivers (Set-Top Box) connected to the Wireless Home AV Center. Use to select the input source of your choice.

1. Press the MENU button to display the menu.
   Press the ▲ or ▼ button to select Input, then press the ENTER button.

2. Press the ENTER button to select Source List.
   Press the ▲ or ▼ button to select the signal source, then press the ENTER button.
   ➢ You can choose between the following sets of jacks: AV1, Component1, Component2, HDMI1, or HDMI2 on the Wireless Home AV Center’s rear panel and AV2, S-Video, or HDMI3 on the Wireless Home AV Center’s front panel.
   ➢ HDMI1, HDMI2, or HDMI3 input can only be selected when the external device is turned on and connected via HDMI.
   ➢ You can choose only those external devices that are connected to the Wireless Home AV Center.

You can also press the SOURCE button on the remote control to view an external signal source.

To Edit the Input Source Name

You can name the device connected to the input jacks to make your input source selection easier.

1. Press the MENU button to display the menu.
   Press the ▲ or ▼ button to select Input, then press the ENTER button.
   Press the ▲ or ▼ button to select Edit Name, then press the ENTER button.

2. Press the ▲ or ▼ button to select AV1, AV2, S-Video, Component1, Component2, HDMI1, HDMI2, or HDMI3 input jack, then press the ENTER button.

3. Press the ▲ or ▼ button to select VCR, DVD, D-VHS, Cable STB, HD STB, Satellite STB, PVR STB, AV Receiver, DVD Receiver, Camcorder, DVD Combo, VOD STB, or TV input source, then press the ENTER button.
   Press the EXIT button to exit.
Picture Control

Using Automatic Picture Settings

Your new Plasma TV gives you optimal control over the picture you’re watching. You can change the screen size, improve the image quality, even watch something else without turning off what you’re currently watching. Please be aware that the best picture on this TV will be obtained from High Definition (HD) sources such as Digital cable or DVD players.

Your TV has three automatic picture settings (“Dynamic”, “Standard”, and “Movie”) that are preset at the factory. You can activate either Dynamic, Standard, or Movie by making a selection from the menu.

1. Press the MENU button to display the menu. Press the ENTER button to select Picture.

2. Press the ENTER button to select Mode. Press the ▲ or ▼ button to select the Dynamic, Standard, or Movie picture setting, then press the ENTER button.

   • Choose Dynamic to increase the clarity and sharpness of the picture.
   • Choose Standard for general TV watching mode.
   • Choose Movie when watching movies.

Press the P.MODE button on the remote control to select one of the standard picture settings.

3. Press the ▲ or ▼ button to select Contrast, Brightness, Sharpness, Color, or Tint, then press the ENTER button.

4. Press the ◄ or ► button to decrease or increase the value of a particular item. Press the ENTER button.

   ➢ Each adjusted setting will be stored separately according to its input mode.
   ➢ When you make changes to Contrast, Brightness, Sharpness, Color, or Tint. The OSD color will also be adjusted accordingly.

Continued...
5. Press the ▲ or ▼ button to select Color Tone, then press the ENTER button.

6. Press the ▲ or ▼ button to select Cool2, Cool1, Normal, Warm1, or Warm2, then press the ENTER button.
   ➢ When the picture mode is set to Dynamic or Standard, Warm1 and Warm2 cannot be selected.

Resetting the Picture Settings to the Factory Defaults

7. Press the ▲ or ▼ button to select Reset, then press the ENTER button.
   Press the ▲ or ▼ button to select OK, then press the ENTER button.
   Press the EXIT button to exit.
   ➢ Each picture mode can be reset.

Digital Noise Reduction

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

1. Press the MENU button to display the menu.
   Press the ENTER button to select Picture.

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

3. Press the ▲ or ▼ button to select Off, Low, Medium, High, or Auto, then press the ENTER button.
   Press the EXIT button to exit.
Changing the Screen Size

Occasionally, you may want to change the size of the image on your screen. Your TV comes with six screen size options, each designed to work best with specific types of video input. Your cable box or satellite receiver may have its own set of screen sizes as well.

In general you should view the TV in 16:9 mode as much as possible.

1. Press the MENU button to display the menu. Press the ENTER button to select Picture.
2. Press the ▲ or ▼ button to select Size, then press the ENTER button.
3. Press the ▲ or ▼ button to select the screen format you want. Press the ENTER button.

Press the EXIT button to exit.

- **16:9**: Sets the picture to 16:9 wide mode.
- **Zoom1**: Magnifies the size of the picture on the screen.
- **Zoom2**: Expands the Zoom1 format picture.
- **Wide Fit**: Enlarges the aspect ratio of the picture to fit the entire screen.
- **4:3**: Sets the picture to 4:3 normal mode.
- **Just Scan**: Use this function to see the full image without any cutoff when HDMI/Component (720p/1080i/1080p) or DTV(1080i) signals are input.

Press the P.SIZE button on the remote control to change the picture size.

- Some cable boxes and satellite receivers have their own set of screen sizes, which may differ from the ones above.
- In TV, VIDEO, S-VIDEO, and COMPONENT (480i, 480p) modes, all screen modes can be selected. (16:9 → Zoom1 → Zoom2 → 4:3)
- In COMPONENT (720p, 1080i) or HDMI (720p, 1080i) mode, 16:9, 4:3 and Wide Fit can be selected.
- In Zoom1, Zoom2 and Wide Fit modes, you can move the picture on the screen by pressing the ▲ or ▼ button.
- You can not change the picture size when PIP is set to Double.
- When Double (■■) mode has been set in PIP, the Picture Size cannot be set.
- Wide Fit can be used when watching a Digital HD (High Definition) signal. Wide Fit sets the optimum picture format by expanding it both horizontally and vertically. For example, you can reset the picture in 4:3 format to 16:9. Wide Fit does not support all external devices (DVD, VCR etc.).
Making Detailed Picture Settings

Samsung's new TVs allow you to make even more precise picture settings than previous models. See below to make Detailed picture settings.

1. Press the MENU button to display the menu. Press the ENTER button to select Picture.
2. Press the ▲ or ▼ button to select Detailed Settings, then press the ENTER button.
3. Select the desired Detailed Settings option by pressing the ▲ or ▼ button, then press the ENTER button.
4. When you are satisfied with your setting, press the ENTER button. Press the EXIT button to exit.

When the picture mode is set to Dynamic, Detailed Settings cannot be selected. If DNIe is Off, the Detailed Settings cannot be selected when the Picture mode is in Standard mode.

Black Adjust: Off/Low/Medium/High
You can select the black level on the screen to adjust the screen depth.

Dynamic Contrast: Off/Low/Medium/High
You can adjust the screen contrast so that the optimal contrast is provided.

Gamma: -3 ~ 3
You can adjust the Primary Color (Red, Green Blue) Intensity. Press the ◄ or ► button until you reach the optimal setting.

Color Space: Auto/Wide
Color space is a color matrix composed of red, green, and blue colors. Select your favorite color space and experience the most natural color.
You can set the color reproduction space for the input signal to Auto or Wide.

• Auto: Auto Color Space automatically adjusts to the most natural color tone based on program sources.
• Wide: Wide Color Space offers deep and rich color tone.

White Balance: R-Offset/G-Offset/B-Offset/R-Gain/G-Gain/B-Gain/Reset
You can adjust the color temperature for more natural picture colors.

R-Offset/G-Offset/B-Offset/R-Gain/G-Gain/B-Gain: Changing the adjustment value will refresh the adjusted screen. Select the desired option by pressing the ▲ or ▼ button, then press the ENTER button. Press the ◄ or ► button until you reach the optimal setting.

• R offset: Adjusts the red color darkness.
• G offset: Adjusts the green color darkness.
• B offset: Adjusts the blue color darkness.
• R gain: Adjusts the red color brightness.
• G gain: Adjusts the green color brightness.
• B gain: Adjusts the blue color brightness.
• Reset: The previously adjusted white balance will be reset to the factory defaults.

My Color Control: Pink/Green/Blue/White/Reset
This setting can be adjusted to suit your personal preferences.

Pink/Green/Blue/White: Select the desired color by pressing the ▲ or ▼ button, then press the ENTER button. Press the ◄ or ► button until you reach the optimal setting.

• When using the My Color Control Feature, the current picture remains in movement.

Reset: The previously adjusted colors will be reset to the factory defaults.
**Active Color**

If you turn on this option, the blue and green colors will be more vivid.

1. Press the **MENU** button to display the menu. Press the **ENTER** button to select **Picture**.
2. Press the ▲ or ▼ button to select **Active Color**, then press the **ENTER** button.
3. Press the ▲ or ▼ button to select **Off** or **On**, then press the **ENTER** button. Press the **EXIT** button to exit.

- This function is not available in Standard or Movie mode.

**DNle (Digital Natural Image engine)**

This TV includes the DNle function to provide high visual quality. If you set DNle to on, you can view the screen with the DNle feature activated. If you set the DNle to Demo, you can view the applied DNle and normal pictures on the screen, for demonstration purposes. Using this function, you can view the difference in the visual quality.

