SAMSUNG

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Caso tenha dúvidas ou comentários sobre os produtos da Samsung,
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Country	Customer Care Center ☎	Web Site
ARGENTINE	0800-333-3733	www.samsung.com/ar
BRAZIL	0800-124-421	www.samsung.com/br
CHILE	800-726-7864 (SAMSUNG)	www.samsung.com/cl
COSTA RICA	0-800-507-7267	www.samsung.com/latin
ECUADOR	1-800-10-7267	www.samsung.com/latin
EL SALVADOR	800-6225	www.samsung.com/latin
GUATEMALA	1-800-299-0013	www.samsung.com/latin
JAMAICA	1-800-234-7267	www.samsung.com/latin
MEXICO	01-800-SAMSUNG (7267864)	www.samsung.com/mx
PANAMA	800-7267	www.samsung.com/latin
PUERTO RICO	1-800-682-3180	www.samsung.com/latin
REP. DOMINICA	1-800-751-2676	www.samsung.com/latin
TRINIDAD & TOBAGO	1-800-7267-864	www.samsung.com/latin
VENEZUELA	1-800-100-5303	www.samsung.com/latin

BN68-01023A-00

SAMSUNG

LN26R51B
LN32R51B
LN40R51B

TFT-LCD TELEVISION

Owner's Instructions

This device is a Class B digital apparatus.
Register your product at www.samsung.com/global/register

Precautions When Displaying a Still Image

A still image may cause permanent damage to the TV screen.
- Do not display a still image on the LCD panel for more than 2 hours as it can cause screen image retention.
  This image retention is also known as "screen burn".
  To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.

- Watching the LCD 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 a similar effect to the screen.
  Damages caused by the above effect are not covered by the Warranty.

- Displaying still images from Video games and PC 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.

Precauciones al mostrar en la pantalla una imagen fija

La imagen fija puede causar daños permanentes en la pantalla del televisor.
- No deje una imagen fija en la pantalla LCD durante más de dos horas ya que se podría producir una retención de la imagen en la pantalla. Este fenómeno de retención de imágenes también se denomina "quemadura de pantalla".
  Para evitar que se produzca esa persistencia de la imagen, reduzca el nivel de luminosidad y de contraste de la pantalla cuando muestre imágenes fijas.

- uso del televisor LCD en formato 4:3 durante un tiempo prolongado puede dejar rastros de bordes en las rtes izquierda, derecha y central de la pantalla debido a las diferencias en la emisión lumínica de la pantalla. reproducción de un DVD o el uso de una consola de videojuegos pueden provocar un efecto similar en la pantalla. La garantía no cubre estos daños.

- Ver imágenes fijas de videojuegos y PC durante más tiempo del indicado puede producir restos de imágenes parciales.
  Para evitar este efecto, reduzca el 'brillo' y el 'contraste' cuando vea imágenes fijas.

Precauções ao exibir uma imagem estática

Uma imagem estática pode causar dano permanente em uma tela de TV.
- Não exiba uma imagem estática no painel LCD por mais de 2 horas, pois isso poderá causar retenção de imagem na tela.
  Essa retenção de imagem também é conhecida como "queima da tela".
  Para evitar essa retenção de imagem, reduza o grau de brilho e de contraste da tela ao exibir uma imagem estática.

- O fato de assistir a TV LCD no formato 4:3 por um longo período de tempo pode deixar traços de bordas exibidos nas partes esquerda, direita e central da tela, causados pela diferença da emissão de luz na tela. A utilização de um DVD ou de um console de jogo pode causar um efeito similar na tela.
  Danos provocados pelo efeito acima não são cobertos pela Garantia.

- A exibição de imagens estáticas de Video games e PC por mais tempo que um determinado período pode produzir pós-imagens parciais. Para evitar esse efeito, reduza o 'brilho' e o 'contraste' ao exibir imagens estáticas.

List of Features

- Excellent Picture Quality
  - DNIe technology provides life-like clear images.
  - My Color Control: Colors can be set to your preference by adjusting pink, blue and green.
  - Dynamic Contrast: Automatically detects the input visual signal and adjusts to create optimum contrast.
  - Brightness Sensor: Adjusts the screen brightness automatically depending on the brightness of the surrounding environment.

- SRS TruSurround XT
  - SRS TruSurround XT provides a virtual Dolby surround system.

- Convenience
  - The TV utilizes the HDMI system to implement perfect digital sound and picture quality.
  - The Anynet system enables you to easily control Samsung audio-video (AV) devices from this TV.

List of Parts

Please make sure the following items are included with your LCD TV.
If any items are missing, contact your dealer.

Remote Control & Batteries (AAA x 2)	Power Cord	Anynet Cable
Cleaning Cloth	Owner's Instructions	Anynet AV Owner's Instructions
M4 X L16 Stand Screw x 4	Cover-Bottom	Stand
		Antenna Adaptor (Argentian only)
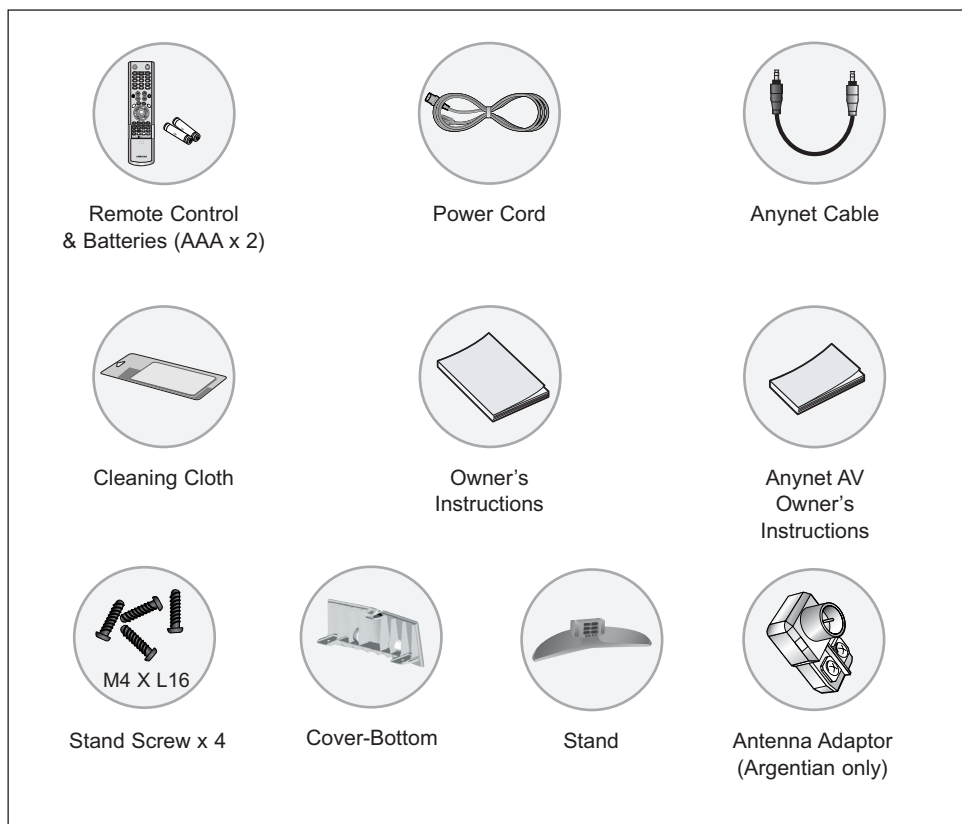
Familiarizing Yourself with Your New TV

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.
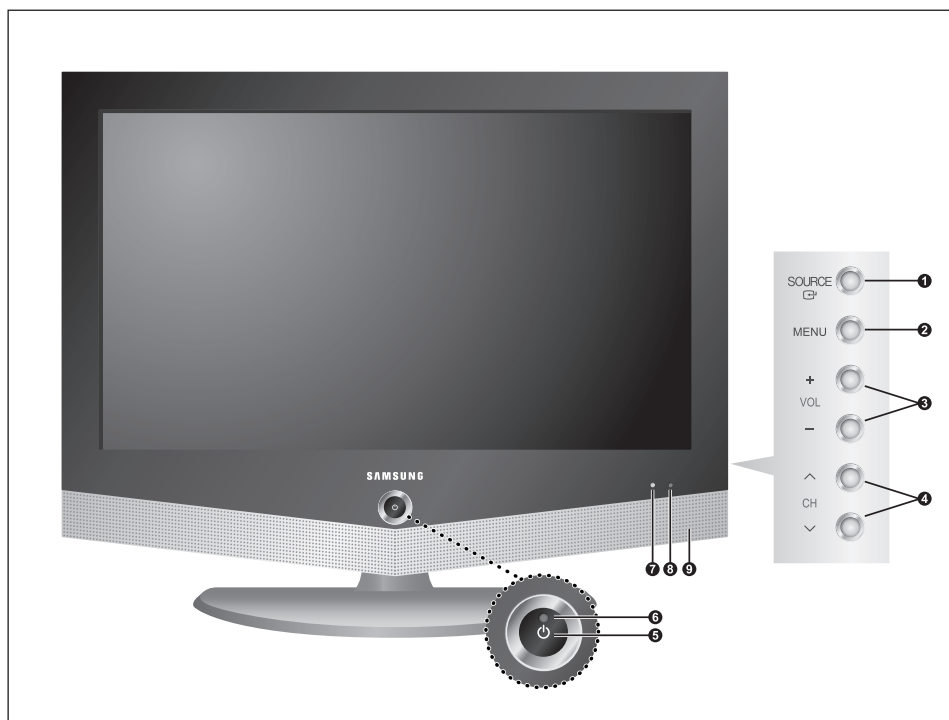
❶ **SOURCE** ⊡
   Displays a menu of all of the available input sources (TV, AV1, AV2, S-Video, Component 1, Component 2, PC, HDMI). In the on-screen menu, use this button as you use the **ENTER** ⊡ button on the remote control.

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

❸ **− VOL +**
   Press to decrease or increase the volume. In the on-screen menu, use the − VOL + buttons as you use the ◀ and ▶ buttons on the remote control.

❹ **∨ CH ∧**
   Press to change channels. In the on-screen menu, use the ∨ CH ∧ buttons as you use the ▾ and ▴ buttons on the remote control. (Without the Remote Control, You can turn on TV by using the Channel buttons.)

❺ ⏻ **(POWER)**
   Press to turn the TV on and off.

❻ **POWER INDICATOR**
   Blinks and turns off when the power is on and lights up in stand-by mode.

❼ **LIGHT DETECTING SENSOR**
   Adjusts the brightness of the screen automatically by detecting brightness of the surrounding environment. This sensor works when the Brightness Sensor is on.

❽ **REMOTE CONTROL SENSOR**
   Aim the remote control towards this spot on the TV.

❾ **SPEAKERS**

Rear Panel Jacks

Use the rear panel jacks to connect an A/V component that will be connected continuously such as a VCR or a DVD player.

For more information on connecting equipment, see pages 7-18.
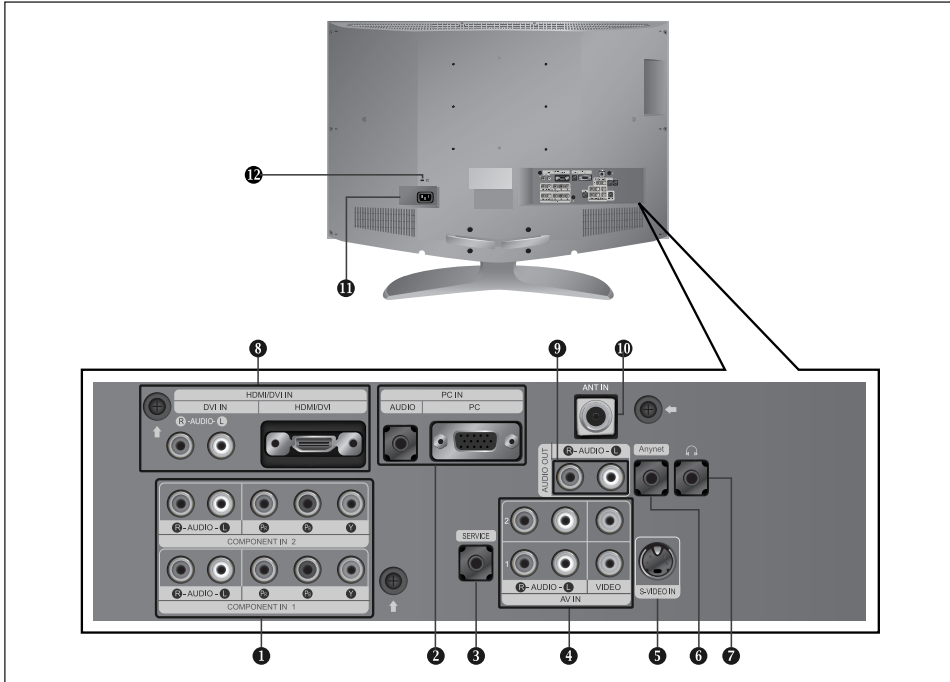
❶ **COMPONENT IN 1, 2**
Connect component video/audio from a DVD/Set-top box.

❷ **PC IN**
Connect to the video and audio output jack on your PC.

❸ **SERVICE**
Connector for service only.

❹ **AV IN**
Video and audio inputs for external devices, such as a camcorder or VCR.

❺ **S-VIDEO IN**
Video inputs for external devices with an S-Video output, such as a camcorder or VCR.

❻ **Anynet**
Refer to "Anynet AV Owner's Instructions".

❼ **HEADPHONE JACK**
Connect a set of external headphones for private listening.

❽ **HDMI/DVI IN**
Connect to the HDMI jack of a device with HDMI output.
Use the HDMI/DVI terminal for DVI connection to an external device. You should use the DVI-to-HDMI cable or DVI-HDMI Adapter for the connection, and the 'R -AUDIO -L' terminal on DVI-IN for sound output.
(HDMI/DVI IN terminal does not support PC.)

❾ **AUDIO OUT**
Connect to the audio input jack on your amplifier.

❿ **ANT IN**
Connect to an antenna or to a cable TV system.

⓫ **POWER INPUT**
Connect the supplied power cord.

⓬ **KENSINGTON LOCK**
Refer to "Using the Anti-Theft Kensington Lock" on page 71.

	Speaker			Audio Out		
	RF	AV, S-Video	Component, PC, HDMI	RF	AV, S-VIDEO	Component, PC, HDMI
Internal Mute Off	Speaker Output	Speaker Output	Speaker Output	Sound Output	Sound Output	Sound Output
Internal Mute On	Mute	Mute	Mute	Sound Output	Sound Output	Sound Output
Video No Signal	Mute	Mute	Mute	Mute	Sound Output	Sound Output

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.
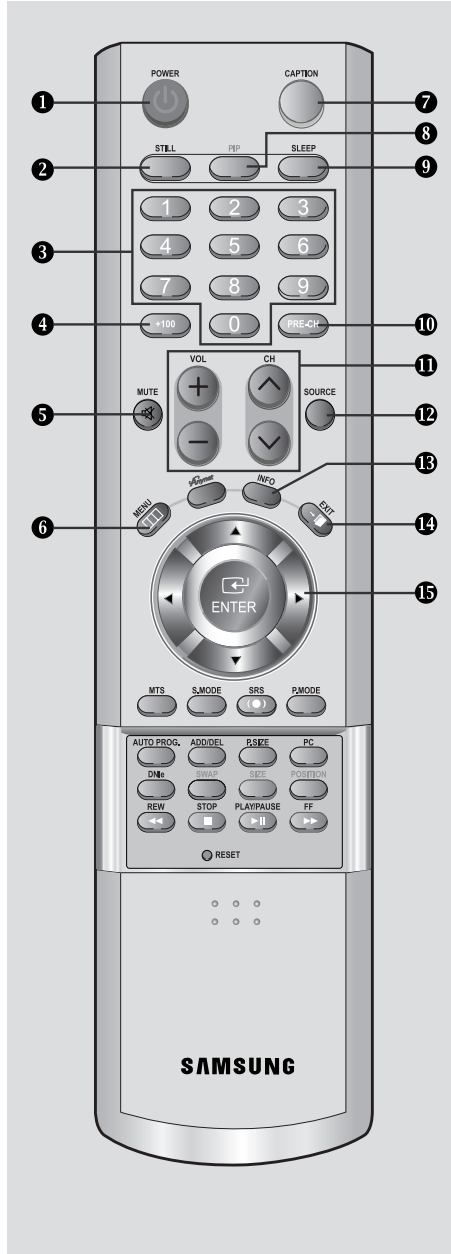
❶ POWER⏻
Turns the TV on and off. (See page 19)

❷ STILL
Press to stop the action during a particular scene.
Press again to resume normal video. (See page 34)

❸ NUMBER BUTTONS
Press to change the channel.

❹ +100
Press to select channels over 100. For example,
to select channel 121, press "+100", then press "2"
and "1". (See page 19)

❺ MUTE
Press to temporarily cut off the sound. (See page 20)

❻ MENU ▥
Displays the main on-screen menu. (See page 21)

❼ CAPTION
Controls the caption decoder. (See page 63)

❽ PIP
Picture-in-Picture ON/OFF. (See page 40)

❾ SLEEP
Press to select a time for the TV to turn off
automatically. (See page 57)

❿ PRE-CH
Tunes to the previous channel. (See page 19)

⓫ CH∧ and CH∨ (Channel UP/Down)
Press CH∧ or CH∨ to change channels.
(See page 19)

VOL + and VOL -
Press to increase or decrease the volume.
(See page 20)

⓬ SOURCE
Press to display all of the available video sources.
(See page 27)

⓭ INFO
Use to see information on the current broadcast.
(See page 21)

⓮ EXIT
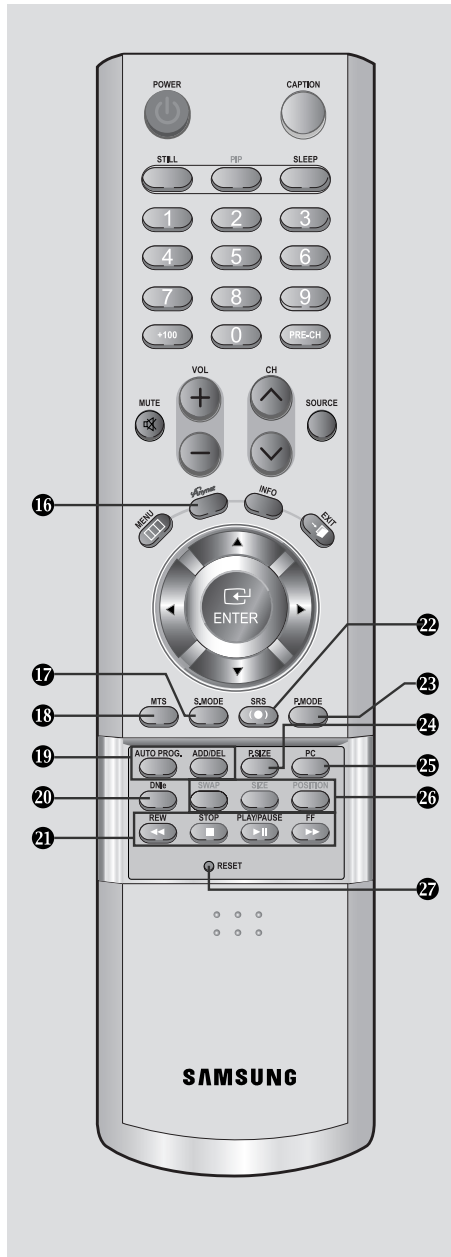Press to exit the menu.

⓯ UP / DOWN / LEFT / RIGHT / ENTER
Use to select on-screen menu items and change menu
values.

⑯ **Anynet**

Press the Anynet button to bring up the Anynet menu.
(Refer to "Anynet AV Owner's Instructions".)

⑰ **S.MODE**

Adjusts the TV sound by selecting one of the preset
factory settings (or selects your personal, customized
sound settings). (See page 43)

⑱ **MTS**

(Multi channel Television Stereo)
Press to choose stereo, mono or Separate Audio
Program (SAP broadcast). (See page 46)

⑲ **AUTO PROG.**

Press to automatically store selected TV/Cable channels.
(See page 25)

ADD/DEL

Use to store and delete channels to/from memory.
(See page 26)

⑳ **DNIe**

DNIe Demo On/Off.
Off : DNIe Demo mode is deactivated.
On : The right-hand side of the screen shows the improved
        DNIe image.
        The left-hand side of the screen shows the original
        image.(See page 35)

㉑ **VCR/DVD Functions (Anynet mode only)**

- Rewind   - Stop
- Play/Pause   - Fast Forward

㉒ **SRS**

Selects TruSurround XT mode. (See page 45)

㉓ **P.MODE**

Adjusts the TV picture by selecting one of the preset
factory settings. (See page 29)

㉔ **P.SIZE**

Press to change the screen size. (See page 33)

㉕ **PC**

Press to switch to the PC mode. (See pages 52~55)

㉖ **SWAP**

Press to interchange the main picture and the sub (PIP)
picture. (See page 41)

SIZE

Press to make the PIP window small, double1, double2.
(See page 42)

POSITION

Press to select the position of sub (PIP) picture.
(See page 42)

㉗ **RESET**

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

Installing Batteries in the Remote Control

1

Slide the cover out
completely.
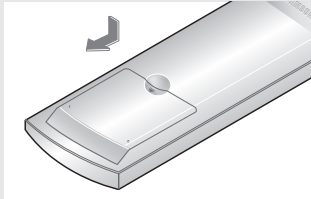
2

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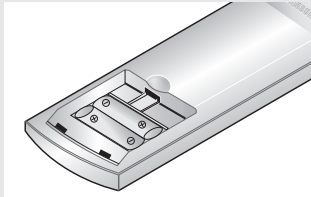
◀ Make sure to match the "**+**" and
"**−**" ends of the batteries with the
diagram inside the compartment.

3

Replace the cover.
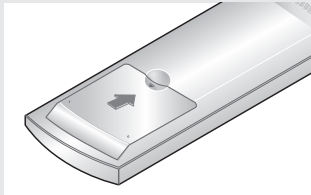
◀ Remove the batteries and store them
in a cool, dry place if you won't be
using the remote control for a long
time.

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 outage, or is the power cord unplugged?

5. Is there a special fluorescent light or a neon sign nearby?

Connecting VHF and UHF Antennas

If your antenna has a set of leads that look like this, see "Antennas with 300-ohm Flat Twin Leads" below.
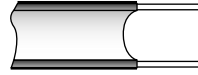
If your antenna has one lead that looks like this, see "Antennas with 75-ohm Round Leads" on the next page.

If you have two antennas, see "Separate VHF and UHF Antennas" on the next page.

Antennas with 300-ohm Flat Twin Leads (Argentina only)

- Not available in all locations.

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

1

Place the wires from the twin leads under the screws on a 300-75 ohm adapter (not supplied).
Use a screwdriver to tighten the screws.
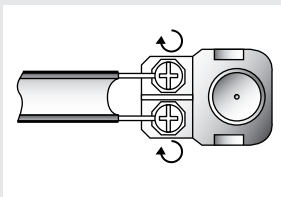
2

Plug the adapter into the ANT IN terminal on the back of the TV.
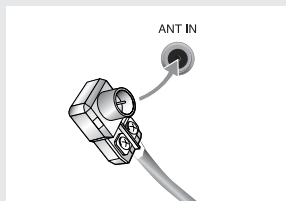
Antennas with 75-ohm Round Leads

1

Plug the antenna lead into the ANT IN terminal on the back of the TV.

ANT IN
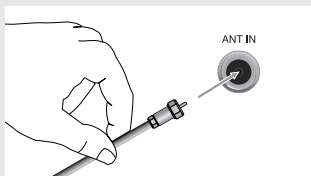
Separate VHF and UHF Antennas

If you have two separate antennas for your TV (one VHF and one UHF), you must combine the two antenna signals before connecting the antennas to the TV. This procedure requires an optional combiner-adapter (available at most electronics shops).

1

Connect both antenna leads to the combiner.

UHF
VHF
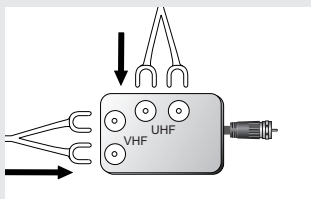
2

Plug the combiner into the ANT IN terminal on the back of the TV.

UHF
VHF
ANT IN
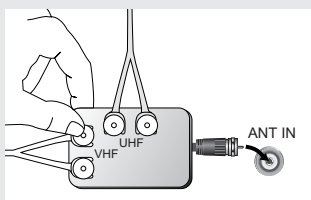
Connecting Cable TV

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

Cable without a Cable Box

1

Plug the incoming cable into the ANT IN terminal on back of the TV.

ANT IN
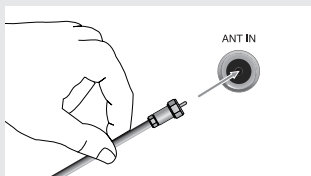
◀ Because this TV is cable-ready, you do not need a cable box to view unscrambled cable channels.

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.
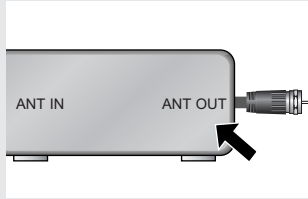
ANT IN   ANT OUT

◀ This terminal might be labeled "ANT OUT", "VHF OUT" or simply, "OUT".

2

Connect the other end of this cable to the ANT IN terminal on the back of the TV.

ANT IN
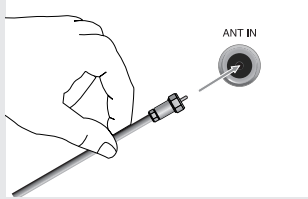
Connecting to a Cable Box that Descrambles Some Channels

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 RF 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.
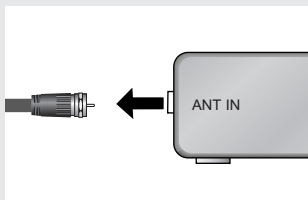
ANT IN

◀ This terminal might be labeled "ANT IN", "VHF IN" or simply, "IN".

2

Connect this cable to a two-way splitter.

Incoming cable

Splitter

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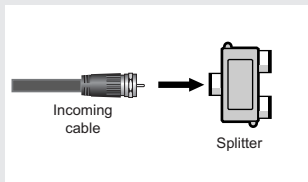
Connect an RF cable between an OUTPUT terminal on the splitter and the IN terminal on the cable box.

Incoming cable

Splitter

IN   CABLE   OUT
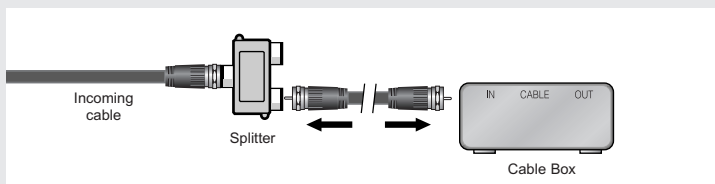
Cable Box

4

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

Incoming cable

Splitter

IN   CABLE   OUT

Cable Box

A
B
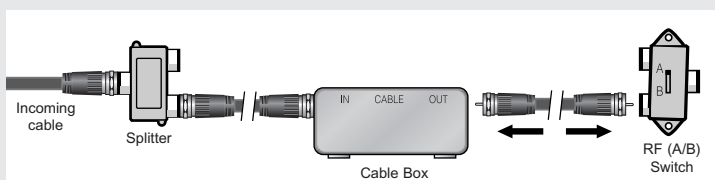
RF (A/B) Switch

5

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

Incoming cable

Splitter

IN   CABLE   OUT

Cable Box

A
B
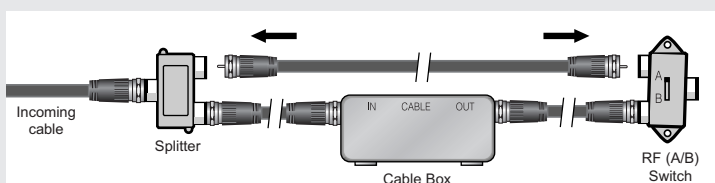
RF (A/B) Switch

6

Connect the last RF cable between the OUT terminal on the RF (A/B) switch and the ANT IN terminal on the rear of the TV.

Incoming cable

Splitter

IN   CABLE   OUT

Cable Box

A
B

RF (A/B) Switch

ANT IN

TV Rear
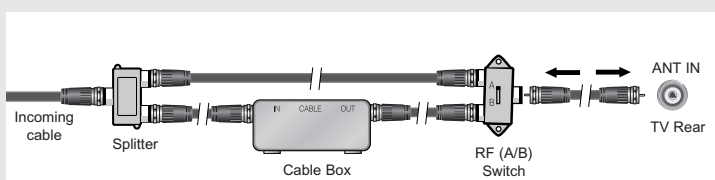
After you've made this connection, set the A/B switch to the "A" position for normal viewing. Set the A/B switch to the "B" position to view scrambled channels. (When you set the A/B switch to "B", you will need to tune your TV to the cable box's output channel, which is usually channel 3 or 4.)

Connecting a VCR

These instructions assume that you have already connected your TV to an antenna or a cable TV system (according to the instructions on pages 7-10).

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 TV.
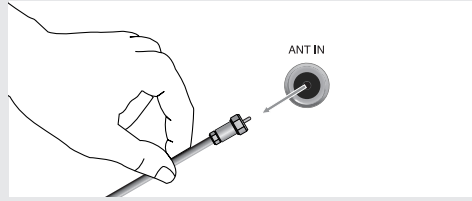
2

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

3
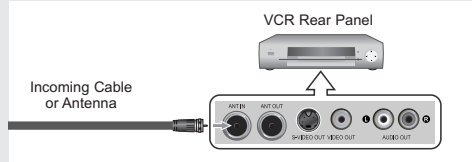
Connect an RF cable between the ANT OUT terminal on the VCR and the ANT IN terminal on the TV.
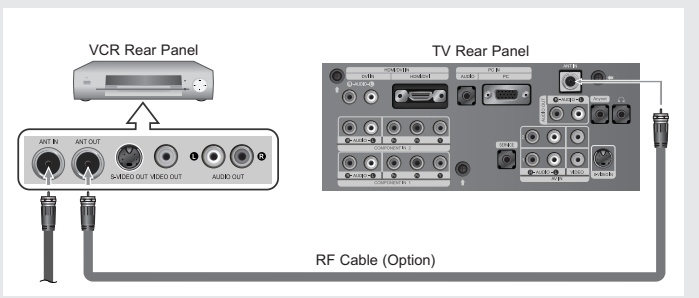
4

Connect an audio cable between the AUDIO OUT jacks on the VCR and the AV IN [R-AUDIO-L] jacks on the TV.
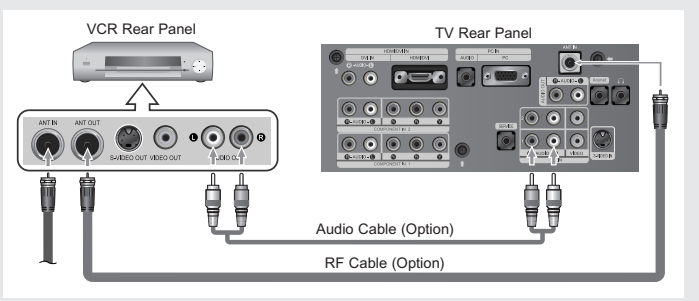
If you have a "mono" (non-stereo) VCR, use the Y-connector (not supplied) to hook up to the left and right audio input jacks of the TV.

5

Connect a video cable between the VIDEO OUT jack on the VCR and the AV IN [VIDEO] jack on the TV.
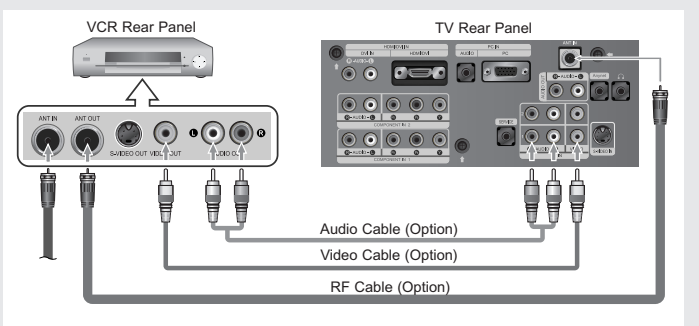
Follow the instructions in "Viewing a VCR or Camcorder Tape" to view your VCR tape.

∗ Each external input source device has a different back panel configuration.

* When connecting an external device, match the color of the connection terminal to the cable.

Connecting an S-VHS VCR

Your Samsung TV can be connected to an S-Video signal from an S-VHS VCR. (This connection delivers a better picture as compared to a standard VHS VCR.)

1

To begin, follow steps 1–3 in the previous section to connect the antenna or cable to your VCR and your TV.

VCR Rear Panel

TV Rear Panel

RF Cable (Option)

2

Connect an audio cable between the AUDIO OUT jacks on the VCR and the AV IN [R-AUDIO-L] jacks on the TV.

VCR Rear Panel

TV Rear Panel

Audio Cable (Option)

RF Cable (Option)
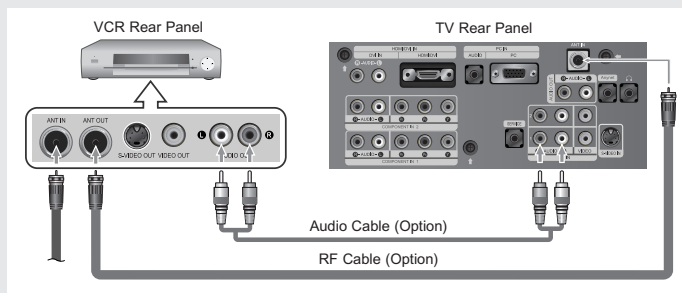
3

Connect an S-Video cable between the S-VIDEO OUT jack on the VCR and the S-VIDEO IN jack on the TV.