1. Press the **MENU** button to display the menu. Press the **ENTER** button to select **Picture**.
2. Press the ▲ or ▼ button to select **DNle**, then press the **ENTER** button.
3. Press the ▲ or ▼ button to select **Off**, **Demo** or **On**, then press the **ENTER** button.

Press the **EXIT** button to exit.

- **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.
- **On**: Switches on the DNle mode.

➤ The DNle function is not supported in the Movie mode.
Selecting the Film Mode

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

1. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Setup, then press the ENTER button.
2. Press the ▲ or ▼ button to select Film Mode, then press the ENTER button.
3. Press the ▲ or ▼ button to select Off or On, then press the ENTER button. Press the EXIT button to exit.

Setting the Blue Screen Mode

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

1. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Setup, then press the ENTER button.
2. Press the ▲ or ▼ button to select Blue Screen, then press the ENTER button.
3. Press the ▲ or ▼ button to select Off or On, then press the ENTER button. Press the EXIT button to exit. ➢ A Blue Screen is displayed when there is no signal from an external device, regardless of the Blue Screen Setting.

Setting the HDMI Black Level

Use this function to adjust the Black Level of the picture while in HDMI mode.

1. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Setup, then press the ENTER button.
2. Press the ▲ or ▼ button to select HDMI Black Level, then press the ENTER button.
3. Press the ▲ or ▼ button to select Normal or Low, then press the ENTER button. Press the EXIT button to exit. ➢ This function is active only when an external device is connected to the Wireless Home AV Center via HDMI.
Viewing Picture-in-Picture

This product has one built-in tuner, which does not allow PIP to function in the same mode. For example, you cannot watch one TV channel in the main screen, and a different one in the PIP screen. Please see ‘PIP Settings’ below for details. You can use the PIP feature to simultaneously watch two video sources. (See page 40 to select the PIP picture sound.)

➢ While the V-Chip is in operation, the PIP function cannot be used. (Refer to page 57)

Activating Picture-in-Picture

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

2. Press the ENTER button again.
   Press the ▲ or ▼ button to select On, then press the ENTER button.
   ➢ If you turn the TV off while watching in PIP mode and turn it on again, the PIP window will disappear.

➢ Press the PIP button on the remote control to activate or deactivate the PIP.

➢ Analog TV signals can be viewed on the PIP screen while viewing the picture from an external source (DVD, Set-top box etc.) connected to the Component 1, 2 and HDMI 1, 2, 3 jacks on the main screen.

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<td>HDMI 1,2,3</td>
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Changing the Size of the PIP Window

3. Press the ▲ or ▼ button to select Size, then press the ENTER button.
   Press the ▲ or ▼ button to select the desired size of the PIP window, then press the ENTER button.
   ➢ If the main picture is in HDMI 1 mode, Size is not available.
   ➢ You may notice that the picture in the PIP window becomes slightly unnatural when you use the main picture to view a game or karaoke.

Continued...
Changing the Position of the PIP Window

4 Press the ▲ or ▼ button to select Position, then press the ENTER button.
   Press the ▲ or ▼ button to select the desired PIP window position, then press
   the ENTER button.
   ➢ In Double Window (lical) and Double Wide (rical) modes, Position cannot
     be selected.
   ➢ If the PIP window is set to Double Window (rical) or Double Wide (rical)
     mode, the screen size or alignment may slightly differ depending on the
     signal type.

Changing the PIP Channel

5 Press the ▲ or ▼ button to select Channel, then press the ENTER button.
   Press the ▲ or ▼ button at the bottom of the remote to select the desired
   channel in the PIP window, then press the ENTER button.
   ➢ MAIN: HDMI 1,2,3 / Component 1,2
   ➢ PIP: TV(Anal)og
   Press the EXIT button to exit.
   Press the PIP CH ▲ and CH ▼ buttons on the remote control to change the PIP
   channel.

Freezing the Current Picture

1 Press the STILL button to freeze a moving picture.
   ➢ Normal sound will still be heard. Press again to cancel.
   ➢ To prevent screen burn-in, this function will automatically cancel after 5
     minutes.
   ➢ While V-Chip is in operation, the Still function cannot be used.
Sound Control

Using Automatic Sound Settings

Your TV has automatic sound settings ("Standard", "Music", "Movie", "Speech", and "Custom") that are preset at the factory. Or you can select "Custom", which automatically recalls your personalized sound settings.

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

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

   • Choose Standard for the standard factory settings.
   • Choose Music when watching music videos or concerts.
   • Choose Movie when watching movies.
   • Choose Speech when watching a show that is mostly dialog (i.e., news).
   • Choose Custom to recall your personalized settings (see Customizing the Sound).

Press the S.MODE button on the remote control to select one of the standard sound settings.

Customizing the Sound

The sound settings can be adjusted to suit your personal preference. (Alternatively, you can use one of the "automatic" settings.)

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

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

3 Press the ◄ or ► button to select a particular frequency to adjust.
   Press the ▲ or ▼ button to increase or decrease the level of the particular frequency, then press the ENTER button.

Press the EXIT button to exit.

➢ • R/L Sound Balance Adjustment: To adjust the sound balance of the R/L speakers.
   • Frequency Adjustment (100Hz, 300Hz, 1KHz, 3KHz, 10KHz): To adjust the level of different frequencies.

➢ If you make any changes to the equalizer settings, the sound mode is automatically switched to the Custom mode.
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 multi channel formats.

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

2. Press the ▲ or ▼ button to select SRS TruSurround XT, then press the ENTER button.

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

Press the SRS button on the remote control to select On or Off.

Choosing a Multi-Channel Sound (MTS) Track - Digital

The digital-TV broadcast 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.

Preferred language

1. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Sound, 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 Preferred Language. Press the ▲ or ▼ button to choose the language (English, Spanish, or French) you want, then press the ENTER button.

Press the EXIT button to exit.

➢ You can only select the language from among the actual languages being broadcast.

Press the MTS button on the remote control to listen to the language other than the preferred language.
Choosing a Multi-Channel Sound (MTS) Track - Analog

Depending on the particular program being broadcast, you can listen to Mono, Stereo or SAP.

Multi-Track Sound

1. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Sound, 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 Multi-Track Sound. Press the ▲ or ▼ button to select a setting you want, then press the ENTER button.

Press the EXIT button to exit.

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

Press the MTS buttons on the remote control to select Mono, Stereo, or SAP.

Automatic Volume Control

Reduces the difference in volume level among broadcasters.

1. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Sound, then press the ENTER button.
2. Press the ▲ or ▼ button to select Auto Volume, then press the ENTER button.
3. Press the ▲ or ▼ button to select Off or On, then press the ENTER button.

Press the EXIT button to exit.

Selecting the Internal Mute

Sound output from the TV speakers is muted. This is useful when you want to listen to audio through your sound system instead of the TV.

1. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Sound, then press the ENTER button.
2. Press the ▲ or ▼ button to select Internal Mute, then press the ENTER button.

Continued...
3 Press the ▲ or ▼ button to select Off or On, then press the ENTER button.
Press the EXIT button to exit.
➢ • When Internal Mute is set to On, Sound menus except Multi-track Options cannot be adjusted.
• The left/right audio outputs and digital audio outputs (Optical) remain enabled.
• The VOL +, VOL - and MUTE buttons do not operate when the Internal Mute is set to On.

<table>
<thead>
<tr>
<th>TV’s Internal Speakers</th>
<th>Audio Out Optical or R/L Out to Sound System</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV</td>
<td>AV, S-Video</td>
</tr>
<tr>
<td>Internal Mute Off</td>
<td>Speaker Output</td>
</tr>
<tr>
<td>Internal Mute On</td>
<td>Mute</td>
</tr>
<tr>
<td>Video No Signal</td>
<td>Mute</td>
</tr>
<tr>
<td>TV</td>
<td>Component, HDMI</td>
</tr>
<tr>
<td></td>
<td>Speaker Output</td>
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<td></td>
<td>Speaker Output</td>
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<tr>
<td></td>
<td>Speaker Output</td>
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<tr>
<td></td>
<td>Sound Output</td>
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<tr>
<td></td>
<td>Sound Output</td>
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<tr>
<td></td>
<td>Sound Output</td>
</tr>
<tr>
<td>AV, S-Video</td>
<td></td>
</tr>
<tr>
<td>Component, HDMI</td>
<td></td>
</tr>
</tbody>
</table>

Listening to the Sound of the Sub (PIP) Picture

When the PIP feature is activated, you can listen to the sound of the sub (PIP) picture.

1 Press the MENU button to display the menu.
Press the ▲ or ▼ button to select Sound, then press the ENTER button.
2 Press the ▲ or ▼ button to select Sound Select, then press the ENTER button.
3 Press the ▲ or ▼ button to select Sub, then press the ENTER button.
Press the EXIT button to exit.
➢ • Main: Used to listen to the sound of the main picture.
• Sub: Used to listen to the sound of the sub picture.
➢ You can select this option when PIP is set to On.
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 output is labeled “Digital Audio Out (Optical)”. After connecting a digital-audio component such as a Home Theater or Receiver, you must specify the matching output format of the Wireless Center.

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

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

• Dolby Digital: Dolby Digital is a digital audio coding technique that reduces the amount of data needed to produce high quality sound. Dolby Digital is used with digital versatile discs (DVDs), high definition television (HDTV), and digital cable and satellite transmissions. It has been selected as the audio standard for digital television (DTV). Dolby Digital provides five full-bandwidth channels, front left, front right, center, surround left, and surround right, for true surround sound quality. A low frequency effect (LFE) channel is included that provides the sound needed for special effects and action sequences in movies. The LFE channel is one-tenth of the bandwidth of the other channels and is sometimes erroneously called the subwoofer channel. This multichannel format is known as 5.1 channel.

• PCM: Digital data that is not compressed. Linear PCM spreads values evenly across the range from highest to lowest, as opposed to nonlinear (compressed) PCM which allocates more values to more important frequency ranges.

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

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

4. Press the EXIT button to exit.

➢ This function is supported only with HD Digital channels received via an antenna connected to the Wireless Home AV Center.

➢ Select PCM when lip sync problems occur with the Wireless Center set to Dolby Digital.

➢ When an external device is connected to the COMPONENT IN or HDMI IN jacks of the Wireless Home AV Center and is operated, the Optical jack on the Wireless Center outputs 2 channel audio only. If you want to hear 5.1 channel audio, connect the DIGITAL AUDIO OUT (OPTICAL) jack on the DVD player or Cable/Satellite Box directly to an Amplifier or Home Theater, not the Wireless Home AV Center.
Channel Control

Selecting the Antenna

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

2. Press the ENTER button to select Antenna.
   Press the ▲ or ▼ button to select Air or Cable, then press the ENTER button.
   Press the EXIT button to exit.

Press the ANTENNA button on the remote control to select Air or Cable.

➢ If the antenna is connected to ANT1 IN(AIR), select Air and if it is connected to ANT2 IN(CABLE), select Cable.

➢ If both ANT1 IN(AIR) and ANT2 IN(CABLE) are connected, select the antenna input you want. If the antenna input is not selected properly, noise may appear on the screen.

Clearing Scrambled Channels - Digital

The Clear Scrambled Channel function is used to filter out scrambled channels after Auto Program is completed. It removes the scrambled channels from the list by tuning the digital cable channels. This process may take up to 20-30 minutes.

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

2. Press the ENTER button to select Antenna.
   Press the ▲ or ▼ button to select Clear Scrambled Channel, then press the ENTER button. It searches scrambled channels, which are to be removed from the list.

   To stop searching scrambled channels
   Press the ▼ button to select Stop, then press the ENTER button.
   Press the ◄ button to select Yes, then press the ENTER button.

3. When the scrambled channel searching is completed, press the ENTER button. Press the EXIT button to exit.
Adding and Erasing Channels

You can add or delete a channel to display the channels you want. To use the Channel List function, first run Auto Program (see page 22).

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

2 Press the ▲ or ▼ button to select Channel List, then press the ENTER button.

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

4 Press the ▲/▼/◄/► buttons to select a channel to add, then press the ENTER button. Press the ▲ or ▼ button to select Add, then press the ENTER button to add the channel. Press the RETURN button to return. ➢ All added channels will be shown in the Added menu.

5 Press the ▲/▼/◄/► buttons to select a channel to delete, then press the ENTER button. Press the ▲ or ▼ button to select Delete, then press the ENTER button to delete the channel. Press the EXIT button to exit.

• P.MODE (RED) button: Press repeatedly to select All, Added, or Favorite.
• S.MODE (GREEN) button: Press to add all channels deleted.
• STILL (YELLOW) button: Press to delete all channels memorized.

Press the ADD/DEL button on the remote control. Press the CH ▲ and CH ▼ button to select the channel to be added or deleted, then press the ENTER button.
Setting Your Favorite Channels

You can set channels you watch frequently as favorites.

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

2. Press the ▲ or ▼ button to select Channel List, then press the ENTER button.

3. Press the ▲ or ▼ button to select All or Added, then press the ENTER button.

4. Press the ▲/▼/◄/► buttons to select a channel as a favorite channel, then press the ENTER button. Press the CH ^ and CH v button to display the next channel list page.

5. Press the ▲ or ▼ button to select Favorite, then press the ENTER button. The “❤” symbol will be highlighted and the channel will be set as a Favorite. To cancel your Favorite channel selection, press the ENTER button until the “❤” symbol disappears. Press the EXIT button to exit.

 ➢ Only memorized channels can be set as favorite channels.
 ➢ All favorite channels will be shown on the Favorite menu.

To select the favorite channels you have set up, press the FAV.CH button on the remote control.
Viewing the Channel Lists

You can display a list of all channels, added channels or your favorite channels.

1 Press the MENU button to display the menu. Press the ▲ or ▼ button to select Channel, then press the ENTER button.
2 Press the ▲ or ▼ button to select Channel List, then press the ENTER button.
3 Press the ▲ or ▼ button to select All, Added or Favorite, then press the ENTER button.

To toggle between your all channels, add channels, or favorite channels, use the P.MODE(RED) button on the remote control.

• P.MODE (RED) button: Press repeatedly to select All, Added, or Favorite.
• STILL (YELLOW) button: Press to delete all channels memorized.

Setting the Default Channel List Mode

You can set All, Added, or Favorite to be the Default List that appears when you press the CH LIST button.

1 Press the MENU button to display the menu. Press the ▲ or ▼ button to select Channel, then press the ENTER button.
2 Press the ▲ or ▼ button to select Channel List, then press the ENTER button.
3 Press the ▲ or ▼ button to select Default List Mode, then press the ENTER button.

➢ Select the Channel list you want to appear when you press the CH LIST button.

• All: Shows All the channels when you press the CH LIST button on the remote control.
• Added: Shows Added channels when you press CH LIST button on the remote control.
• Favorite: Shows Favorite channels when you press CH LIST button on the remote control.

Press the EXIT button to exit.

Press the CH LIST button on the remote control to bring up the Channel List.
Labeling Channels

Channels can be labeled so that their call letters appear whenever the channel is selected.

1. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Channel, then press the ENTER button. Press the ▲ or ▼ button to select Name, then press the ENTER button.

2. Press the ▲ or ▼ button to select the channel to be assigned a new name, then press the ENTER button.

3. Press the ▲ or ▼ button to select a letter, a number or a blank (Results in this sequence: A~Z, 0~9, +, −, *, /, blank). Press the ► button to switch to the next field, which will be selected. Select the second letter or digit by pressing the ▲ or ▼ button, as above. Repeat the process to select the last three digits. When you have finished, press the ENTER button to assign the new name. To erase the assigned new name, select Clear by pressing the ◄ or ► button, then press the ENTER button. Press the EXIT button to exit.

➢ The names of digital broadcasting channels are automatically assigned and thus cannot be assigned by users.

Fine Tuning Analog Channels

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

1. Press the MENU button to display the menu. 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. To reset the fine tuning setting, press the ▼ button to select Reset, then press the ENTER button. Press the EXIT button to exit.

➢ Only analog TV channels can be fine tuned.

➢ “*” will appear next to the number of fine-tuned channels.
Checking the Digital-Signal Strength

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

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

2 Press the ▲ or ▼ button to select Signal Strength, then press the ENTER button. 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.

Press the EXIT button to exit.

You can also press the ENTER button to select OK then press the EXIT button to exit the menu.

LNA (Low Noise Amplifier)

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

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

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

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

➢ If the picture is noisy with the LNA set to On, select Off.
➢ The LNA setting must be made separately for each channel.
Time Setting

Setting the Time

Setting the clock is necessary in order to use the various timer features of the TV. Also, you can check the time while watching the TV. (Just press the INFO button.)

Option 1: Setting the Clock Manually

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

2. Press the ENTER button to select Clock.

3. Press the ENTER button to select Clock Mode. Press the ▲ or ▼ button to select Manual, then press the ENTER button.

4. Press the ▲ or ▼ button to select Clock Set, then press the ENTER button.

5. Press the ◄ or ► button to move to Month, Day, Year, Hour, Minute, or am/pm. Set the date and time you want by pressing the ▲ or ▼ button, then press the ENTER button. Press the EXIT button to exit.

➢ The current time will appear every time you press the INFO button.
➢ You can set the Month, Day, Year, Hour, and Minute directly by pressing the number buttons on the remote control.

Continued...
Option 2: Setting the Clock Automatically

The Clock can be set automatically if you are receiving a digital signal.