VCR Rear Panel

TV Rear Panel

Audio Cable (Option)

S-Video Cable (Option)

RF Cable (Option)
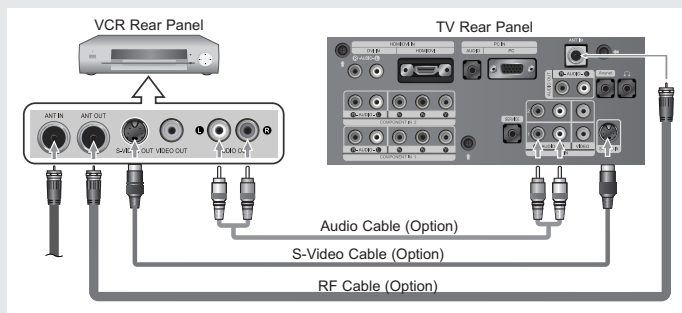
An S-Video cable is usually included with an S-VHS VCR.
(If not, check your local electronics store.)

∗ Each external input source device has a different back panel configuration.
* When connecting an external device, match the color of the connection terminal to the cable.

Connecting a Camcorder

The rear panel jacks on your TV make it easy to connect a camcorder to your TV. They allow you to view the camcorder tapes without using a VCR.

1

Connect an audio cable between the AV IN [R-AUDIO-L] jacks on the TV and the AUDIO OUT jacks on the camcorder.

TV Rear Panel

Camcorder

Audio Cable (Option)
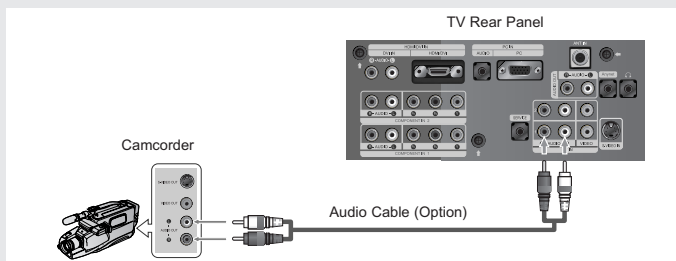
2

Connect a video cable between the AV IN [VIDEO] (or S-VIDEO IN) jacks on the TV and the VIDEO OUT jacks on the camcorder.

TV Rear Panel

Camcorder

S-Video Cable (Option)

or   Video Cable (Option)

Audio Cable (Option)
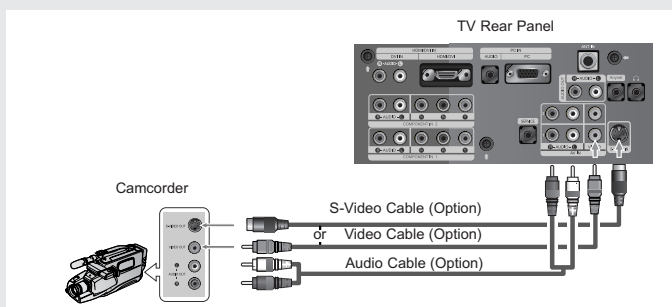
Connecting a DVD Player

The rear panel jacks on your TV make it easy to connect a DVD player to your TV.

1

Connect an audio cable between the COMPONENT IN 1 or COMPONENT IN 2 [R-AUDIO-L] jacks on the TV and the AUDIO OUT jacks on the DVD player.

DVD Player Rear Panel

TV Rear Panel

Audio Cable (Option)

2

Connect a component cable between the COMPONENT IN 1 or COMPONENT IN 2 [P_R, P_B, Y] jacks on the TV and the COMPONENT [Y, P_B, P_R] jacks on the DVD player.

DVD Player Rear Panel

TV Rear Panel

Audio Cable (Option)
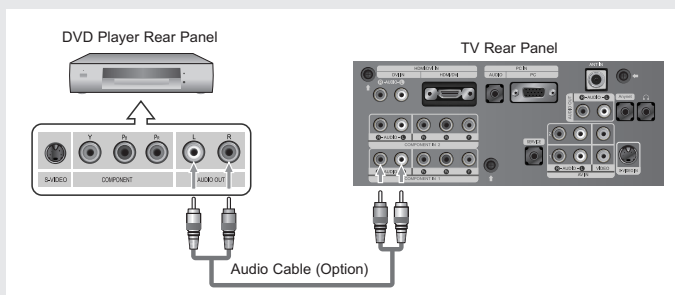
Component Cable (Option)
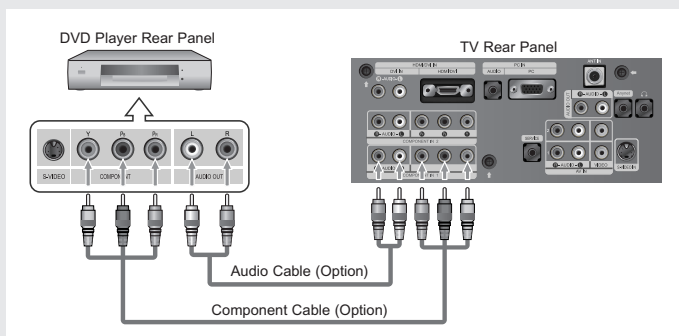
Note: For an explanation of Component video, see your DVD player owner's manual. Be sure to match the component video and audio connections. For example, if connecting the video cable to Component In 1, connect the audio cable to Component In 1 also.

∗ Each external input source device has a different back panel configuration.

∗ When connecting an external device, match the color of the connection terminal to the cable.

Connecting a Digital TV Set-top box

The connections for a typical Set-top box are shown below.

1

Connect an audio cable between the COMPONENT IN 1 or COMPONENT IN 2 [R-AUDIO-L] jacks on the TV and the AUDIO OUT jacks on the Set-top box.
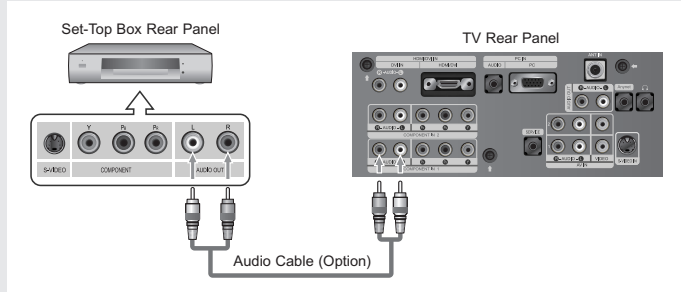
Set-Top Box Rear Panel

TV Rear Panel

Audio Cable (Option)

2

Connect a component cable between the COMPONENT IN 1 or COMPONENT IN 2 [P$_R$, P$_B$, Y] jacks on the TV and the COMPONENT [Y, P$_B$, P$_R$] jacks on the Set-top box.

Set-Top Box Rear Panel

TV Rear Panel

Audio Cable (Option)

Component Cable (Option)

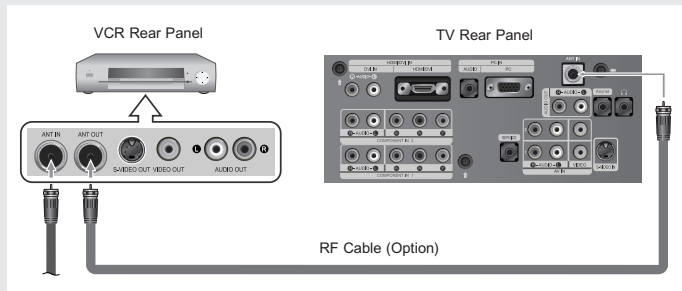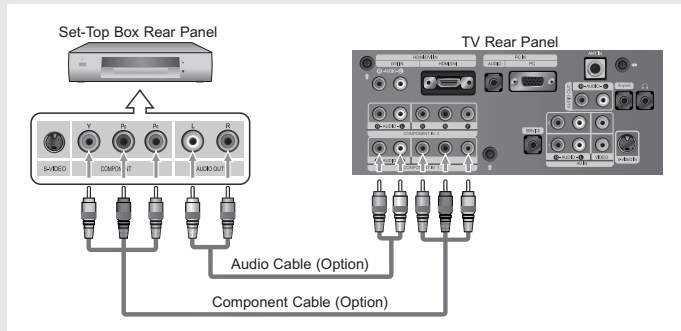Note: For an explanation of Component video, see your Set-top box owner's manual.

* Each external input source device has a different back panel configuration.
* When connecting an external device, match the color of the connection terminal to the cable.

Connecting an Amplifier/DVD Home Theater

1

Connect an audio cable between the AUDIO OUT [R-AUDIO-L] jacks on the TV and the AUDIO IN jacks on the Amplifier/ DVD Home Theater.
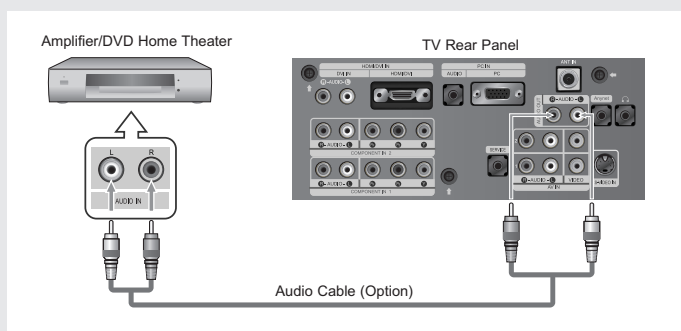
Amplifier/DVD Home Theater

TV Rear Panel

Audio Cable (Option)

* When connecting an external device, match the color of the connection terminal to the cable.

Connecting a DVD/Set-top box via DVI

This can be applied only if there is the DVI Output connector on the external device.

1

Connect a DVI-to-HDMI cable or DVI-HDMI adapter between the HDMI/DVI connector on the TV and the DVI connector on the DVD player/Set-top box.

DVD Player Rear Panel

TV Rear Panel

DVI-to-HDMI Cable (Option)

2
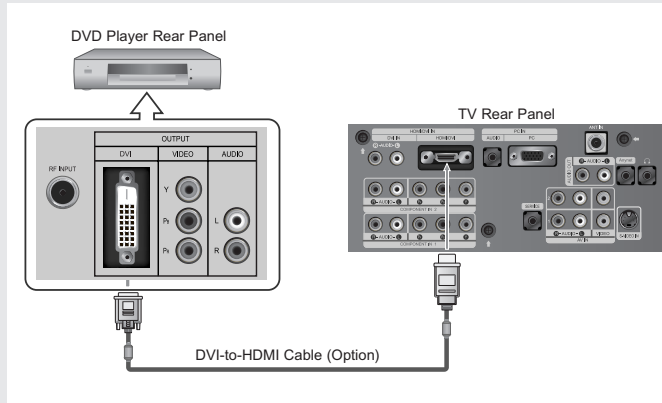
Connect an audio cable between the DVI IN [R-AUDIO-L] jack on the TV and the AUDIO OUT jacks on the DVD player/Set-top box.
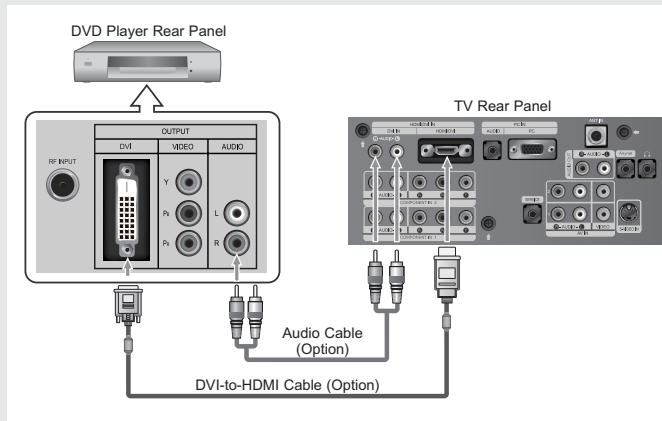
DVD Player Rear Panel

TV Rear Panel

Audio Cable (Option)

DVI-to-HDMI Cable (Option)

* When connecting an external device, match the color of the connection terminal to the cable.

Connecting a DVD/Set-top box via HDMI

This can be applied only if there is the HDMI Output connector on the external device.

1

Connect an HDMI cable between the HDMI/DVI connector on the TV and the HDMI connector on the DVD player/Set-top box.

DVD Player Rear Panel

TV Rear Panel

HDMI Cable (Option)
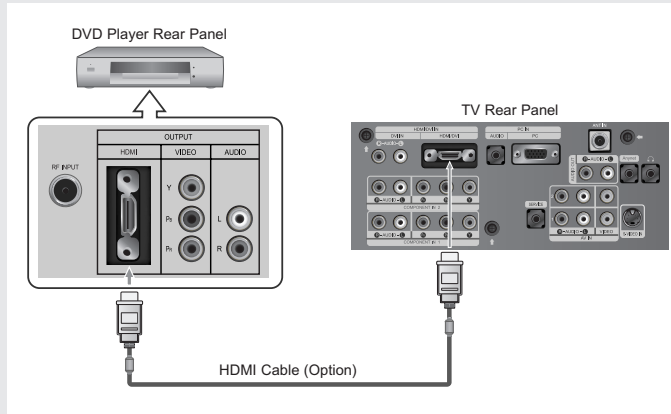
Note: No sound connection is needed for an HDMI to HDMI connection.

What is HDMI?

• HDMI, or high-definition multimedia interface, is a next-generation interface that enables the transmission of digital audio and video signals using a single cable without compression.

• "Multimedia interface" is a more accurate name for it especially because it allows multiple channels of digital audio (5.1 channels).The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi-channel digital audio.

Connecting a PC

1

Connect a PC video cable(D-Sub) between PC IN [PC] connector on the TV and the PC output connector on your computer.

TV Rear Panel

PC Video Cable (Option)
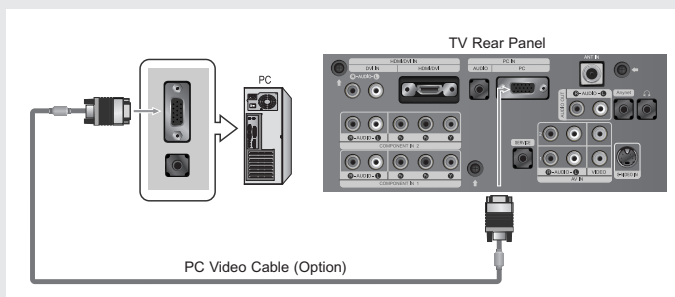
2

Connect a PC audio cable between PC IN [AUDIO] on the TV and the Audio Out of the sound card on your computer.

TV Rear Panel

PC Audio Cable (Option)
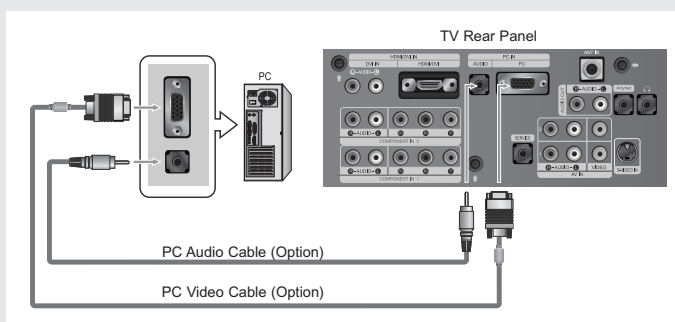
PC Video Cable (Option)

Turning the TV On and Off

1

Press the **POWER**⏻ button on the remote.
You can also use the **POWER**⏻ button on the front of the panel.
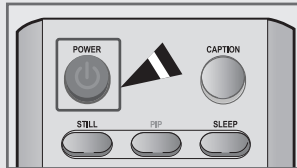
Changing Channels

Using the Channel Buttons

1

Press the **CH** ∧/∨ buttons to change channels.
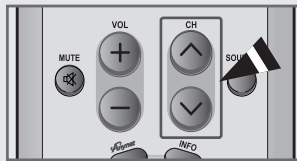
When you press the **CH** ∧/∨ buttons, the TV changes channels in sequence. You will see all the channels that the TV has memorized. (The TV must have memorized at least three channels). You will not see channels that were either erased or not memorized. See pages 24-25 to memorize channels.

Using the Number Buttons

1

Press the number buttons to go directly to a channel.
ex) To select channel 27, press " 2 " → " 7 ".
To select channel 108, press " +100 " → " 0 " → " 8 ".

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

Using the PRE-CH Button to select the Previous Channel

1

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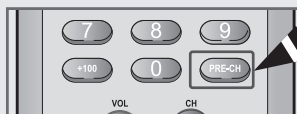
To quickly switch between two channels that are far apart, tune to one channel, then use the number button to select the second channel. Then use the PRE-CH button to quickly alternate between them.

Adjusting the Volume

1

Press the **VOL +** and **VOL −** buttons
to increase or decrease the volume.
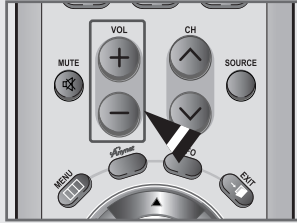
Using Mute

At any time, you can temporarily 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.
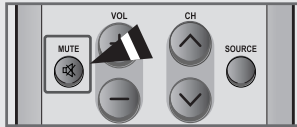
2

To turn mute off, press the **MUTE** button again, or simply
press the **VOL +** and **VOL −** buttons.

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.

Air   3
Mono

Picture   : Dynamic
Sound   : Custom
MTS   : Stereo
SRS TSXT   : Off
-- : -- am
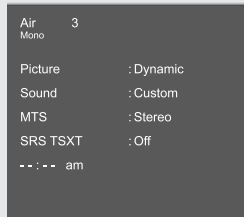
◀ Press the INFO button once more or wait approximately 10 seconds and it disappears automatically.

◀ Allows the user to adjust the settings according to his/her preference and shows the current settings.

Viewing the Menus

1

With the power on, press the **MENU** button.

The main menu appears on the screen.

It's left side has five icons: Input, Picture, Sound, Channel, Setup.

T V	Input	
Input	Source List : TV	▶
Picture	Edit Name	▶
Sound	Anynet	▶
Channel		
Setup	◆ Move ⊞ Enter ▥ Exit	
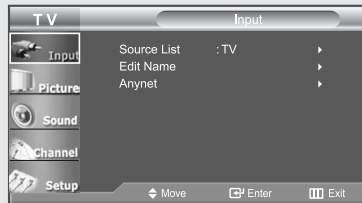
◀The on-screen menus disappear from the screen after about two minutes.

2

Use the **UP/DOWN** ▲▼ buttons to select one of the 5 icons. Then press the **ENTER** ⊞ button to access the icon's sub-menu.

3

Press the **EXIT** button to exit.

English-21

Plug & Play Feature

When the TV is initially powered on, several basic customer settings proceed automatically and subsequently.

1

Press the **POWER**⏻ button on the remote control.

The message "Start Plug & Play" is displayed with "OK" selected.

| Plug & Play |
| Start Plug & Play |
| OK |
| Enter   Exit |

2

Select the appropriate language by pressing the **UP/DOWN** ▲▼ buttons.

Press the **ENTER** button to confirm your choice.

| Plug & Play |
| Language English |
| Français |
| Español |
| Português |
| Move   Enter   Skip |

3

The message "Check antenna input." is displayed with "OK" selected.

Press the **ENTER** button.

| Plug & Play |
| Check antenna input. |
| OK |
| Enter   Skip |

4
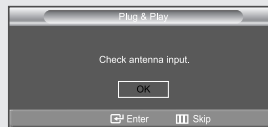
Press the **UP/DOWN** ▲▼ buttons to select "Air" or "STD" then press the **ENTER** button.
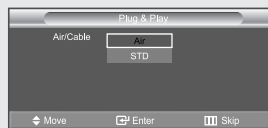
| Plug & Play |
| Air/Cable Air |
| STD |
| Move   Enter   Skip |

5

Press the **ENTER** button
to select "Start".

The TV will begin memorizing
all of the available channels.

Plug & Play

Air   3

Start

Enter   Skip

Plug & Play

Air   15

Stop

Enter   Skip

◄ To stop the search before it has
finished, press the **ENTER**
button with "Stop" selected.

6

Press the **ENTER** button.

Press the **LEFT/RIGHT**◄►
buttons to move to the "Hour",
"Minute" or "am/pm".

Set the "Hour", "Minute" or
"am/pm" by pressing the
UP/DOWN▲▼ buttons.
(Refer to "Setting the Clock"
on page 56.)

Plug & Play

Hour   Minute   am/pm
Clock Set   –   :   –   am

Enter   Skip

Plug & Play

Hour   Minute   am/pm
Clock Set   12   :   00   am

Adjust   Move   Enter   Skip
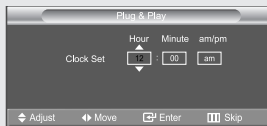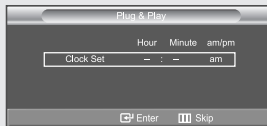
7

Press the **MENU** button
to confirm your setting.

The message
"Enjoy your watching."
is displayed.

Enjoy your watching.

OK
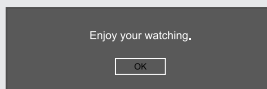
Memorizing the Channels

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

Selecting the Video Signal-source

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

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Channel", then press the **ENTER** button.

T V	Channel
Input	Air/Cable : Air ▶
Picture	Auto Program ▶
Sound	Add/Delete ▶
Channel	Fine Tune ▶
Setup	⬍ Move ↵ Enter Ⅲ Return

2

Press the **ENTER** button.

Repeatedly press the **UP/DOWN** ▲▼ buttons to cycle through these choices: "Air" or "STD" (all cable TV). Press the **EXIT** button to exit.

T V	Channel
Input	Air/Cable : Air
Picture	Auto Program STD
Sound	Add/Delete
Channel	Fine Tune
Setup	⬍ Move ↵ Enter Ⅲ Return
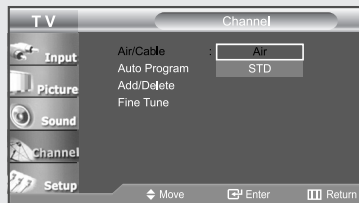
Note: At this point, the signal source has been selected.
      Proceed to "Storing Channels in Memory" (next page).

Storing Channels in Memory (Automatic Method)

1

First, select the correct
signal source (Air or STD).
See steps 1~2 on the
previous page.

T V	Channel
Input	Air/Cable : Air ▶
Picture	Auto Program ▶
	Add/Delete ▶
Sound	Fine Tune ▶
Channel	
Setup	
	↕ Move ⏎ Enter ▥ Return

2

Press the **UP/DOWN** ▲▼
buttons to select
"Auto Program".

Press the **ENTER**⏎ button.

T V	Channel
Input	Air/Cable : Air ▶
Picture	Auto Program ▶
	Add/Delete ▶
Sound	Fine Tune ▶
Channel	
Setup	
	↕ Move ⏎ Enter ▥ Return

3

Press the **ENTER**⏎ button
to select "Start".
The TV will begin memorizing
all of the available channels.

Auto Program

Air   3

Start
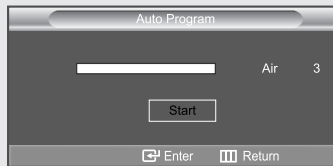
⏎ Enter   ▥ Return

◄ The TV automatically cycles
through all of the available
channels and stores them in
memory. This takes about one
to two minutes.
Press the **ENTER**⏎ button at
any time to interrupt the
memorization process and return
to the "Channel" menu.

4

After all the available
channels are stored, the
"Channel" menu reappears.

Press the **EXIT** button
to exit.

Auto Program

Air   21

Stop

⏎ Enter   ▥ Return
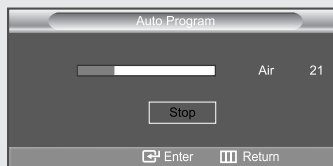
◄ To stop the search before it has
finished, press the **ENTER**⏎
button with "Stop" selected.

Alternate method:

Press the **AUTO PROG.** button under the remote's cover.

English-25

Adding and Erasing Channels (Manual Method)

1

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

Press the **UP/DOWN ▲▼** buttons to select "Channel", then press the **ENTER** button.

Press the **UP/DOWN ▲▼** buttons to select "Add/Delete".

Press the **ENTER** button.

Press the **CH ∧** or **CH ∨** button to select channel that you wish to add or delete.

Press the **ENTER** button to select "Add" or "Delete" (Pressing the **ENTER** button toggles between the two).

Press the **EXIT** button to exit.

T V		Channel	
Input	Air/Cable	: Air	▶
Picture	Auto Program		▶
Sound	Add/Delete		▶
Channel	Fine Tune		▶
Setup			
	♦ Move	⏎ Enter	Return

T V		Channel	
Input	Air/Cable	: Air	▶
Picture	Auto Program		▶
Sound	Add/Delete		▶
Channel	Fine Tune		▶
Setup			
	♦ Move	⏎ Enter	Return

Add/Delete

Air   3   Not in Memory

Add

⟳ CH Change   ⏎ Enter   Return

Add/Delete

Air   3   In Memory

Delete

⟳ CH Change   ⏎ Enter   Return

Alternate method:

Use the number buttons to directly select the channel that will be added or erased. Press the **ADD/DEL** button under the remote's cover.

Repeatedly pressing the **ENTER** button will alternate between "Add" and "Delete". Press the **EXIT** button to exit.
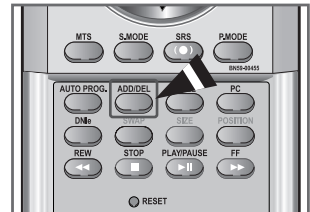
You can view any channel (including an erased channel) by using the number buttons on the remote control.

To Select the Source

Use to select TV or another external input source connected to the TV.
Use to select the input source of your choice.

1

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

Press the **ENTER** button to select "Input".

T V	Input
Input	Source List : TV ▸
Picture	Edit Name ▸
Sound	Anynet ▸
Channel	
Setup	◆ Move Enter Return

2
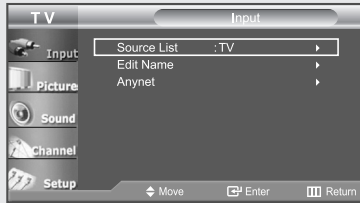
Press the **ENTER** button.

Press the **UP/DOWN** ▲▼ buttons to select the Input source, then press the **ENTER** button.

T V	Sourcr List
Input	TV
Picture	AV1 : —
	AV2 : —
Sound	S-Video : —
	Component1 : —
	Component2 : —
Channel	PC : —
Setup	HDMI : —
	◆ Move Enter Return
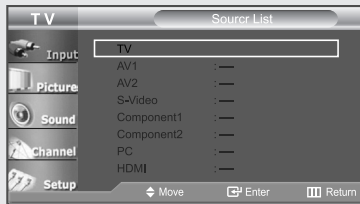
Alternate method:

Press the **SOURCE** button on the remote control to view an external signal source.

To Edit the Input Source Name

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 **ENTER** button to select "Input".

Press the **UP/DOWN** ▲▼ buttons to select "Edit Name", then press the **ENTER** button.

TV		Input	
Input	Source List	: TV	▶
Picture	Edit Name		▶
Sound	Anynet		▶
Channel			
Setup	♦ Move	↵ Enter	ⅲ Return

TV		Input	
Input	Source List	: TV	▶
Picture	Edit Name		▶
Sound	Anynet		▶
Channel			
Setup	♦ Move	↵ Enter	ⅲ Return

2
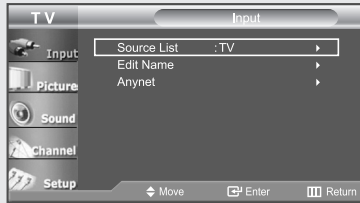
Press the **UP/DOWN** ▲▼ buttons to select "AV1", "AV2", "S-Video", "Component1", "Component2", "PC", or "HDMI" input jack, then press the **ENTER** button.

TV		Edit Name	
Input	AV1	: ----	▶
Picture	AV2	: ----	▶
Sound	S-Video	: ----	▶
	Component1	: ----	▶
	Component2	: ----	▶
Channel	PC	: ----	▶
	HDMI	: ----	▶
Setup	♦ Move	↵ Enter	ⅲ Return

3

Press the **UP/DOWN** ▲▼ buttons to select "VCR", "DVD", "D-VHS", "Cable STB", "HD STB", "Satellite STB", "AV Receiver", "DVD Receiver", "Game", "Camcorder", "DVD Combo", "DHR (DVD HDD Recoder)", or "PC" input source, then press the **ENTER** button.

Press the **EXIT** button to exit.

TV		Edit Name	
Input	AV1	: ----	
Picture	AV2	: VCR	
	S-Video	: DVD	
Sound	Component1	: D-VHS	
	Component2	: Cable STB	
Channel	PC	: HD STB	
	HDMI	: Satellite STB	
Setup	♦ Move	↵ Enter	ⅲ Return

TV		Edit Name	
Input	AV1	: ▲	
Picture	AV2	: AV Receiver	
	S-Video	: DVD Receiver	
Sound	Component1	: Game	
	Component2	: Camcorder	
Channel	PC	: DVD Combo	
	HDMI	: DHR	
Setup		PC	
	♦ Move	↵ Enter	ⅲ Return
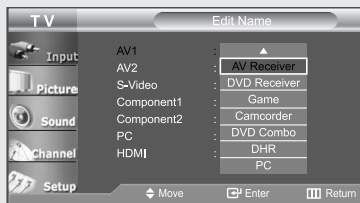
Using Automatic Picture Settings

Your TV has four automatic picture settings ("Dynamic", "Standard", "Movie", and "Custom") that are preset at the factory. You can activate either Dynamic, Standard, Movie, or Custom by pressing P.MODE (or by making a selection from the menu). Or, you can select "Custom" which automatically recalls your personalized picture settings.

1

Press the **MENU** ⅲ button to display the menu.

Press the **UP/DOWN** ▲▼ buttons to select "Picture", then press the **ENTER** ⊕ button.

T V	Picture	
Input	Mode	: Dynamic ▶
Picture	Size	: Wide ▶
	Digital NR	: On ▶
	DNIe Demo	: Off ▶
Sound	My Color Control	▶
	Dynamic Contrast	: On ▶
Channel	Brightness Sensor	: Off ▶
Setup	PIP	▶
	♦ Move ⊕ Enter ⅲ Return	

2

Press the **ENTER** ⊕ button.

T V	Mode	
Input	Mode	: Dynamic ▶
Picture	Contrast	100
	Brightness	50
	Sharpness	75
Sound	Color	55
	Tint	G 50 ... R 50
Channel	Color Tone	: Cool1 ▶
Setup	Reset	▶
	♦ Move ⊕ Enter ⅲ Return	

3
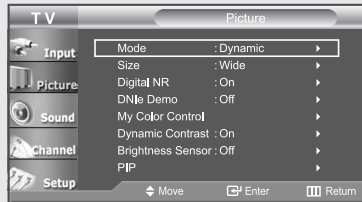
Press the **ENTER** ⊕ button again to select "Mode ".

Press the **UP/DOWN** ▲▼ buttons to select "Dynamic", "Standard", "Movie", or Custom".

Press the **ENTER** ⊕ button.

Press the **EXIT** button to exit.

T V	Mode	
Input	Mode	: Dynamic
Picture	Contrast	Standard 100
	Brightness	Movie 50
Sound	Sharpness	Custom 75
	Color	55
Channel	Tint	G 50 ... R 50
Setup	Color Tone	: Cool1
	Reset	
	♦ Move ⊕ Enter ⅲ Return	
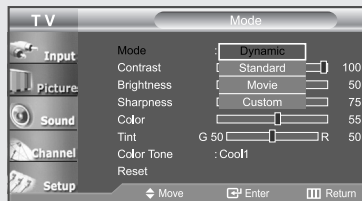
Alternate method:

Simply press the **P.MODE** button on the remote control to select one of the standard picture settings.
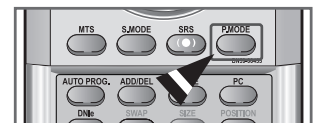
- Choose *Dynamic* to increase the clarity and sharpness of the picture.
- Choose *Standard* for the standard factory settings.
- Choose *Movie* when watching movies.
- Choose *Custom* if you want to adjust the settings according to personal preference (see "Customizing the Picture, page 30).

Customizing the Picture

You can use the on-screen menus to change the contrast, brightness, sharpness, color, and tint according to personal preference.
(Alternatively, you can use one of the "automatic" settings. See the previous page.)

1

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

Press the **UP/DOWN ▲▼** buttons to select "Picture", then press the **ENTER** button.

TV	Picture		
Input	Mode	: Dynamic	▶
Picture	Size	: Wide	▶
	Digital NR	: On	▶
Sound	DNIe Demo	: Off	▶
	My Color Control		▶
Channel	Dynamic Contrast	: On	▶
	Brightness Sensor	: Off	▶
Setup	PIP		▶
	♦ Move	Enter	Return

2

Press the **ENTER** button.

TV	Mode		
Input	Mode	: Dynamic	▶
Picture	Contrast		100
	Brightness		50
Sound	Sharpness		75
	Color		55
Channel	Tint	G 50 ── R	50
	Color Tone	: Cool1	▶
Setup	Reset		▶
	♦ Move	Enter	Return

3
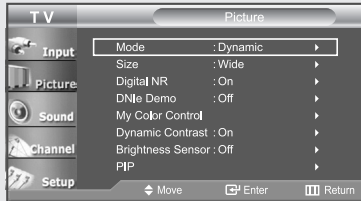
Press the **UP/DOWN ▲▼** button to select a particular item (Contrast, Brightness, Sharpness, Color, or Tint), then press the **ENTER** button.