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

2 Press the ENTER button to select Clock.

3 Press the ENTER button to select Clock Mode.
   Press the ▲ or ▼ button to select Auto, then press the ENTER button.

4 Press the ▲ or ▼ button to select Time Zone, then press the ENTER button.

5 Press the ▲ or ▼ button to highlight the time zone for your local area, then
   press the ENTER button.

6 Press the ▲ or ▼ button to select DST (Daylight Saving Time), then press the
   ENTER button.
   Press the ▲ or ▼ button to select On or Off, then press the ENTER button.
   Press the EXIT button to exit.
   ➢ Depending on the broadcast station and signal, the auto time may not be set
     correctly. If this occurs, set the time manually.
   ➢ Antenna or Cable must be connected in order to set the time automatically.

Continued...
Setting the On/Off Timer

Use this feature to set the TV to turn on or off at a desired time. You must set the clock first.

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button. Press the ▲ or ▼ button to select **Time**, then press the **ENTER** button.

2. Press the ▲ or ▼ button to select **Timer1**, **Timer2**, or **Timer3**, then press the **ENTER** button. The timer menu is displayed. Press the ▲ or ▼ button to adjust hour, then press the ► button to move to the next step. Set other items using the same method as above.

3. Press the ▲ or ► button to select the desired item below. Press the ▲ or ▼ button to adjust the setting. Press the **EXIT** button to exit.

<table>
<thead>
<tr>
<th>Activate or Inactivate</th>
<th>Press the ▲ or ▼ button</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repeat</td>
<td>Select Once, Everyday, Mon-Fri, Mon-Sat, Sat-Sun. Sets the desired day(s) of the week you want the TV to turn on. Press the ▲ or ▼ button</td>
</tr>
<tr>
<td>Volume</td>
<td>Select the desired turn on volume level. Press the ▲ or ▼ button</td>
</tr>
<tr>
<td>Contents</td>
<td>When the On Timer is active, you can turn on a specific channel or play back contents such as photo or audio files. (Make sure that an USB device is connected to your TV.) Press the ▲ or ▼ button</td>
</tr>
</tbody>
</table>

➤ **Auto Power Off**

When you set the timer **On**, the television will eventually turn off, if no controls are operated for 3 hours after the TV was turned on by timer. This function is only available in timer **On** mode and prevents overheating, which may occur if a TV is on for too long time.

Setting the Sleep Timer

The sleep timer automatically shuts off the TV after a preset time (30, 60, 90, 120, 150 and 180 minutes).

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button. Press the ▲ or ▼ button to select **Time**, then press the **ENTER** button.

2. Press the ▲ or ▼ button to select **Sleep Timer**, then press the **ENTER** button.

3. Press the ▲ or ▼ button to select the minute. Setting the Timer sets the Activation to **On** automatically.

To cancel the set sleep timer: Press the ► button to select Activation. Press the ▲ or ▼ button to select **Off**, then press the **ENTER** button. Press the **EXIT** button to exit.
Function Description

Selecting a Menu Language

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button. Press the ▲ or ▼ button to select **Language**, then press the **ENTER** button.

2. Press the ▲ or ▼ button to select the appropriate language: **English**, **Español**, or **Français**, then press the **ENTER** button. Press the **EXIT** button to exit.
Viewing Closed Captions (On-Screen Text Messages) - Digital

The Digital Captions function operates on digital channels.

1. Press the MENU button to display the menu.
   Press the ▲ or ▼ button to select Setup, 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 submenu (Default, Service1~Service6, CC1~CC4 or Text1~Text4) you want, then press the ENTER button.

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

6. Press the ▲ or ▼ button to select Size, then press the ENTER button.
   Press the ▲ or ▼ button to select the desired caption option, then press the ENTER button.
   Press the ▲ or ▼ button to select the desired sub-menu options (see options below), then press the ENTER button.
   Press the EXIT button to exit.

   ➤ The availability of captions depends on the program being broadcast.
   ➤ Default means to follow the standard set by the broadcaster.
   ➤ Foreground and Background cannot be set to have the same color.
   ➤ Foreground Opacity and Background Opacity cannot be both set to Transparent.

   • Size: This option consists of Default, Small, Standard, and Large. The default is Default.
   • Font Style: This option consists of Default, Style0 ~ Style7. You can change the font you want. The default is Default.
   • 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 Default.
   • 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 Default.
   • Foreground Opacity: This option consists of Default, Transparent, Translucent, Solid, and Flashing. You can change the opacity of the letter.
   • Background Opacity: This option consists of Default, Transparent, Translucent, Solid, and Flashing. You can change the background opacity of the caption.
   • Return to Default: This option sets each of Size, Font Style, Foreground Color, Background Color, Foreground Opacity, and Background Opacity to its default.

Press the CAPTION button on the remote control to select On or Off.
**Viewing Closed Captions (On-Screen Text Messages) - Analog**

The Analog Caption function operates in either analog TV channel mode or external signal mode. (Depending on the broadcasting signal, the Analog Caption function may operate on digital channels.)

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select **Setup**, 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 submenu (CC1~CC4 or Text1~Text4) you want, then press the **ENTER** button. Press the **EXIT** button to exit.

- The default is **Default**.
- **CC1**: The Primary Synchronous Caption Service. These are captions in the primary language 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.
- **CC3**: Secondary Synchronous Caption Service. Alternate program-related caption data, typically second language captions.
- **CC4**: Special Non-Synchronous Use Captions. Similar to CC2.
- **Text1**: First Text Service. This may be various non-program related data.
- **Text2**: Second Text Service. Additional data, usually not program related.
- **Text3/Text4**: Third and Fourth Text Services. These data channels should be used only if Text1 and Text2 are not sufficient.

➢ The Caption feature doesn't work in COMPONENT, HDMI(DVI) modes.

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

You can also press the **CAPTION** button on the remote control to select Captions **On** or **Off**.
Menu Transparency Level

Adjusts the transparency of the menu screen.

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

2. Press the ▲ or ▼ button to select Menu Transparency, then press the ENTER button.

3. Press the ▲ or ▼ button to select level, then press the ENTER button.
   Press the EXIT button to exit.

Setting the Light Effect

You can turn the blue LED on the front of your TV on/off.

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

2. Press the ▲ or ▼ button to select Light Effect, then press the ENTER button.
   Press the ▲ or ▼ button to select Off, In Standby, In Watching TV, or Always, then press the ENTER button.
   Press the EXIT button to exit.

   • Off: The LED is always off.
   • In Standby: The LED lights while in Standby mode and it turns off when your TV is turned on.
   • In Watching TV: The LED lights when watching TV and it turns off when your TV is turned off.
   • Always: The LED is always lit.

➢ Set the Light Effect to Off to reduce power consumption.
Using the Energy Saving Feature

This feature adjusts the power consumption of the unit in order to save energy.

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

2. Press the ▲ or ▼ button to select Energy Saving, then press the ENTER button.
   Press the ▲ or ▼ button to select Off, Low, Medium, or High, then press the ENTER button.
   Press the EXIT button to exit.

   - Off: Switches off the Energy Saving mode.
   - Low: Operates in standard mode.
   - Medium: Enters medium power saving mode.
   - High: Enters maximum power saving mode.

Preventing Screen Burn-in

To reduce the possibility of screen burn, this unit is equipped with screen burn prevention technology. This technology enables you to set picture movement up/down (Vertical Line) and side to side (Horizontal Dot). The Time setting allows you to program the time between movement of the picture in minutes.

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

2. Press the ▲ or ▼ button to select Screen Burn Protection, then press the ENTER button.

3. Press the ENTER button to select Pixel Shift, then press the ENTER button.
   Pressing the ▲ or ▼ button will alternate between On and Off.
   You will also see the items Horizontal Dot, Vertical Line and Time.

   • Pixel Shift: Using this function, you can minutely move pixels on the Plasma TV in horizontal or vertical direction to prevent after-images on the screen.

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

   • Optimum condition for pixel shift:

<table>
<thead>
<tr>
<th></th>
<th>TV/AV1/AV2/S-Video/Component/HDMI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal Dot</td>
<td>2</td>
</tr>
<tr>
<td>Vertical Line</td>
<td>2</td>
</tr>
<tr>
<td>Time (min)</td>
<td>2</td>
</tr>
</tbody>
</table>

   Press the EXIT button to exit.
Reducing the Effects of Screen Burn

If screen burn has occurred, you can select a white screen or scrolling to help remove screen burn artifacts.

1. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Setup, then press the ENTER button.
2. Press the ▲ or ▼ button to select Screen Burn Protection, then press the ENTER button.
3. Press the ▲ or ▼ button to select White, Scrolling, or Side Gray then press the ENTER button. Press the EXIT button to exit.

White
This function removes after-images on the screen by changing the color of pixels to white. Use this function when there are remaining after-images or symbols on the screen especially when you displayed a still image on the screen for a long time.

Scrolling
This function removes after-images on the screen by moving all the pixels on the Plasma TV according to a pattern. Use this function when there are remaining after-images or symbols on the screen especially when you displayed a still image on the screen for a long time.