TV	Mode		
Input	Mode	: Dynamic	▶
Picture	Contrast		100
	Brightness		50
Sound	Sharpness		75
	Color		55
Channel	Tint	G 50 ── R	50
	Color Tone	: Cool1	▶
Setup	Reset		▶
	♦ Move	Enter	Return

◀ The adjusted values are stored according to the selected Picture mode.

4

Press the **LEFT/RIGHT ◀▶** buttons to decrease or increase the value of a particular item.

For example, if you select "Contrast", pressing the **RIGHT▶** button increases it.

Press the **EXIT** button to exit.

△ Contrast ▽	── 100

◀ You can select the option (Contrast, Brightness, Sharpness, Color, or Tint) to be adjusted by pressing the **UP/DOWN ▲▼** button.

Adjusting the Color Tone

You can change the color of the entire screen according to your preference.

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Picture", then press the **ENTER** button.

2

Press the **ENTER** button.

3
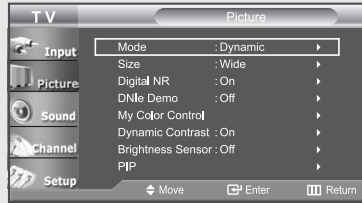
Press the **UP/DOWN** ▲▼ button to select "Color Tone", then press the **ENTER** button.

4

Press the **UP/DOWN** ▲▼ buttons to select "Cool2", "Cool1", "Normal", "Warm1", or "Warm2".

Press the **ENTER** button.

Press the **EXIT** button to exit.

◀ Choose from the following Color Tone settings: "Cool2", "Cool1", "Normal", "Warm1", "Warm2" according to personal preference.

◀ The adjusted values are stored according to the selected Picture mode.

◀ The "Reset" will be set for each picture mode.

Resetting the Picture Settings to the Factory Defaults
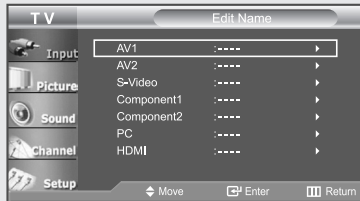
Press the **ENTER** button again to select "Mode ".

Press the **UP/DOWN** ▲▼ buttons to select "Reset", then press the **ENTER** button.

Changing the Screen Size

1

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

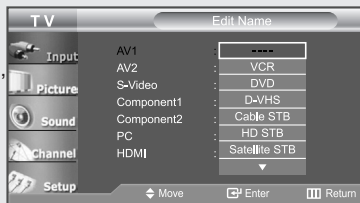Press the **UP/DOWN**▲▼ buttons to select "Picture", then press the **ENTER** button.

TV	Picture
Input	Mode : Dynamic ▶
Picture	Size : Wide ▶
Sound	Digital NR : On ▶
	DNIe Demo : Off ▶
Channel	My Color Control ▶
	Dynamic Contrast : On ▶
Setup	Brightness Sensor : Off ▶
	PIP ▶
	♦ Move ⏎ Enter ▥ Return
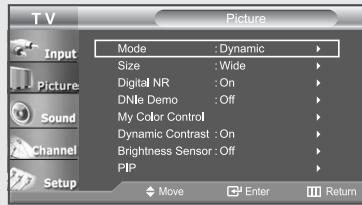
◀ Only the wide and 4:3 sizes can be selected when the Source is PC.

2

Press the **UP/DOWN**▲▼ buttons to select "Size" then press the **ENTER** button.

TV	Picture
Input	Mode : Dynamic ▶
Picture	Size : Wide ▶
Sound	Digital NR : On ▶
	DNIe Demo : Off ▶
Channel	My Color Control ▶
	Dynamic Contrast : On ▶
Setup	Brightness Sensor : Off ▶
	PIP ▶
	♦ Move ⏎ Enter ▥ Return

3
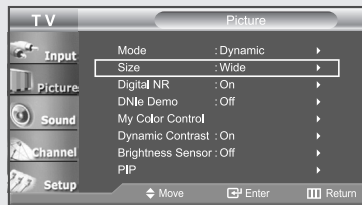
Press the **UP/DOWN**▲▼ buttons to select "Wide", "Zoom" or "4:3".

Press the **EXIT** button to exit.
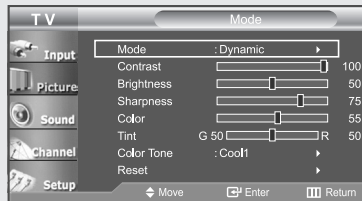
TV	Size
Input	Wide
Picture	Zoom
Sound	4:3
Channel	
Setup	
	♦ Move ⏎ Enter ▥ Return

- Wide   : Sets the picture to 16:9 wide mode.

- Zoom   : Magnifies the size of the picture on the screen.

  [Positioning and Sizing the screen using Zoom]
  - Resizing the screen using the Zoom enables the positioning and sizing of the screen to up/down direction using the ▲ or ▼ button as well as the screen size.
  - Move the screen up/down using the ▲ or ▼ button after selecting the 🖺 by pressing the ◀ or ▶ button.
  - Resize the screen vertically using the ▲ or ▼ button after selecting the 🖺 by pressing the ◀ or ▶ button. (Pressing the ▲ button extends it upward and pressing the ▼ button extends it downward.)

- 4 : 3   : Sets the picture to 4:3 normal mode. This is the standard TV screen size.

Zoom

1

Press the **UP/DOWN** ▲▼ buttons to select "Zoom".

T V	Size
Input	Wide
	Zoom
Picture	4:3
Sound	
Channel	
Setup	◆ Move　 Enter　 Return
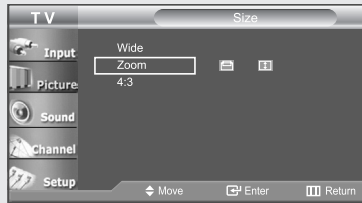
2

Select 🗐 by pressing the **LEFT/RIGHT** ◀▶ buttons. Use the **UP/DOWN** ▲▼ button to move the picture up and down.

T V	Size
Input	Wide
	Zoom
Picture	4:3
Sound	
Channel	
Setup	◆ Move　 Enter　 Return

3

After selecting 🗐, use the **UP/DOWN** ▲▼ button to magnify or reduce the picture size in a vertical direction.

Press the **EXIT** button to exit.

T V	Size
Input	Wide
	Zoom
Picture	4:3
Sound	
Channel	
Setup	◆ Move　 Enter　 Return

Alternate method:

Press the **P.SIZE** button under the remote's cover to change the screen size.
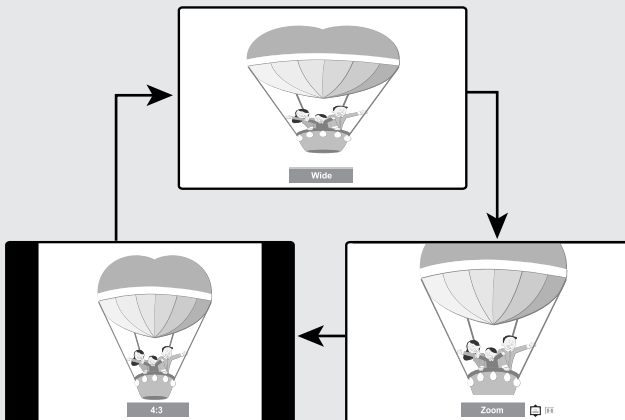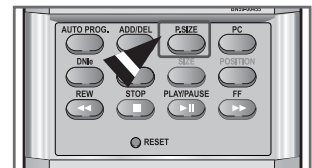
Freezing the Picture

1

Press the **STILL** button to freeze a moving picture.
• Normal sound will still be heard.
  Press again to cancel.

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 **UP/DOWN** ▲▼ buttons to select "Picture", then press the **ENTER** button.

2
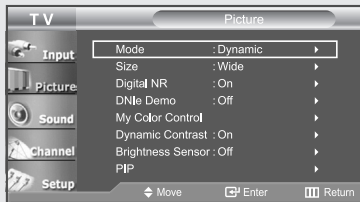
Press the **UP/DOWN** ▲▼ buttons to select "Digital NR", then press the **ENTER** button.

3
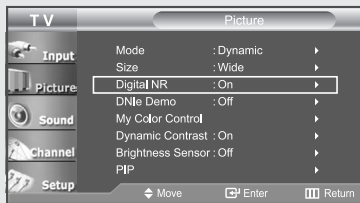
Press the **UP/DOWN** ▲▼ buttons to select "Off".

Press the **EXIT** button to exit.
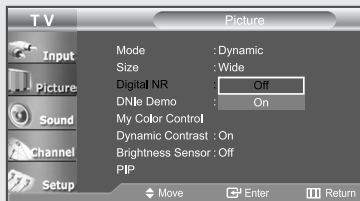
DNIe (Digital Natural Image engine)

Samsung's new technology brings you more detailed images with contrast, white enhancement and 3D noise reduction.
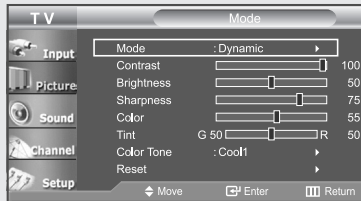You can see how DNIe improves the picture by setting DNIe demo mode to On.

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Picture", then press the **ENTER** button.
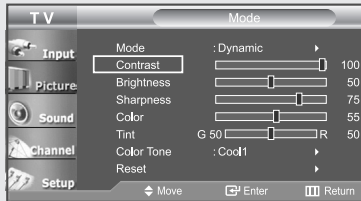
TV	Picture	
Input	Mode : Dynamic	▶
	Size : Wide	▶
Picture	Digital NR : On	▶
	DNIe Demo : Off	▶
Sound	My Color Control	▶
	Dynamic Contrast : On	▶
Channel	Brightness Sensor : Off	▶
	PIP	▶
Setup		
	◆ Move ↵ Enter Ⅲ Return	

2
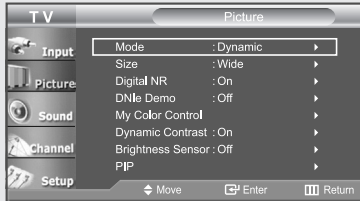
Press the **UP/DOWN** ▲▼ buttons to select "DNIe Demo", then press the **ENTER** button.

TV	Picture	
Input	Mode : Dynamic	▶
	Size : Wide	▶
Picture	Digital NR : On	▶
	DNIe Demo : Off	▶
Sound	My Color Control	▶
	Dynamic Contrast : On	▶
Channel	Brightness Sensor : Off	▶
	PIP	▶
Setup		
	◆ Move ↵ Enter Ⅲ Return	

◀ This function doesn't work when Source is in PC mode.

3

Press the **UP/DOWN** ▲▼ buttons to select "On", then press the **ENTER** button.

Press the **EXIT** button to exit.

TV	Picture	
Input	Mode : Dynamic	
	Size : Wide	
Picture	Digital NR : On	
	DNIe Demo : Off	
Sound	My Color Control : On	
	Dynamic Contrast : On	
Channel	Brightness Sensor : Off	
	PIP	
Setup		
	◆ Move ↵ Enter Ⅲ Return	
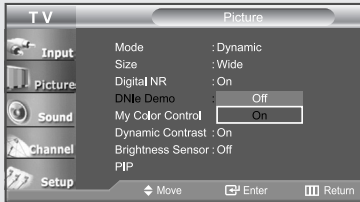
Alternate method:

Press the **DNIe** button under the remote's cover to change the DNIe Demo mode.

- DNIe Demo: Off
  DNIe Demo mode is deactivated.

- DNIe Demo: On
  The right-hand side of the screen shows the improved DNIe image.
  The left-hand side of the screen shows the original image.

- The "DNIe Demo" is designed to show the difference between the regular and DNIe pictures.

- By default, the product displays the picture with DNIe applied.

My Color Control

My Color Control allows users to adjust colors to their preference by adjusting Pink, Blue and Green using the predefined settings (Blue, Green, Pink, Standard, and Custom) without affecting other colors on the screen.
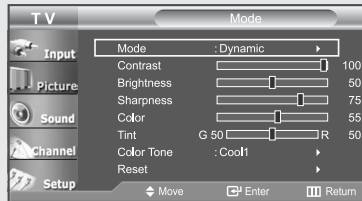
Easy Control

1

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

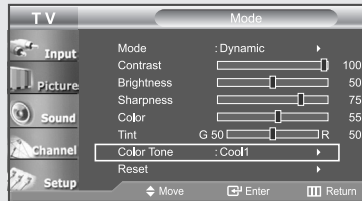Press the **UP/DOWN** ▲▼ buttons to select "Picture", then press the **ENTER** button.

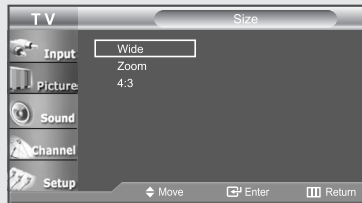Press the **UP/DOWN** ▲▼ buttons to select "My Color Control", then press the **ENTER** button.

2

Press the **UP/DOWN** ▲▼ buttons to select "Easy Control", then press the **ENTER** button.

◀ This function doesn't work when the Source is in PC mode or PIP is set to on.

3

Press the **LEFT/RIGHT** ◀▶ buttons to select the desired "My Color Control" color, then press the **ENTER** button.

Press the **EXIT** button to exit.
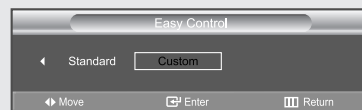
◀ This captures the current screen in a still image to adjust the color.

◀ The Original picture (before adjustment) is shown on the left side, while the selected mode is shown on the right side.

∗ The sources are displayed in the following order: Blue-Green-Pink-Standard-Custom

Detail Control

1

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

Press the **UP/DOWN ▲▼** buttons to select "Picture", then press the **ENTER** button.

Press the **UP/DOWN ▲▼** buttons to select "My Color Control", then press the **ENTER** button.

TV	Picture	
Input		
Picture	Mode : Dynamic ▶	
	Size : Wide ▶	
Sound	Digital NR : On ▶	
	DNIe Demo : Off ▶	
Channel	My Color Control ▶	
	Dynamic Contrast : On ▶	
Setup	Brightness Sensor : Off ▶	
	PIP ▶	
	♦ Move	⊞ Enter	ⅢⅢ Return

TV	Picture	
Input		
Picture	Mode : Dynamic ▶	
	Size : Wide ▶	
Sound	Digital NR : On ▶	
	DNIe Demo : Off ▶	
Channel	My Color Control ▶	
	Dynamic Contrast : On ▶	
Setup	Brightness Sensor : Off ▶	
	PIP ▶	
	♦ Move	⊞ Enter	ⅢⅢ Return

2

Press the **UP/DOWN ▲▼** buttons to select "Detail Control", then press the **ENTER** button.

TV	My Color Control	
Input		
Picture	Easy Control : Custom ▶	
	Detail Control ▶	
Sound		
Channel		
Setup		
	♦ Move	⊞ Enter	ⅢⅢ Return

◀ This function doesn't work when the Source is in PC mode or PIP is set to on.

3

Press the **UP/DOWN ▲▼** buttons to select the desired "My Color Control" color, then press the **ENTER** button.

Press the **LEFT/RIGHT ◀▶** buttons to increase or decrease the value of a particular item.

Press the **EXIT** button to exit.

TV	Detail Control	
Input		
Picture	Pink 50	
	Green 50	
Sound	Blue 50	
	Reset	
Channel		
Setup		
	♦ Move	⊞ Enter	ⅢⅢ Return

Original   Adjusted

△
Pink   50
▽

◀ This captures the current screen in a still image to adjust the color.

◀ To reset the "Detail Control", select "Reset" by pressing the **UP/DOWN ▲▼** button and then press the **ENTER** button.

∗ The sources are displayed in the following order: Pink-Green-Blue-Reset

English-37

Dynamic Contrast

Dynamic Contrast detects the visual signal input and adjusts to create optimum contrast.

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Picture", then press the **ENTER** button.

TV	Picture	
Input	Mode	: Dynamic ▶
	Size	: Wide ▶
Picture	Digital NR	: On ▶
	DNIe Demo	: Off ▶
Sound	My Color Control	▶
	Dynamic Contrast	: On ▶
Channel	Brightness Sensor	: Off ▶
	PIP	▶
Setup		
	◆ Move ⊞ Enter Ⅲ Return	

◀ This function doesn't work when the Source is in PC mode or PIP is set to on.

2
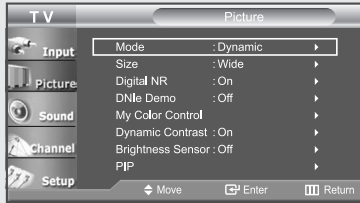
Press the **UP/DOWN** ▲▼ buttons to select "Dynamic Contrast", then press the **ENTER** button.

TV	Picture	
Input	Mode	: Dynamic ▶
	Size	: Wide ▶
Picture	Digital NR	: On ▶
	DNIe Demo	: Off ▶
Sound	My Color Control	▶
	Dynamic Contrast	: On ▶
Channel	Brightness Sensor	: Off ▶
	PIP	▶
Setup		
	◆ Move ⊞ Enter Ⅲ Return	

3

Press the **UP/DOWN** ▲▼ buttons to select "Off".

Press the **EXIT** button to exit.

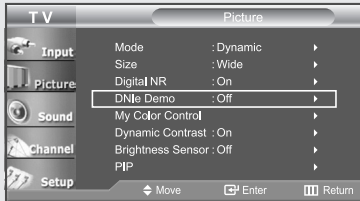| TV	Picture	
Input	Mode	: Dynamic
	Size	: Wide
Picture	Digital NR	: On
	DNIe Demo	: Off
Sound	My Color Control	
	Dynamic Contrast :	Off
Channel	Brightness Sensor :	On
	PIP	
Setup		
	◆ Move ⊞ Enter Ⅲ Return	

Brightness Sensor

The Brightness Sensor adjusts the screen brightness automatically by using a light detecting sensor.

1

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

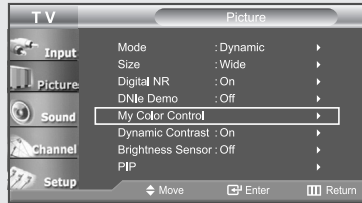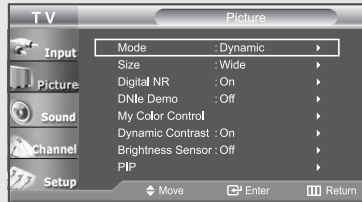Press the **UP/DOWN** ▲▼ buttons to select "Picture", then press the **ENTER** button.

T V		Picture	
Input	Mode	: Dynamic	▶
	Size	: Wide	▶
Picture	Digital NR	: On	▶
	DNIe Demo	: Off	▶
Sound	My Color Control		▶
	Dynamic Contrast	: On	▶
Channel	Brightness Sensor	: Off	▶
	PIP		▶
Setup			

♦ Move   Enter   Return

2
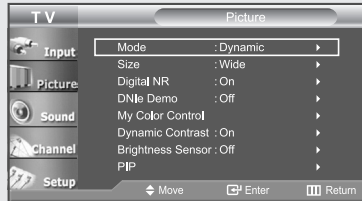
Press the **UP/DOWN** ▲▼ buttons to select "Brightness Sensor", then press the **ENTER** button.

T V		Picture	
Input	Mode	: Dynamic	▶
	Size	: Wide	▶
Picture	Digital NR	: On	▶
	DNIe Demo	: Off	▶
Sound	My Color Control		▶
	Dynamic Contrast	: On	▶
Channel	Brightness Sensor	: Off	▶
	PIP		▶
Setup			

♦ Move   Enter   Return
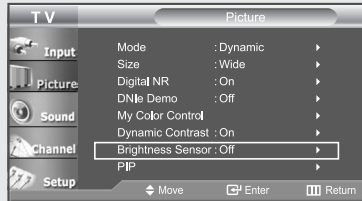
◀ This function doesn't work when the Source is in PC mode.

3

Press the **LEFT/RIGHT** ◀▶ buttons to select "On".

Press the **EXIT** button to exit.

Brightness Sensor

Off   On

◀▶ Move   Enter   Return

Brightness Sensor

Off   On

◀▶ Move   Enter   Return
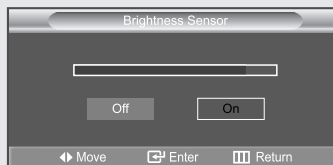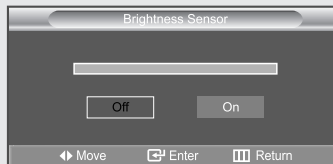
◀ Screen brightness is adjusted automatically depending on the brightness of the surrounding environment.

English-39

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.

Activating Picture-in-Picture
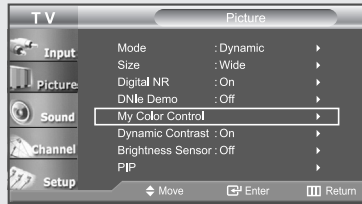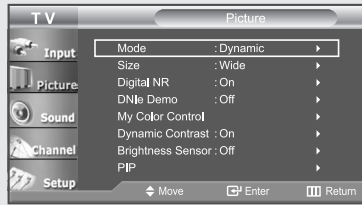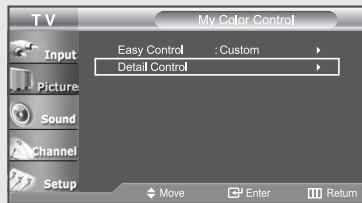
1

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

Press the **UP/DOWN ▲▼** buttons to select "Picture", then press the **ENTER** button.

Press the **UP/DOWN ▲▼** buttons to select "PIP", then press the **ENTER** button.
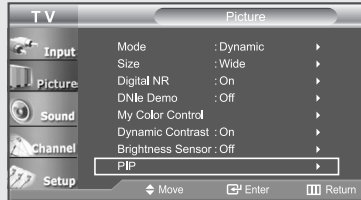
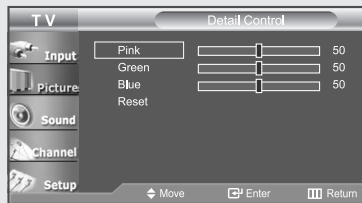| TV	Picture	
Input	Mode	: Dynamic ▶
	Size	: Wide ▶
Picture	Digital NR	: On ▶
	DNIe Demo	: Off ▶
Sound	My Color Control	▶
	Dynamic Contrast	: On ▶
Channel	Brightness Sensor	: Off ▶
	PIP	▶
Setup	◆ Move ⊞ Enter ▥ Return	

2

Press the **ENTER** button.

Press the **UP/DOWN ▲▼** buttons to select "On".

Press the **ENTER** button.

TV	PIP	
Input	PIP	: Off / On
	Source	
Picture	Swap	
	Size	▭
Sound	Position	▭
	Channel	: Air 3
Channel		
Setup	◆ Move ⊞ Enter ▥ Return	

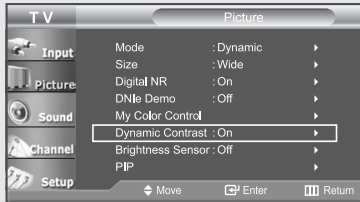| TV	PIP	
Input	PIP	: On ▶
	Source	: HDMI ▶
Picture	Swap	▶
	Size	▭ ▶
Sound	Position	▭ ▶
	Channel	: Air 3 ▶
Channel		
Setup	◆ Move ⊞ Enter ▥ Return	
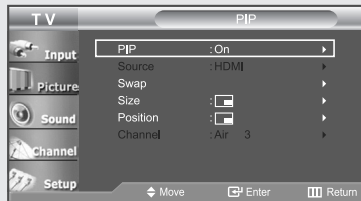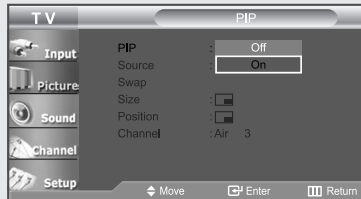
◀ If you turn the TV off while watching in PIP mode and turn it on again, the PIP window will disappear.

Alternate method:

Press the **PIP** button on the remote control repeatedly to activate or deactivate the PIP.
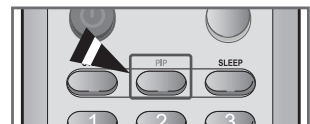
Selecting a Signal Source (External A/V) for PIP

3
Press the **UP/DOWN**▲▼ buttons to select "Source", then press the **ENTER** button.

Select the source of the sub picture (PIP) by pressing the **UP/DOWN**▲▼ buttons and press the **ENTER** button.

[PC/HDMI modes only]

TV	PIP
Input	
Picture	PIP : On
	Source TV
Sound	Swap AV1
	Size AV2
Channel	Position S-Video
	Channel : Component1
Setup	Component2
	♦ Move ⏎ Enter ⫿⫿⫿ Return
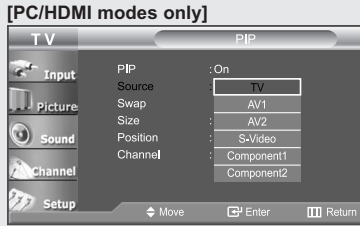
◀ When the main picture is set to TV/ AV1/AV2/S-Video/Component1/ Component2, only HDMI can be selected and when the main picture is set to PC/HDMI, only TV/AV1/ AV2/S-Video/Component1/ Component2 can be selected.

◀ Source selection is possible only when PC or HDMI is connected.

Swapping the Contents of the PIP and Main image

4
Press the **UP/DOWN**▲▼ buttons to select "Swap", then press the **ENTER** button.

TV	PIP
Input	
Picture	PIP : On
	Source : HDMI ▸
Sound	Swap ▸
	Size ▸
Channel	Position ▸
	Channel : Air 3 ▸
Setup	
	♦ Move ⏎ Enter ⫿⫿⫿ Return
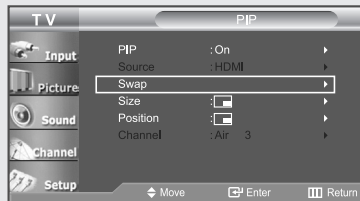
◀ If main picture is in PC Mode, "Swap" is not available.

Alternate method:

Press the **SWAP** button under the remote's cover.

Changing the PIP Channel

5
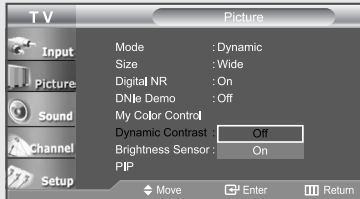Press the **UP/DOWN**▲▼ buttons to select "Channel", then press the **ENTER** button.
Press the **UP/DOWN**▲▼ buttons to select the desired channel in the PIP window.

[PC/HDMI modes only]

TV	PIP
Input	
Picture	PIP : On
	Source : TV
Sound	Swap
	Size
Channel	Position ▲
	Channel Air 3
Setup	▼
	♦ Adjust ⏎ Enter ⫿⫿⫿ Return

English-41
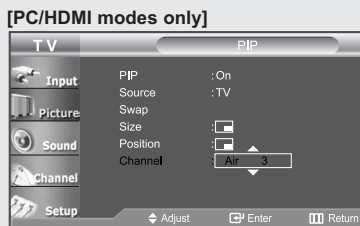
Changing the Size of the PIP Window

6

Press the **UP/DOWN** ▲▼ buttons to select "Size", then press the **ENTER** button.

Press the **UP/DOWN** ▲▼ buttons to select the desired size of the PIP window.

Press the **ENTER** button.
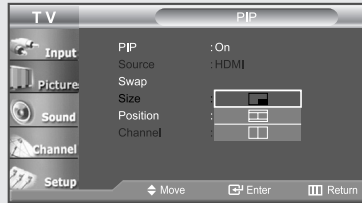
◀ If main picture is in PC Mode, "Size" is not available.

TV		PIP
Input	PIP	: On
Picture	Source	: HDMI
	Swap	
Sound	Size	
	Position	:
Channel	Channel	
Setup		
	◆ Move	⊡ Enter ⫿⫿ Return

Alternate method:

Press the **SIZE** button under the remote's cover.
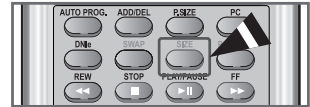
Changing the Position of the PIP Window

7

Press the **UP/DOWN** ▲▼ buttons to select "Position", then press the **ENTER** button.

Press the **UP/DOWN** ▲▼ buttons to select the desired PIP window position.

Press the **ENTER** button.

Press the **EXIT** button to exit.

TV		PIP
Input	PIP	: On
Picture	Source	: HDMI
	Swap	
Sound	Size	:
	Position	
Channel	Channel	:
Setup		
	◆ Move	⊡ Enter ⫿⫿ Return
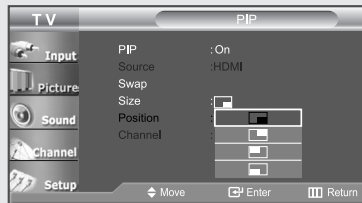
Alternate method:

Press the **POSITION** button under the remote's cover.

PIP Settings

O : PIP operates
X : PIP doesn't operate

Sub Picture / Main Picture	TV	AV1	AV2	S-Video	Component1	Component2	PC	HDMI
TV	X	X	X	X	X	X	X	O
AV1	X	X	X	X	X	X	X	O
AV2	X	X	X	X	X	X	X	O
S-Video	X	X	X	X	X	X	X	O
Component1	X	X	X	X	X	X	X	O
Component2	X	X	X	X	X	X	X	O
PC	O	O	O	O	O	O	X	X
HDMI	O	O	O	O	O	O	X	X

• When the PC is in energy saving mode, you cannot choose the PIP option.
• You may notice that the picture in the PIP window becomes slightly unnatural when you use the main screen to view a game or karaoke.
• You can adjust picture position only by using the ▭ size menu.

Using Automatic Sound Settings

Your TV has five automatic sound settings ("Standard", "Music", "Movie", "Speech", and "Custom") that are preset at the factory. You can activate any of them by pressing the S.MODE button (or by making a selection from the on-screen menu).
Or, you can select "Custom", which automatically recalls your personalized sound settings.

1

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

Press the **UP/DOWN ▲▼** buttons to select "Sound", then press the **ENTER** button.

Press the **ENTER** button.

2
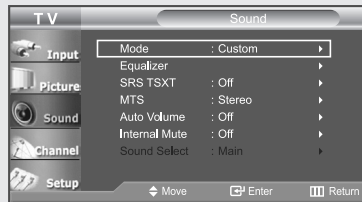
Press the **UP/DOWN ▲▼** buttons repeatedly to select the "Standard", "Music", "Movie", "Speech", or "Custom" sound settings.

Press the **EXIT** button to exit.
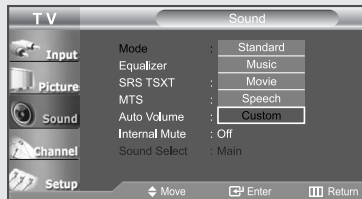
Alternate method:

Simply press the **S.MODE** button on the remote control to select one of the standard sound settings.

- 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.

Customizing the Sound

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

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Sound", then press the **ENTER** button.

TV	Sound
Input	Mode : Custom ▶
	Equalizer ▶
Picture	SRS TSXT : Off ▶
	MTS : Stereo ▶
Sound	Auto Volume : Off ▶
	Internal Mute : Off ▶
Channel	Sound Select : Main ▶
Setup	
	⬍ Move ↵ Enter ▥ Return

2
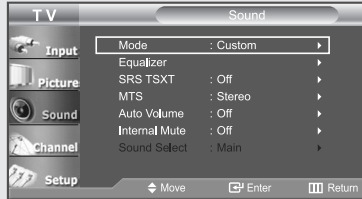
Press the **UP/DOWN** ▲▼ buttons to select "Equalizer", then press the **ENTER** button.

TV	Sound
Input	Mode : Custom ▶
	Equalizer ▶
Picture	SRS TSXT : Off ▶
	MTS : Stereo ▶
Sound	Auto Volume : Off ▶
	Internal Mute : Off ▶
Channel	Sound Select : Main ▶
Setup	
	⬍ Move ↵ Enter ▥ Return

3

Press the **LEFT/RIGHT** ◀▶ buttons to select a particular frequency to be changed.

Press the **UP/DOWN** ▲▼ buttons to increase or decrease the value of a particular item.

Press the **EXIT** button to exit.

TV	Equalizer
Input	L/R 100 300 1K 3K 10K
Picture	
Sound	
Channel	
Setup	
	◀▶ Move ⬍ Adjust ▥ Return
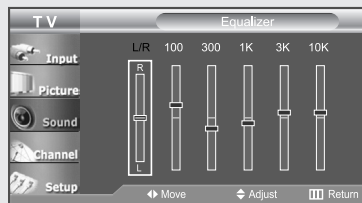
◀ If you make any changes to these settings, the Sound Mode is automatically switched to "Custom".

Note: The Custom setting allows you to adjust frequencies to your preference.
The lowest frequency is 100 and 10K is the highest.

Setting the TruSurround XT (SRS TSXT)

Emphasizes midrange and bass and provides a simulated surround-sound experience.

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Sound", then press the **ENTER** button.

T V	Sound
Input	Mode : Custom ▶
Picture	Equalizer ▶
	SRS TSXT : Off ▶
Sound	MTS : Stereo ▶
	Auto Volume : Off ▶
Channel	Internal Mute : Off ▶
	Sound Select : Main ▶
Setup	◆ Move Enter Return

2
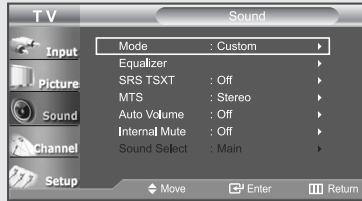
Press the **UP/DOWN** ▲▼ buttons to select "SRS TSXT", then press the **ENTER** button.