Side Gray
When you watch TV with the screen ratio of 4:3, the screen is prevented from any damage by adjusting the white balance on both extreme left and right sides. To prevent the screen burn from happening, select Dark or Light.

- Dark: When you set the screen ratio to 4:3, it darkens the left and right sides.
- Light: When you set the screen ratio to 4:3, it brightens the left and right sides.

➢ To remove after-images on the screen, use either the White or Scrolling function. Although both functions remove after-images on the screen, Scrolling is more effective.
➢ The after-image removal function has to be executed for a long time (approximately 1 hour) to effectively remove after-images on the screen. If the after-image is not removed after performing the function, repeat the function again.
➢ Press any key on the remote control to cancel this feature.

Setting the Function Help

Displays help on the menu functions.

1. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Setup, 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 Off or On, then press the ENTER button. Press the EXIT button to exit.
➢ The Function Help default setting is On.
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.

➢ When the V-Chip feature is activated, the PIP features do not function.
➢ V-Chip function is not available in HDMI or component mode.

Setting Up Your Personal ID Number (PIN)

1. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Setup, then press the ENTER button.
2. Press the ▲ or ▼ button to select V-Chip, then press the ENTER button. The message Enter PIN will appear. Enter your 4 digit PIN number.
   ➢ 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. The Change PIN screen will appear. Choose any 4 digits for your PIN and enter them. Re-enter the same 4 digits. When the message PIN is changed successfully, is displayed, your PIN has been memorized. Press the EXIT button to exit.
   ➢ 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 to display the menu. Press the ▲ or ▼ button to select Setup, then press the ENTER button.
2. Press the ▲ or ▼ button to select V-Chip, then press the ENTER button. The message Enter PIN will appear. Enter your 4 digit PIN number.

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

Continued...
How to Set up Restrictions Using “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 to display the menu. Press the ▲ or ▼ button to select Setup, then press the ENTER button.

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

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

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV-Y</td>
<td>All children. The themes and elements in this program are specifically designed for a very young audience, including children from ages two to six.</td>
</tr>
<tr>
<td>TV-Y7</td>
<td>Directed to older children. The themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of seven.</td>
</tr>
<tr>
<td>TV-G</td>
<td>General audience. It contains little or no violence, no strong language, and little or no sexual dialog or situations.</td>
</tr>
<tr>
<td>TV-PG</td>
<td>Parental guidance suggested. This program may contain infrequent coarse language, limited violence, some suggestive sexual dialog and situations.</td>
</tr>
<tr>
<td>TV-14</td>
<td>Parents strongly cautioned. This program may contain sophisticated themes, sexual content, strong language and more intense violence.</td>
</tr>
<tr>
<td>TV-MA</td>
<td>Mature audiences only. This program may contain mature themes, profane language, graphic violence and explicit sexual content.</td>
</tr>
</tbody>
</table>

5 At this point, one of the TV-Ratings is selected. Press the ENTER button. Depending on your existing setup, the “ ” 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.

➢ Allow all: Press to unlock all TV ratings.
➢ Block all: Press to lock all TV ratings.

➢ 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:

<table>
<thead>
<tr>
<th>Sub-rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F:</td>
<td>Fantasy violence.</td>
</tr>
<tr>
<td>S:</td>
<td>Sexual situation.</td>
</tr>
<tr>
<td>L:</td>
<td>Adult language.</td>
</tr>
<tr>
<td>D:</td>
<td>Sexually suggestive dialog.</td>
</tr>
<tr>
<td>V:</td>
<td>Violence.</td>
</tr>
</tbody>
</table>

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

Continued...
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), and press the ENTER button. The “▌” symbol will be displayed for each sub-rating. While “▌” is selected, press the ▶ button to go to a sub rating. Press the ENTER to block the sub rating. To select a different TV-Rating, press the ▲ or ▼ button and then repeat the process.

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

➢ 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.

How to Set up Restrictions Using “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 to display the menu.
Press the ▲ or ▼ button to select Setup, then press the ENTER button.

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

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

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

4 Press the ▲ or ▼ button to select an appropriate restriction.
Press the ENTER button to activate the restriction selected.
The “▌” symbol is indicated. While “▌” is selected, press the ENTER button to block or unblock the category.

Press the EXIT button to exit.

➢ Allow all: Press to unlock all TV ratings.
Block all: Press to lock all TV ratings.

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

➢ 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.

Continued...
How to Set up Restrictions Using “Canadian English” (for Canada Models)

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

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

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

4. Press the ▲ or ▼ button to select an appropriate restriction. Press the ENTER button to activate the restriction selected. The “☆” symbol is indicated.

Press the EXIT button to exit.

➢ Allow all: Press to unlock all TV ratings.
   Block all: Press to lock all TV ratings.

- C: Programming intended for children under age 8.
- C8+: Programming generally considered acceptable for children 8 years and over to watch on their own.
- G: General programming, suitable for all audiences.
- PG: Parental guidance.
- 14+: Programming contains themes or content which may not be suitable for viewers under the age of 14.
- 18+: Adult programming.

➢ The V-Chip will automatically block any category that is “more restrictive”. For example, if you block G category, then PG, 14+ and 18+ will automatically be blocked also.

Continued...
How to Set up Restrictions Using “Canadian French” (for Canada Models)

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

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

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

4. Press the ▲ or ▼ button to select an appropriate restriction. Press the ENTER button to activate the restriction selected. The " ★ " symbol is indicated.

Press the EXIT button to exit.

➢ Allow all: Press to unlock all TV ratings.
➢ Block all: Press to lock all TV ratings.

- **G**: General.
- **8 ans+**: Not recommended for young children.
- **13 ans+**: Programming may not be suitable for children under the age of 13.
- **16 ans+**: Programming is not suitable for children under the age of 16.
- **18 ans+**: Programming restricted to adults.

➢ The V-Chip will automatically block any category that is "more restrictive". For example, if you block 8 ans+ category, then 13 ans+, 16 ans+ and 18 ans+ will automatically be blocked also.

Continued...
Using the V-Chip for Digital channels

Parental restriction information can be used while watching DTV channels.

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

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

3 The V-Chip screen will appear. Press the ▲ or ▼ button to select Downloadable U.S. Rating, then press the ENTER button.
   ➢ If information is not downloaded from the broadcasting station, the Downloadable U.S. Rating menu is deactivated.
   ➢ Parental restriction information is automatically downloaded while watching DTV channels. It may take several seconds.
   ➢ The Downloadable U.S. Rating menu is available for use after information is downloaded from the broadcasting station. However, depending on the information from the broadcasting station, it may not be available for use.

4 Press the ▲ or ▼ button to select an appropriate restriction. Press the ENTER button to activate the restriction selected. The “✓” symbol is indicated. Press the EXIT button to exit.
   ➢ Allow all: Press to unlock all TV ratings.
   ➢ Block all: Press to lock all TV ratings.
   ➢ Parental restriction levels differ depending on the broadcasting station.
   ➢ The default menu name and downloadable US rating changes depending on the downloaded information.
   ➢ Even if you set the on-screen display to your desired language, the Downloadable U.S. Rating menu will appear in English only.
   ➢ The rating will automatically block certain categories that are more restrictive.
   ➢ The rating titles (for example: Humor Level..etc) and TV ratings (for example: DH,MH,H..etc) may differ depending on the broadcasting station.

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 Enter your PIN.
   To resume normal viewing, tune to a different channel using CH ▲ or CH ▼ button. 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”:

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

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

4 Enter your PIN, then press the ENTER button, and press the ▲ or ▼ button to temporarily disable the V-Chip Lock.
   ➢ 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.
Upgrading the Software

Samsung may offer upgrades for firmware of your TV or Wireless Home AV Center in the future. Please contact the Samsung call center at 1-800-SAMSUNG to receive information about downloading upgrades and using a USB drive.

To upgrade the Wireless Home AV Center

1. Insert a USB drive containing the firmware upgrade into the USB Upgrade Port on the front panel of Wireless Home AV Center.
2. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Setup, then press the ENTER button.
3. Press the ▲ or ▼ button to select SW Upgrade, then press the ENTER button.
4. Press the ▲ or ▼ button to select AV Center USB, then press the ENTER button.
   The message Scanning for USB... It may take up to 30 seconds. is displayed.
5. If the firmware on the USB is properly recognized, the message Upgrade version xxxx to version xxxx? The system would be reset after upgrade. is displayed.
   Press the ◄ or ► button to select OK, then press the ENTER button.
   The upgrade starts. Please be careful not to disconnect the power or remove the USB drive while upgrades are being applied.
   The Wireless Home AV Center will shut off and turn on automatically after completing the firmware upgrade.