T V	Sound
Input	Mode : Custom ▶
Picture	Equalizer ▶
	SRS TSXT : Off ▶
Sound	MTS : Stereo ▶
	Auto Volume : Off ▶
Channel	Internal Mute : Off ▶
	Sound Select : Main ▶
Setup	◆ Move Enter Return

3

Press the **UP/DOWN** ▲▼ buttons to select "Off", "3D Mono" or "Stereo" than Press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Sound
Input	Mode : Custom
Picture	Equalizer
	SRS TSXT Off
Sound	MTS 3D Mono
	Auto Volume Stereo
Channel	Internal Mute : Off
	Sound Select : Main
Setup	◆ Move Enter Return

Alternate method:

Simply press the **SRS** button on the remote control to change the "SRS TSXT" settings.

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SRS
TruSurround XT   TruSurround XT, SRS and symbol are trademarks of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.

Choosing a Multi-Channel Sound (MTS) Soundtrack

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

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Sound", then press the **ENTER** button.

TV	Sound	
Input	Mode	: Custom ►
Picture	Equalizer	►
	SRS TSXT	: Off ►
Sound	MTS	: Stereo ►
	Auto Volume	: Off ►
Channel	Internal Mute	: Off ►
	Sound Select	: Main ►
Setup	◆ Move Enter Return	

2
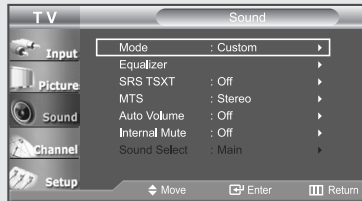
Press the **UP/DOWN** ▲▼ buttons to select "MTS", then press the **ENTER** button.

TV	Sound	
Input	Mode	: Custom ►
Picture	Equalizer	►
	SRS TSXT	: Off ►
Sound	MTS	: Stereo ►
	Auto Volume	: Off ►
Channel	Internal Mute	: Off ►
	Sound Select	: Main ►
Setup	◆ Move Enter Return	

3
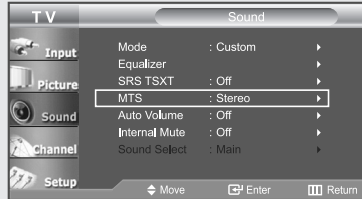
Press the **UP/DOWN** ▲▼ buttons to select "Mono", "Stereo" or "SAP", then press the **ENTER** button.

Press the **EXIT** button to exit.

TV	Sound	
Input	Mode	: Custom
Picture	Equalizer	
	SRS TSXT	: Off
Sound	MTS	: Mono
	Auto Volume	: Stereo
Channel	Internal Mute	: SAP
	Sound Select	: Main
Setup	◆ Move Enter Return	
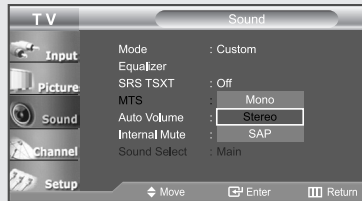
◀ When you change channels, MTS is set to "Stereo" automatically.

Alternate method:

Simply press the **MTS** button on the remote control to change the MTS settings.

- Choose *Mono* for channels that are broadcasting in mono, or if you are having 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.

Automatic volume control

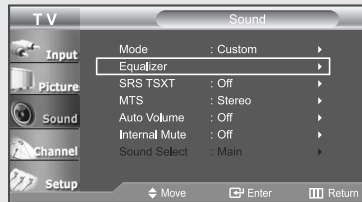Reduces the differences in volume level among broadcasters.

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Sound", then press the **ENTER** button.

T V	Sound	
Input	Mode	: Custom ►
Picture	Equalizer	►
	SRS TSXT	: Off ►
Sound	MTS	: Stereo ►
	Auto Volume	: Off ►
Channel	Internal Mute	: Off ►
Setup	Sound Select	: Main ►
	♦ Move	Enter Return

2
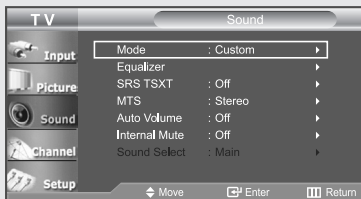
Press the **UP/DOWN** ▲▼ buttons to select "Auto Volume", then press the **ENTER** button.

T V	Sound	
Input	Mode	: Custom ►
Picture	Equalizer	►
	SRS TSXT	: Off ►
Sound	MTS	: Mono ►
	Auto Volume	: Off ►
Channel	Internal Mute	: Off ►
Setup	Sound Select	: Main ►
	♦ Move	Enter Return

3

Press the **UP/DOWN** ▲▼ buttons to set Auto Volume "On".

Press the **EXIT** button to exit.

T V	Sound	
Input	Mode	: Custom
Picture	Equalizer	
	SRS TSXT	: Off
Sound	MTS	: Stereo
	Auto Volume	: Off
Channel	Internal Mute	: On
Setup	Sound Select	: Main
	♦ Move	Enter Return

Selecting the Internal Mute
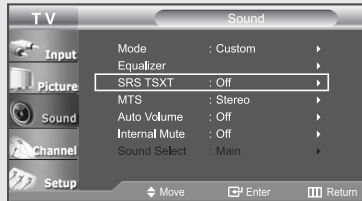
Sound output from the TV speakers is muted.

1

Press the **MENU** ▥ button to display the menu.

Press the **UP/DOWN** ▲▼ buttons to select "Sound", then press the **ENTER** ⊕ button.

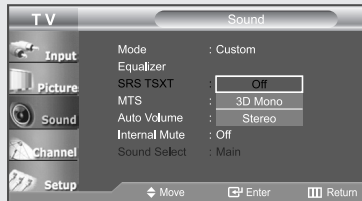| T V		Sound	
Input	Mode	: Custom	▶
	Equalizer		▶
Picture	SRS TSXT	: Off	▶
	MTS	: Stereo	▶
Sound	Auto Volume	: Off	▶
	Internal Mute	: Off	▶
Channel	Sound Select	: Main	▶
Setup			
	◆ Move	⊕ Enter	▥ Return

2
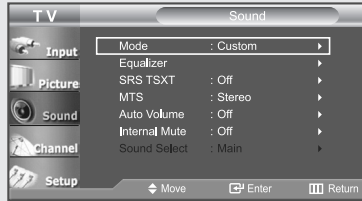
Press the **UP/DOWN** ▲▼ buttons to select "Internal Mute", then press the **ENTER** ⊕ button.

T V		Sound	
Input	Mode	: Custom	▶
	Equalizer		▶
Picture	SRS TSXT	: Off	▶
	MTS	: Stereo	▶
Sound	Auto Volume	: Off	▶
	Internal Mute	: Off	▶
Channel	Sound Select	: Main	▶
Setup			
	◆ Move	⊕ Enter	▥ Return

3

Press the **UP/DOWN** ▲▼ buttons to select "On", Then Press the **ENTER** ⊕ button.

Press the **EXIT** button to exit.

T V		Sound	
Input	Mode	: Custom	
	Equalizer		
Picture	SRS TSXT	: Off	
	MTS	: Stereo	
Sound	Auto Volume	: Off	
	Internal Mute	: Off	
Channel	Sound Select	On	
Setup			
	◆ Move	⊕ Enter	▥ Return

◀ When "Internal mute" is set to "On", Sound menus except "MTS" and "Sound Select" cannot be adjusted.

Selecting the Main or Sub (PIP) Sound

You can select either Main or Sub sound when PIP is On.

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Sound", then press the **ENTER** button.

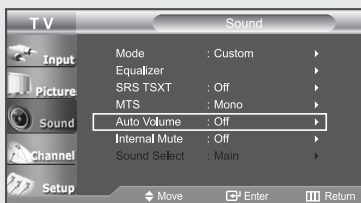| TV	Sound	
Input	Mode	: Custom ▶
	Equalizer	▶
Picture	SRS TSXT	: Off ▶
	MTS	: Stereo ▶
Sound	Auto Volume	: Off ▶
	Internal Mute	: Off ▶
Channel	Sound Select	: Main ▶
Setup		
	◆ Move	Enter Return

2
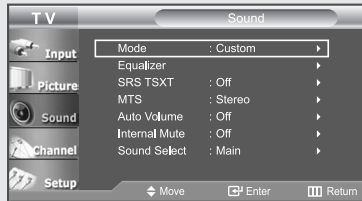
Press the **UP/DOWN** ▲▼ buttons to select "Sound Select", then press the **ENTER** button.

TV	Sound	
Input	Mode	: Custom ▶
	Equalizer	▶
Picture	SRS TSXT	: Off ▶
	MTS	: Stereo ▶
Sound	Auto Volume	: Off ▶
	Internal Mute	: Off ▶
Channel	Sound Select	: Main ▶
Setup		
	◆ Move	Enter Return

3

Press the **UP/DOWN** ▲▼ buttons to select "Main" or "Sub".
Select "Main" to hear the main TV sound and select "Sub" to hear the PIP window sound.

Press the **EXIT** button to exit.

TV	Sound	
Input	Mode	: Custom
	Equalizer	
Picture	SRS TSXT	: Off
	MTS	: Stereo
Sound	Auto Volume	: Off
	Internal Mute	: Off
Channel	Sound Select	: Main
Setup		Sub
	◆ Move	Enter Return

English-49
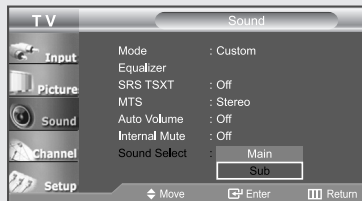
Fine Tuning Channels

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

1

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

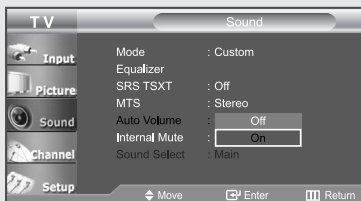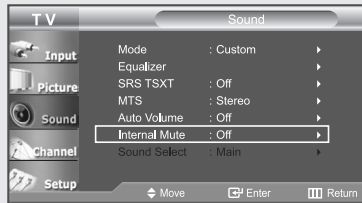Press the **UP/DOWN** ▲▼ buttons to select "Channel", then press the **ENTER** button.

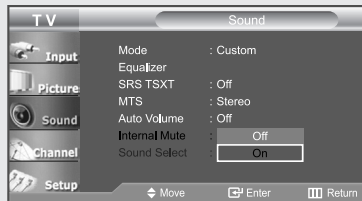| T V	Channel
Input	Air/Cable : Air ▸
Picture	Auto Program ▸
	Add/Delete ▸
Sound	Fine Tune ▸
Channel	
Setup	⬥ Move ⊞ Enter Ⅲ Return

2

Press the **UP/DOWN** ▲▼ buttons to select "Fine Tune", then press the **ENTER** button.

T V	Channel
Input	Air/Cable : Air ▸
Picture	Auto Program ▸
	Add/Delete ▸
Sound	Fine Tune ▸
Channel	
Setup	⬥ Move ⊞ Enter Ⅲ Return

3

Press the **LEFT/RIGHT** ◀▶ buttons to adjust the fine tuning.

Fine Tune
Air   3
▯   0
Reset
⬥ Move   ◀▶ Adjust   ⊞ Save

◀ If you do not store the fine-tuned channel in memory, adjustments are not saved.

4

To store the fine tuning setting in the TV's memory, press the **ENTER** button.

Press the **EXIT** button to exit.

Fine Tune
Air   3 *
▯   22
Reset
⬥ Move   ◀▶ Adjust   ⊞ Save

Fine Tune
Air   3
▯   0
Reset
⬥ Move   ⊞ Enter   Ⅲ Return
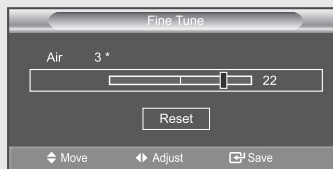
◀ Fine tuned channels that have been saved are marked with an asterisk "*" on the right-hand side of the channel number in the channel banner.

Air   3*
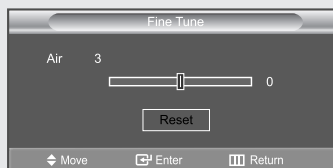
◀ Press the **UP/DOWN** ▲▼ button to select "Reset", than press the **ENTER** button.

Using Your TV as a Computer (PC) Display

Setting Up Your PC Software (Based on Windows XP)

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

1 First, click on "**Control Panel**" on the Windows start menu.
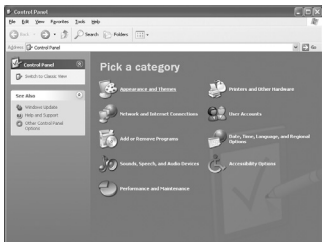
2 When the control panel window appears, click on "**Appearance and Themes**" and a display dialog-box will appear.
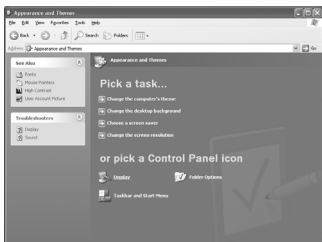
3 When the control panel window appears, click on "**Display**" and a display dialog-box will appear.

4 Navigate to the "**Settings**" tab on the display dialog-box.

The correct size setting (resolution)
-Optimum: 1360 x 768 pixels

If a vertical-frequency option exists on your display settings dialog box, the correct value is "**60**" or "**60 Hz**". Otherwise, just click "**OK**" and exit the dialog box.

∗ See "Display Modes" on page 77.

How to Auto Adjust

Use the Auto Adjust function to have the TV set automatically adjust the video signals the monitor receives. The function also automatically fine-tunes the settings and adjusts the frequency values and positions.

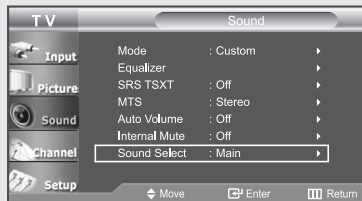**Press the PC button under the remote's cover to select the PC mode.**

1

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

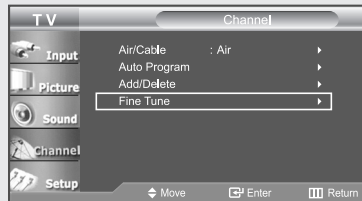Press the **UP/DOWN** ▲▼ buttons to select "Setup", then press the **ENTER** button.

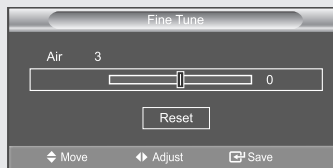Press the **UP/DOWN** ▲▼ buttons to select "PC", then press the **ENTER** button.

TV		Setup	
Input	Plug & Play		▶
	Language	: English	▶
Picture	Time		▶
	Child Lock		▶
Sound	Caption		▶
	Blue Screen	: Off	▶
Channel	Melody	: Off	▶
	PC		▶
Setup	◆ Move	↵ Enter	▥ Return

TV		Setup	
Input	Plug & Play		▶
	Language	: English	▶
Picture	Time		▶
	Child Lock		▶
Sound	Caption		▶
	Blue Screen	: Off	▶
Channel	Melody	: Off	▶
	PC		▶
Setup	◆ Move	↵ Enter	▥ Return

2

Press the **UP/DOWN** ▲▼ buttons to select "Auto Adjustment", then press the **ENTER** button.

TV		PC	
Input	Image Lock		▶
	Position		▶
Picture	Auto Adjustment		▶
	Image Reset		▶
Sound			
Channel			
Setup	◆ Move	↵ Enter	▥ Return

Auto Adjustment in progress.
Please wait.

Adjusting the Screen Quality

The purpose of the picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by fine tuning alone, then do the frequency adjustments to the utmost and fine tune again. After the noise has been reduced, re-adjust the picture so that it is aligned on the center of screen.

Press the PC button under the remote's cover to select the PC mode.

1

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

Press the **UP/DOWN ▲▼** buttons to select "Setup", then press the **ENTER** button.

Press the **UP/DOWN ▲▼** buttons to select "PC" then press the **ENTER** button.

	TV	Setup
	Input	Plug & Play
	Picture	Language : English
	Sound	Time
		Child Lock
	Channel	Caption
	Setup	Blue Screen : Off
		Melody : Off
		PC

♦ Move   Enter   Return

	TV	Setup
	Input	Plug & Play
	Picture	Language : English
	Sound	Time
		Child Lock
	Channel	Caption
	Setup	Blue Screen : Off
		Melody : Off
		PC

♦ Move   Enter   Return

2

Press the **ENTER** button to select "Image Lock".

	TV	PC
	Input	Image Lock
	Picture	Position
		Auto Adjustment
	Sound	Image Reset
	Channel	
	Setup	

♦ Move   Enter   Return

3

Press the **UP/DOWN ▲▼** buttons to select "Coarse" or "Fine", then press the **ENTER** button.