To upgrade the TV

1. Insert a USB drive containing the firmware upgrade into the SERVICE port on the rear panel of the TV.
2. Press the MENU button to display the menu. Press the ▲ or ▼ button to select Setup, then press the ENTER button.
3. Press the ▲ or ▼ button to select SW Upgrade, then press the ENTER button.
4. Press the ▲ or ▼ button to select TV USB, then press the ENTER button.
   The message Scanning for USB... It may take up to 30 seconds. is displayed.
5. If the firmware on the USB is properly recognized, the message Upgrade version xxxx to version xxxx? The system would be reset after upgrade. is displayed.
   Press the ◄ or ► button to select OK, then press the ENTER button.
   The upgrade starts. Please be careful not to disconnect the power or remove the USB drive while upgrades are being applied. The TV will shut off and turn on automatically after completing the firmware upgrade.

➢ When software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.
Using the WISELINK Function

This function enables you to view and listen to photo (BASELINE, JPEG) and audio files (MP3) saved on a USB Mass Storage Class device.

WISELINK only supports USB Mass Storage Class devices (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers. It does not support USB HDD and HUB.

This product supports USB devices that have only 512byte data block size.

Do not apply excessive force when you insert/eject the memory card or USB device.

Do not place the memory card or USB device near a strong electro-magnetic device.

Do not allow metal substances to come in contact with the terminals on the memory card.

Do not bend, drop or apply strong shock to memory cards or USB devices.

Only alphanumeric characters must be used as a folder name or file name (photo, music). A file name with non-alphanumeric characters is displayed as “???”.

If a filename is too long, the filename is represented as follows: “filename...+.jpg” or “filename...+.mp3”.

The file system supports FAT16/32, not NTFS.

Certain types of USB Digital camera and audio devices may not be compatible with this TV.

Before inserting your memory card or USB device into the Wireless Home AV Center, please back up your files. SAMSUNG is not responsible for any data file damage or data loss.

The data files in memory cards might be erased due to electrostatic discharge (EST), loose contact, or dust.

Some memory devices may not be recognized when the Wireless Home AV Center is turned on and switched to WISELINK Mode. If this occurs, remove and reinstall the memory device in question.

Directly connect the USB device to the USB jack on your Wireless Home AV Center. Compatibility problems may occur when using a USB hub.

We recommended using the sequential JPEG format. If the progressive JPEG mode is used, decoding may fail due to use of too much memory.

When the loading (???) icon is displayed, do not remove the USB device.

PTP (Picture Transfer Protocol) or MTP (Media Transfer Protocol) is not supported on this Wireless Home AV Center.

USB devices that require their own driver CDs may not be recognized. (When a USB device is connected to your PC, Windows searches for an eligible driver for the device. However, if the USB device is not a bulk-only device it cannot be used with the PC.)

Recommended image resolution for Wiselink is 6 mega pixels.

If the horizontal resolution of an image is higher than 5000, it cannot be decoded.

If the vertical resolution of an image is higher than 4000, it cannot be decoded.
Using the WISELINK Mode

1. Press the **MENU** button to display the menu. Press the **ENTER** button to select **Input**. Press the ▲ or ▼ button to select **WISELINK**, then press the **ENTER** button.

2. Press the ▲ or ▼ button to select a corresponding memory device, then press the **ENTER** button. A menu for selecting the Photo or Music files or setup function on a selected memory device will be displayed.
   - The WISELINK menu differs depending on the USB Memory Device connected to TV.

3. Press the ◄ or ► button to select an icon (**Photo**, **Music** or **Setup**), then press the **ENTER** button.
   - To exit WISELINK mode, press the **WISELINK** button on the remote control.
   - Exit the screen by pressing the **WISELINK** button on the remote control, and enter the WISELINK screen again.

Press the **WISELINK** button on the remote control to turn on the WISELINK mode.

Using the Remote Control Button in WISELINK Menu

<table>
<thead>
<tr>
<th>Button</th>
<th>Operations</th>
</tr>
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English - 65
Using the Photo (JPEG) List

You can play back the JPEG files saved on a memory device in various ways.

1. After switching the mode to WISELINK, select the memory device that you have inserted. (Refer to page 65)

2. Press the ◄ or ► button to select Photo, then press the ENTER button. JPEG files and existing folders are displayed.

3. Press the ▲/▼/◄/► buttons to select a file, then press the ENTER button.
   - Pressing the button over a photo icon displays the currently selected photo in full screen. However, JPEG files smaller than 640x480 pixels are zoomed-in at 4 times their original size. (e.g. If a photo’s original size is 200x200 pixels, it is displayed at 800x800 pixels.)
   - Press the INFO button and select View to view a photo image at its original size.
   - Pressing the button over a folder icon shows the JPEG files included in the folder.
   - While a full screen is displayed, ◄ or ► buttons will let you see another photo image in the same folder.
   - Press the PLAY/PAUSE button when a Photo icon is selected to start a Slide Show.

To exit WISELINK mode, press the WISELINK button on the remote control.
- Moving to a photo may take a few seconds because the file needs to be loaded. At this point, the icon will appear.
- This menu shows only the files whose extension is jpeg (or jpg).
- Files with other formats such as gif or tiff will not be displayed.
- Fifteen thumbnail photos are displayed per page.
- The thumbnails are numbered from left to right and from top to bottom, from 1 to 15.
- Folders are displayed first and they are followed by all JPEG files in the current folder. The folders and JPEG files are sorted in alphabetical order.
- If the photo is displayed in full screen, you can zoom in and out or rotate the photo on the screen. (Refer to pages 70~71)
- It takes a while to show JPEG files as thumbnail images.
- WISELINK for this product supports JPEG files up to 8K x 8K pixels. For progressive JPEG files or files whose size exceeds 8MB, the photo will be displayed as a thumbnail only. When trying to view a progressive JPEG file, the message Not supported mode will appear. When trying to view a file exceeding 8MB, the message This file is too large to decode will appear.
- The higher the image resolution advances, the longer the display time takes.
- You cannot decode images beyond a horizontal resolution of 5000.
- You cannot decode images beyond a vertical resolution of 4000.

Press the WISELINK button on the remote control to turn on the WISELINK mode.
Using the Options Menu

Start Slide Show:
Starts a slide show.
(Refer to Viewing a Slide Show on page 68)

Rotate:
You can rotate images in full screen mode.
Images are rotated in the order of 90°, 180°, 270° and 0° (original state).
(Refer to Rotating on page 70)
➤ You cannot save a rotated image.
➤ It may take long time to rotate the large-size file.

Zoom:
You can zoom into images in full screen mode.
Images are zoomed in the order of X2, X4 and X1 (original size).
(Refer to Zooming-In on page 71)
➤ You cannot save a zoomed-in image.
➤ When the JPEG image resolution is greater than the screen size, you cannot use the Zoom function.
➤ The Zoom function is not available for the image files that have the resolution of 1920x1080 or greater.

List:
Displays the stored files, folders and file info.

Continued...
Viewing a Slide Show

1. After switching the mode to WISELINK, select the memory device that you have inserted. (Refer to page 65)

2. Press the ◄ or ► button to select Photo, then press the ENTER button. JPEG files and existing folders are displayed.

3. Press the INFO button to display the option (Start Slide Show, Deselect All).

4. Press the ▲ or ▼ button to select Start Slide Show, then press the ENTER button.
   - The Slide show displays all JPEG files in the selected folder at a preset speed.
   - During the slide show, files are displayed in order from the currently shown file.
   - MP3 files can be automatically played during the slide show if the Default Background Music is set to On. To enable this function, MP3 files and other photo files must be located in the same folder on the memory device.
   - To run the slide show repeatedly, change the setting by referring to page 73.
   - Press the PLAY/PAUSE button when a Photo icon is selected to start a Slide Show.

5. Press the INFO button during the slide show to set the following options (Slide Show Speed, Background Music, Background Music Setting, List).
   - The Pause (Pause) icon is displayed for a while.

6. Press the ▲ or ▼ button to select the option, then press the ENTER button.
   - Press the WISELINK button on the remote control to turn on the WISELINK mode.

Continued...
Using the Menu during a Slide Show

Slide Show Speed:
Select to control the Slide Show Speed. Each time the ENTER button is pressed, the speed changes repeatedly. (Normal → Slow → Fast)

Background Music:
Select to choose whether you want to play MP3 files during a slide show. Each time the ENTER button is pressed, the background music activation changes repeatedly. (On → Off)

Background Music Setting:
While the slide show is in progress, MP3 files and folders under the same directory are displayed. Select a folder using the ▲ or ▼ button and press the ENTER button. The selected folder will be highlighted. Press the RETURN button again to return to the slide show screen. The selected background music is played.

➢ If you turn Off the Background Music, even if the Background Music Settings have been set up, the background music will not be played.

List:
JPEG files and existing folders are displayed. To exit WISELINK mode, press the WISELINK button on the remote control. Press the EXIT button to switch to the WISELINK start screen where another memory card can be selected.

➢ When selecting a photo file, the photo file information is displayed on the Top left of the TV screen, such as the resolution, the size, the date modified and the order of the file in the current directory.

Continued...
Rotating

1. After switching the mode to WISELINK, select the memory device that you have inserted. (Refer to page 65)
2. Press the ◄ or ► button to select Photo, then press the ENTER button. JPEG files and existing folders are displayed.
3. Press the ▲/▼/◄/► buttons to select a file, then press the ENTER button. Pressing the button over a photo icon shows the currently selected photo in full screen.
4. Press the INFO button to display the option (Start Slide Show, Rotate, Zoom, List). Press the ▲ or ▼ button to select Rotate, then press the ENTER button. Press the ▲ or ▼ button to select desired item, then press the ENTER button. (90° → 180° → 270° → 0°)
   ➢ Rotating directly from 90 degrees to 270 degrees is not possible.
   ➢ When rotating a photo, the edge of the photo may not be displayed on the screen.
To exit WISELINK mode, press the WISELINK button on the remote control.
   ➢ The rotated file is not saved.

The Rotating function information icon (Displayed at the top left of the screen).

<table>
<thead>
<tr>
<th>Icon</th>
<th>Current OSD</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>90°</td>
<td>Rotating (90°)</td>
<td>To rotate a photo by 90 degrees</td>
</tr>
<tr>
<td>180°</td>
<td>Rotating (180°)</td>
<td>To rotate a photo by 180 degrees</td>
</tr>
<tr>
<td>270°</td>
<td>Rotating (270°)</td>
<td>To rotate a photo by 270 degrees</td>
</tr>
<tr>
<td>0°</td>
<td>Rotating (0°)</td>
<td>To rotate a photo to its original state.</td>
</tr>
</tbody>
</table>

Press the WISELINK button on the remote control to turn on the WISELINK mode.

Continued...
Zooming-In

1. After switching the mode to WISELINK, select the memory device that you have inserted. (Refer to page 65)

2. Press the ◄ or ► button to select Photo, then press the ENTER button. JPEG files and existing folders are displayed.

3. Press the ▲/▼/◄/► buttons to select a file, then press the ENTER button. Pressing the button over a photo icon shows the currently selected photo in full screen.

4. Press the INFO button to display the option (Start Slide Show, Rotate, Zoom, List). Press the ▲ or ▼ button to select Zoom, then press the ENTER button. Press the ▲ or ▼ button to select desired item, then press the ENTER button. (X1 → X2 → X4)
   • X1: Restore the photo to its original size.
   • X2: Zoom-in to the photo X2.
   • X4: Zoom-in to the photo X4.

   To move the enlarged photo image up/down/left/right, press the ▲/▼/◄/► buttons.

   To exit WISELINK mode, press the WISELINK button on the remote control.

Zoom function information icon (Displayed at the top left of the screen).

<table>
<thead>
<tr>
<th>Icon</th>
<th>Current OSD</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>🔯</td>
<td>Zoom (x1)</td>
<td>Restore a photo to its original size.</td>
</tr>
<tr>
<td>🔯</td>
<td>Zoom (x2)</td>
<td>Zoom-in to a photo x2.</td>
</tr>
<tr>
<td>🔯</td>
<td>Zoom (x4)</td>
<td>Zoom-in to a photo x4.</td>
</tr>
<tr>
<td>🔯</td>
<td></td>
<td>Move the zoomed-in photo up/down/right/left.</td>
</tr>
</tbody>
</table>

Press the WISELINK button on the remote control to turn on the WISELINK mode.
Using the Music (MP3) List

You can play back the MP3 files saved on a memory device in various ways.

1 After switching the mode to WISELINK, select the memory device that you have inserted. (Refer to page 65)

2 Press the ◄ or ► button to select Music, then press the ENTER button. MP3 files and existing folders are displayed.

3 Press the ▲ or ▼ buttons to select a file to be played, then press the ENTER button.
  ➢ Pressing the ENTER button while a music file is highlighted immediately plays the music file.
  ➢ Pressing the ENTER button while a folder is highlighted shows the music files in the folder.
  ➢ To select a file on the next page, press the REW or FF button.

4 To select all files or a file, press the INFO button to display the Music menus. Press the ENTER button to select Play, Repeat Music, or Deselect All.

5 Press the PLAY/PAUSE button while playing an MP3 file to pause the file. Press the STOP button to stop playback.
To exit WISELINK mode, press the WISELINK button on the remote control.
  ➢ This menu shows only the files whose extension is mp3. Files with other extensions are not displayed, even if they have been saved on the same memory device.
  ➢ The selected file is displayed on the top of the screen with its playing time.
  ➢ To adjust the music volume, press the VOL+ or VOL- button on the remote control.
  ➢ FF and REW functions do not work during the play.
  ➢ The playing time of each MP3 file can be found in the file information. When not found, it may be displayed as 00:00:00.

Music function information icon (Displayed at the top left of the screen).

<table>
<thead>
<tr>
<th>Icon</th>
<th>Current OSD</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>🎵</td>
<td>(Music) All Repeat</td>
<td>When all music files in the folder are repeated.</td>
</tr>
<tr>
<td>🎵</td>
<td>(Music) All</td>
<td>When all music files in the folder are played once.</td>
</tr>
<tr>
<td>🎵</td>
<td>(Music) Play/Pause</td>
<td>Pressing PLAY/PAUSE button on the remote control stops music for a while. Pressing this button once more resumes music.</td>
</tr>
<tr>
<td>🎵</td>
<td>(Music) Stop</td>
<td>Music stops by pressing STOP button on the remote control.</td>
</tr>
</tbody>
</table>

Press the WISELINK button on the remote control to turn on the WISELINK mode.
Using the Setup Menu

Setup displays the user settings of the WISELINK menu

1. After switching the mode to WISELINK, select the memory device that you have inserted. (Refer to page 65)

2. Press the ◄ or ► button to select Setup, then press the ENTER button.
   The Setup menu is displayed.

3. Press the ▲ or ▼ button to select an item you want, then press the ENTER button.

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

**Slide Show Speed:**
Select to control the Slide Show Speed.
You can select Fast, Normal or Slow.

**Background Music:**
Select whether to play an MP3 file, or not, during a slide show.
You can select Background Music Off or Music On.

**Background Music Setting:**
While a slide show is in progress, use the Background Music Setting to select a music file to listen to.
Select an MP3 file as the background music.

**Repeat Music:**
- Off: Doesn’t play back repeatedly.
- On: Plays back a music file or all music files repeatedly.

**Screen Saver:**
Select to set the waiting time before the screen saver appears.
The screensaver will appear when no button is pressed for 1, 3 or 5 minutes.

Press the WISELINK button on the remote control to turn on the WISELINK mode.
## Troubleshooting

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

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poor picture quality.</td>
<td>Try another channel. Adjust the antenna. Check all wire connections.</td>
</tr>
<tr>
<td>Poor sound quality.</td>
<td>Try another channel. Adjust the antenna.</td>
</tr>
<tr>
<td>Screen displays distorted or collapsed (as mosaic shapes).</td>
<td>Depending on the installation location of the Wireless Home AV Center and the Plasma TV, the signal may be affected if the communication conditions unstable. See Page 3 WIRELESS HOME AV CENTER installation guide. If the Home AV Center is too close or too far away from PDP TV, communication conditions might be bad. Also ensure there’s no obstacle between PDP TV and Home AV Center. The picture on the screen may be temporarily broken due to the surrounding environment when watching for a long time. The picture may be displayed abnormally while it searches for the optimal wireless communications environment when it is turned on.</td>
</tr>
<tr>
<td>No picture or sound.</td>
<td>Try another channel. Press the SOURCE button. Make sure the TV is plugged in. Check the antenna connections. Make sure the MUTE button is off.</td>
</tr>
<tr>
<td>The TV displays image “Please check Wireless Home AV Center power is on”</td>
<td>Check if Wireless Home AV Center Power is on (blue light should be on), if the problem continues, call a service center.</td>
</tr>
<tr>
<td>No sound or sound is too low at maximum volume.</td>
<td>First, check the volume of units connected to your TV (digital broadcasting receiver, DVD, cable broadcasting receiver, VCR, etc.). Then, adjust the TV volume accordingly.</td>
</tr>
<tr>
<td>Picture rolls vertically.</td>
<td>Check all connections.</td>
</tr>
<tr>
<td>The TV operates erratically.</td>
<td>Unplug the TV for 30 seconds, then try operating it again.</td>
</tr>
<tr>
<td>The TV won’t turn on.</td>
<td>Make sure the wall outlet is working.</td>
</tr>
<tr>
<td>Remote control malfunctions</td>
<td>Replace the remote control batteries. Clean the upper edge of the remote control (transmission window). Check the battery terminals. Press the TV button to put your remote control in the TV mode. Make sure the remote has batteries. Check that the “+” and “-” ends of the batteries are inserted correctly.</td>
</tr>
<tr>
<td>Digital broadcasting screen problem.</td>
<td>Please check the digital signal strength and input antenna.</td>
</tr>
<tr>
<td>The image is too light or too dark.</td>
<td>Adjust the Brightness and Contrast. Adjust the Fine tuning.</td>
</tr>
<tr>
<td>The image is too large or too small.</td>
<td>Adjust the Size settings.</td>
</tr>
<tr>
<td>The visual qualities of digital channels vary.</td>
<td>The visual qualities of digital channels may vary depending on the original production method (analog or digital). If the original production method is digital: High visual quality. If the original production method is analog: The digital program displayed on the screen is originally an analog program which has been converted to digital. The visual quality is of an SD (Standard Definition) grade.</td>
</tr>
<tr>
<td>Screen is black and power indicator light blinks steadily.</td>
<td>The TV is using its power management system. On your equipment check (STB, DVD, etc.); Power and Signal Cable. The TV is using its power management system. Press the Source button on the panel or remote control. Turn the TV off and on.</td>
</tr>
<tr>
<td>Although the TV caption shows HD, the visual quality is not satisfactory.</td>
<td>The HD (High Definition) caption that appears when switching channels or when pressing the Information button on the remote control means the selected channel is a digital channel. If the broadcasting station converts an analog signal into digital and transmits the signal, the visual quality may not be perfect.</td>
</tr>
<tr>
<td>A distorted picture appears in the corner of the screen.</td>
<td>If Just Scan is selected with some external devices, a distorted picture may appear in the corner of the screen. This symptom is caused by external devices, not the TV.</td>
</tr>
<tr>
<td>Contrast changes during wireless connection process.</td>
<td>This is normal operation.</td>
</tr>
<tr>
<td>Game mode is not available.</td>
<td>Wireless communication characteristics cause the video delay to be longer than that of other products. (FPT5094/FPT5894: 280ms, Other Products: 85ms). Due to the video delay, this product does not support Game mode.</td>
</tr>
<tr>
<td>I cannot connect the Wireless Home AV Center and the PDP TV.</td>
<td>Establishing a connection may be delayed when you turn the power on/off using the remote control as finding the optimal wireless communication environment may take some time.</td>
</tr>
</tbody>
</table>
Auto Wall-mount adjustment (Sold separately) (FP-T5094W)

Once the auto wall mount is installed, the position of your TV can be easily adjusted.

Entering the menu

1. Press the ▲, ▼, ◄ or ► button on your remote control.
   ➢ The Wall Mount Adjustment screen is displayed.
   ➢ If the Wall Mount Adjustment screen is not displayed when clicking on a direction button while watching your TV, use the menu to display that screen.
     • Press the MENU button to display the menu. Press the ▲ or ▼ button to select Setup, then press the ENTER button.
     • Press the ▲ or ▼ button to select Wall-Mount Adjustment, then press the ENTER button.

Remembering the Position

2. Adjust to the desired position using the ▲,▼,◄,► buttons.
   ➢ If you press an arrow button when no OSD is displayed on the TV screen, the Adjustment screen appears.
   ➢ Press the INFO button to reset. Press the ▲ or ▼ button to select Yes, then press the ENTER button. The position is initialized to the default setting.

3. Press the Blue button.
   Press the ▲ and ▼ buttons to select a save mode from either Position1, Position2 or Position3 in order to save the current position.
   ➢ To not save the current position, press the RETURN button.
   ➢ When selecting a save mode, you cannot use the Color buttons.

4. Press the ENTER button to save.
   ➢ When Position1 is selected, the message Current position saved as Position1 is displayed.

5. Press the ENTER button.
   ➢ The saved Position appears on the left side of the OSD.

Moving to the remembered position

1. Complete Step 1 of Entering the menu.
2. Pressing a Color (Red, Green, Yellow) button moves the auto wall mount to the saved position.
   ➢ You can move the wall mount to one of the 3 pre-set positions by pressing the Red (Position 1), Green (Position 2) or Yellow (Position 3) buttons.
   ➢ If you adjust the position after moving to a pre-set position, the position display will disappear.

   ➢ For installation, refer to the Installation Manual provided with the wall mount.
   ➢ For product installation and the installation and moving of the wall mount, make sure to consult a specialized installation company.
   ➢ This installation manual is to be used when attaching the wall mount to a wall. When attaching to other building materials, please contact your nearest dealer.
   ➢ The auto wall mount will not work when Anynet+ is operating.
### Wall Mount Kit Specifications (VESA)

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If installed on a ceiling or slanted wall, it may fall and result in severe personal injury.

![Wall Mount Kit Diagram](image)

<table>
<thead>
<tr>
<th>Product Family</th>
<th>inches</th>
<th>VESA Spec. (A * B)</th>
<th>Standard Screw</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LCD-TV</strong></td>
<td>23 ~ 26</td>
<td>200 * 100</td>
<td>M4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>32 ~ 40</td>
<td>200 * 200</td>
<td>M6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>46 ~ 52</td>
<td>600 * 400</td>
<td>M8</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>57</td>
<td>700 * 400 (No VESA)</td>
<td>M8</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>57 ~ 70</td>
<td>800 * 400</td>
<td>M8</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>80 ~</td>
<td>1400 * 800</td>
<td>M8</td>
<td>4</td>
</tr>
<tr>
<td><strong>Plasma TV</strong></td>
<td>42 ~ 58</td>
<td>600 * 400</td>
<td>M8</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>70</td>
<td>800 * 400</td>
<td>M8</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>63</td>
<td>No VESA</td>
<td>M8</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>80 ~</td>
<td>1400 * 800</td>
<td>M8</td>
<td>4</td>
</tr>
</tbody>
</table>

- We provided the standard dimensions for wall mount kits as shown in the table above.
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws longer than the standard dimension, as they may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on their specifications.
- Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use fasten the screws too strongly, this may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Our 57" and 63" models do not comply with VESA Specifications. Therefore, you should use our dedicated wall mount kit for this model.
- Do not exceed 15 degrees tilt when mounting this TV.

⚠️ Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.
How to attach the Stand-Base

Using the screws for securing the stand base and the monitor, firmly attach the monitor to the stand base.
(The exterior of the set may be different from the picture.)

FP-T5094W  FP-T5894W

Warning
Firmly secure the stand to the TV before moving it, as the stand may fall and could cause serious injury.
➢ Two or more people should carry the TV. Never lay the TV on the floor because of possible damage to the screen. Always store the TV upright.

Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>FP-T5094W</th>
<th>FP-T5894W</th>
<th>Wireless Home AV Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen Size (Diagonal)</td>
<td>50 inches</td>
<td>58 inches</td>
<td>–</td>
</tr>
<tr>
<td>Sound (Output)</td>
<td>15W + 15W</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Dimension (W x H x D)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Body</td>
<td>50.8 X 29.1 X 3.7 inches (1289.3 X 739.2 X 94.7 mm)</td>
<td>57.7 X 33 X 3.9 inches (1465.1 X 838 X 99.7 mm)</td>
<td>16.93 x 10.57 x 25.2 inches (430.0 X 268.5 X 640.1 mm)</td>
</tr>
<tr>
<td>With stand</td>
<td>50.8 X 31.7 X 12.6 inches (1289.3 X 804 X 319.9 mm)</td>
<td>57.7 X 35.6 X 13.6 inches (1465.1 X 904.7 X 344.7 mm)</td>
<td>–</td>
</tr>
<tr>
<td>Weight</td>
<td>98.8 lbs (44.8 kg)</td>
<td>130.1 lbs (59.0 kg)</td>
<td>6.8 lbs (3.1 kg)</td>
</tr>
<tr>
<td>Body</td>
<td>106.9 lbs (48.5 kg)</td>
<td>141.1 lbs (64.0 kg)</td>
<td>–</td>
</tr>
</tbody>
</table>

Environmental Considerations

| Operating Temperature | 50 °F to 104 °F (10 °C to 40 °C) |
| Operating Humidity | 10% to 80%, non-condensing |
| Storage Temperature | -4 °F to 113 °F (-20 °C to 45 °C) |
| Storage Humidity | 5% to 95%, non-condensing |

➢ This device is a Class B digital apparatus.
➢ Design and specifications are subject to change without prior notice.
➢ For the power supply and Power Consumption, refer to the label attached to the product.

Stand Swivel (Left / Right)

-20° ~ 20°
Dimensions (FP-T5094W)

TOP VIEW

FRONT VIEW

JACK PANEL DETAIL 2.3"H x 18.8"W @ 5.8" UP FROM BOTTOM

SIDE VIEW

REAR VIEW

NOTE: All drawings not necessarily to scale. Some dimensions are subject to change without prior noticewithout prior notice. Refer to dimensional on each unit prior to performing.

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Pour toute question ou commentaire se rapportant aux produits Samsung, veuillez communiquer avec le centre de service à la clientèle SAMSUNG.

Contacte con SAMSUNG WORLD-WIDE
Si tiene alguna pregunta o comentario referente a nuestros productos, por favor contacte con nuestro Servicio de Atención al Cliente.

<table>
<thead>
<tr>
<th>Country</th>
<th>Customer Care Center</th>
<th>Web Site</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Samsung Electronique Canada Inc., Service à la Clientèle 55 Standish Court Mississauga, Ontario L5R 4B2 Canada</td>
</tr>
</tbody>
</table>