Press the **LEFT/RIGHT ◄►** buttons to adjust the screen quality. Vertical stripes may appear or the picture may be blurry.

Press the **EXIT** button to exit.

	TV	Image Lock
	Input	Coarse ▭▭▭ 50
	Picture	Fine ▭▭▭ 50
	Sound	
	Channel	
	Setup	

♦ Move   Enter   Return

Coarse   ▭▭▭   50

<Adjusting Coarse>

Fine   ▭▭▭   50

<Adjusting Fine>
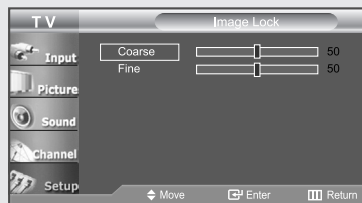
Changing the Screen Position

Press the PC button under the remote's cover to select the PC mode.

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Setup", then press the **ENTER** button.

TV	Setup
Input	Plug & Play ▶
Picture	Language : English ▶
	Time ▶
Sound	Child Lock ▶
	Caption ▶
Channel	Blue Screen : Off ▶
	Melody : Off ▶
Setup	PC ▶
	♦ Move ☐ Enter Ⅲ Return

2

Press the **UP/DOWN** ▲▼ buttons to select "PC", then press the **ENTER** button.

Press the **UP/DOWN** ▲▼ buttons to select "Position", then press the **ENTER** button.

TV	Setup
Input	Plug & Play ▶
Picture	Language : English ▶
	Time ▶
Sound	Child Lock ▶
	Caption ▶
Channel	Blue Screen : Off ▶
	Melody : Off ▶
Setup	PC ▶
	♦ Move ☐ Enter Ⅲ Return

TV	PC
Input	Image Lock ▶
Picture	Position ▶
	Auto Adjustment ▶
Sound	Image Reset ▶
Channel	
Setup	
	♦ Move ☐ Enter Ⅲ Return

3

Press the **UP/DOWN** ▲▼ buttons to adjust the V-Position.

Press the **LEFT/RIGHT** ◀▶ buttons to adjust the H-Position.

Press the **EXIT** button to exit.

TV	Position
Input	
Picture	
Sound	
Channel	
Setup	
	♦ Move ☐ Enter Ⅲ Return

TV	Position
Input	
Picture	
Sound	
Channel	
Setup	
	♦ Move ☐ Enter Ⅲ Return

Initializing the Screen Position or Color Settings

Press the PC button under the remote's cover to select the PC mode.

1

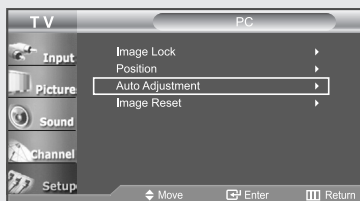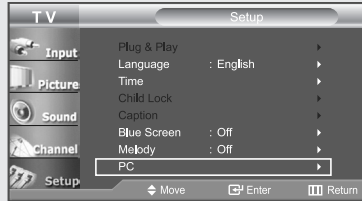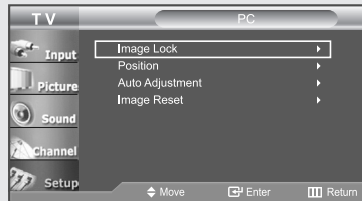Press the **MENU** button to display the menu.

Press the **UP/DOWN** ▲▼ buttons to select "Setup", then press the **ENTER** button.

Press the **UP/DOWN** ▲▼ buttons to select "PC", then press the **ENTER** button.

T V		Setup	
Input	Plug & Play		▶
	Language	: English	▶
	Time		▶
Picture	Child Lock		▶
	Caption		▶
Sound	Blue Screen	: Off	▶
	Melody	: Off	▶
Channel	PC		▶
Setup	◆ Move	Enter	Return

T V		Setup	
Input	Plug & Play		▶
	Language	: English	▶
	Time		▶
Picture	Child Lock		▶
	Caption		▶
Sound	Blue Screen	: Off	▶
	Melody	: Off	▶
Channel	PC		▶
Setup	◆ Move	Enter	Return

2
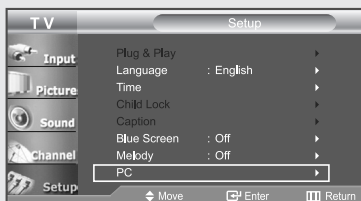
Press the **UP/DOWN** ▲▼ buttons to select "Image Reset", then press the **ENTER** button.

Press the **EXIT** button to exit.

T V		PC	
Input	Image Lock		▶
	Position		▶
Picture	Auto Adjustment		▶
	Image Reset		▶
Sound			
Channel			
Setup	◆ Move	Enter	Return

Image reset is completed.

Return

English-55

Chapter 8

TIME SETTING

Setting the Clock

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).

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Setup", then press the **ENTER** button.

Press the **UP/DOWN** ▲▼ buttons to select "Time", then press the **ENTER** button.

T V	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
	Time	▶
Sound	Child Lock	▶
	Caption	▶
Channel	Blue Screen : Off	▶
	Melody : Off	▶
Setup	PC	▶
	♦ Move ☐ Enter ▥ Return	

T V	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
	Time	▶
Sound	Child Lock	▶
	Caption	▶
Channel	Blue Screen : Off	▶
	Melody : Off	▶
Setup	PC	▶
	♦ Move ☐ Enter ▥ Return	

2

Press the **ENTER** button to select "Time", then press the **ENTER** button to select "Clock Set".

T V	Time	
Input	Clock Set : -- : -- am	▶
Picture	Sleep Timer : Off	▶
	On Timer : 12 : 00 am Off	▶
Sound	Off Timer : 12 : 00 am Off	▶
Channel		
Setup	♦ Move ☐ Enter ▥ Return	

3

Press the **UP/DOWN** ▲▼ buttons repeatedly until the correct "Hour" appears.

After the hour is entered, press the **LEFT/RIGHT** ◀▶ buttons to select "Minute".

Press the **UP/DOWN** ▲▼ buttons until the correct "Minute" appears.

Press the **LEFT/RIGHT** ◀▶ buttons to select "am/pm" and adjust with the **UP/DOWN** ▲▼ buttons.

Press the **EXIT** button to exit.

T V	Clock Set	
Input	Hour Minute am/pm	
Picture	▲	
	12 00 am	
Sound	▼	
Channel		
Setup	◀▶ Move ♦ Adjust ▥ Return	

◀ You can also set the time using the number buttons on the remote.

Setting the Sleep Timer

Set the timer for the TV to turn off at the preset time automatically.

Sleep timer

1

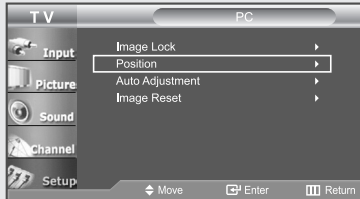Press the **MENU** button to display the menu.

Press the **UP/DOWN** ▲▼ buttons to select "Setup", then press the **ENTER** button.

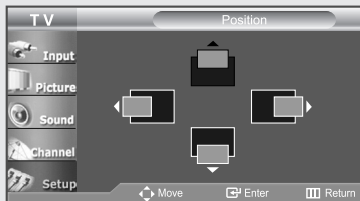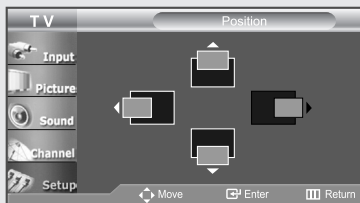Press the **UP/DOWN** ▲▼ buttons to select "Time", then press the **ENTER** button.

TV	Setup	
Input	Plug & Play	▶
	Language : English	▶
	Time	▶
Picture	Child Lock	▶
	Caption	▶
Sound	Blue Screen : Off	▶
Channel	Melody : Off	▶
	PC	▶
Setup	♦ Move Enter Return	

TV	Setup	
Input	Plug & Play	▶
	Language : English	▶
Picture	Time	▶
	Child Lock	▶
Sound	Caption	▶
	Blue Screen : Off	▶
Channel	Melody : Off	▶
	PC	▶
Setup	♦ Move Enter Return	

2

Press the **UP/DOWN** ▲▼ buttons to select "Sleep Timer", then press the **ENTER** button.

TV	Time	
Input	Clock Set : 12 : 00 am	▶
	Sleep Timer : Off	▶
Picture	On Timer : 12 : 00 am Off	▶
	Off Timer : 12 : 00 am Off	▶
Sound		
Channel		
Setup	♦ Move Enter Return	

3

Press the **UP/DOWN** ▲▼ buttons repeatedly until the correct time appears.

Press the **EXIT** button to exit.

TV	Time	
Input	Clock Set : 12 : 00 am	
	Sleep Timer : Off	
Picture	On Timer : 30	
	Off Timer : 60	
Sound	90	
	120	
Channel	150	
	180	
Setup	♦ Move Enter Return	

Alternate method:

Press the **SLEEP** button on the remote. The number on the screen changes from Off • 30 • 60 • 90 • 120 • 150 • 180

Setting the On/Off Timer
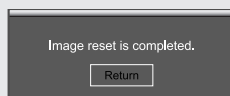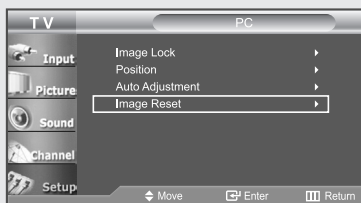
1

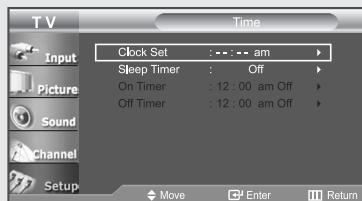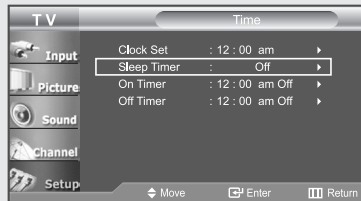Press the **MENU** button to display the menu.

Press the **UP/DOWN** buttons to select "Setup", then press the **ENTER** button.

Press the **UP/DOWN** buttons to select "Time", then press the **ENTER** button.

TV	Setup
Input	
Picture	Plug & Play ▶
	Language : English ▶
Sound	Time ▶
	Child Lock ▶
Channel	Caption ▶
	Blue Screen : Off ▶
Setup	Melody : Off ▶
	PC
	♦ Move 🔁 Enter 🎚 Return

TV	Setup
Input	
Picture	Plug & Play ▶
	Language : English ▶
Sound	Time ▶
	Child Lock ▶
Channel	Caption ▶
	Blue Screen : Off ▶
Setup	Melody : Off ▶
	PC
	♦ Move 🔁 Enter 🎚 Return

◀ Before using the timer, you must set the TV's clock.

2
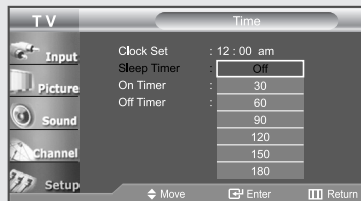
Press the **UP/DOWN** buttons to select "On Timer", then press the **ENTER** button.

Press the **UP/DOWN** buttons repeatedly to select the appropriate "Hour".

Press the **LEFT/RIGHT** buttons to select "Minute".

Press the **UP/DOWN** buttons repeatedly to select the appropriate "Minute".

Set other items using the same method as above.

TV	Time
Input	Clock Set : 12 : 00 am ▶
Picture	Sleep Timer : Off ▶
Sound	On Timer : 12 : 00 am Off ▶
Channel	Off Timer : 12 : 00 am Off ▶
Setup	
	♦ Move 🔁 Enter 🎚 Return

TV	Time
Input	Clock Set : 12 : 00 am ▶
Picture	Sleep Timer : Off ▶
Sound	On Timer : 12 : 00 am Off ▶
Channel	Off Timer : 12 : 00 am Off ▶
Setup	
	♦ Move 🔁 Enter 🎚 Return

TV	On Timer
Input	Hour Minute am/pm
Picture	12 00 am
Sound	Channel
	03
Channel	Volume Activation
Setup	10 No
	◀▶ Move ♦ Adjust 🎚 Return

◀ When you set the hours, make sure the correct time of day (am or pm) appears to the right of the time.

◀ You can also set the time using the number buttons on the remote.

English-58

3

Press the **LEFT/RIGHT ◀▶**
buttons to select "Activation".
Press the **UP/DOWN ▲▼**
buttons to set the On Time
"Yes".

When finished, press the
ENTER button.

TV	On Timer
Input	
Picture	Hour Minute am/pm
	12 00 am
Sound	Channel
	03
Channel	Volume Activation
	10 Yes
Setup	◀▶ Move ▲▼ Adjust ▥ Return
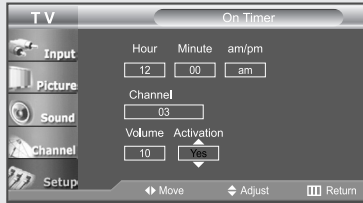
◀ To deactivate the "On Timer,"
  select "No" during this step.

◀ Repeatedly pressing the
  UP/DOWN ▲▼ buttons
  will alternate between
  "Yes" and "No".

4

To set the Off time, press the
UP/DOWN ▲▼ buttons to
select "Off Timer".
Press the **ENTER** button
and set the hours and
minutes.
(Follow the same procedure
as in steps 2 and 3 above).

TV	Time
Input	Clock Set : 12 : 00 am ▶
Picture	Sleep Timer : Off ▶
	On Timer : 12 : 00 am On ▶
Sound	Off Timer : 12 : 00 am Off ▶
Channel	
Setup	▲▼ Move ⏎ Enter ▥ Return

TV	Off Timer
Input	
Picture	Hour Minute am/pm
	12 00 am
Sound	Activation
	No
Channel	
Setup	◀▶ Move ▲▼ Adjust ▥ Return
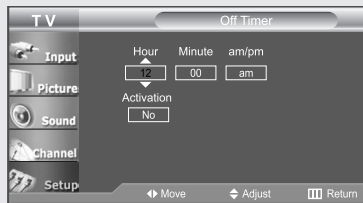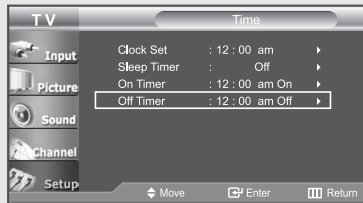
◀ You can also set the time
  using the number buttons
  on the remote.

5

When finished setting the timer, press the **EXIT** button to exit.

• **Auto Power Off**
  When you set the timer on, your television will be turned
  off if you do not operate any controls for 3 hours after
  the TV has been turned on with the 'Timer On' function.

Selecting a Menu Language
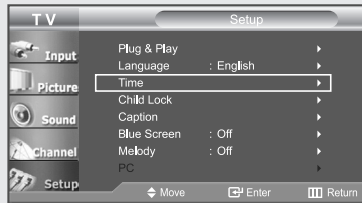
1

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

Press the **UP/DOWN** ▲▼ buttons to select "Setup", then press the **ENTER** button.

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
	Child Lock	▶
Channel	Caption	▶
	Blue Screen : Off	▶
Setup	Melody : Off	▶
	PC	▶
	◆ Move	⊡ Enter	▥ Return

2

Press the **UP/DOWN** ▲▼ buttons to select "Language". Press the **ENTER** button.

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
	Child Lock	▶
Channel	Caption	▶
	Blue Screen : Off	▶
Setup	Melody : Off	▶
	PC	▶
	◆ Move	⊡ Enter	▥ Return

3

Press the **UP/DOWN** ▲▼ buttons to select "English", "Français", "Español", or "Português".

Press the **EXIT** button to exit.

| TV	Setup	
Input	Plug & Play	
Picture	Language :	English
Sound	Time	Français
	Child Lock	Español
Channel	Caption	Português
	Blue Screen : Off	
Setup	Melody : Off	
	PC	
	◆ Move	⊡ Enter	▥ Return

Activating the Child Lock

This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by muting out video and audio. Child Lock cannot be released using front panel buttons. Only remote control can release the Child Lock setting, so keep the remote control away from children.

Note: This function does not work in PC mode.

1

Press the **MENU** button to display the on-screen menu.

Press the **UP/DOWN** ▲▼ buttons to select "Setup", then press the **ENTER** button.

TV	Setup
Input	Plug & Play ▶
Picture	Language : English ▶
Sound	Time ▶
	Child Lock ▶
Channel	Caption ▶
	Blue Screen : Off ▶
Setup	Melody : Off ▶
	PC ▶
	♦ Move Enter Return

2

Press the **UP/DOWN** ▲▼ buttons to select "Child Lock", then press the **ENTER** button.

Press the **ENTER** button.

TV	Setup
Input	Plug & Play ▶
Picture	Language : English ▶
Sound	Time ▶
	Child Lock ▶
Channel	Caption ▶
	Blue Screen : Off ▶
Setup	Melody : Off ▶
	PC ▶
	♦ Move Enter Return

TV	Child Lock
Input	Child Lock : Off ▶
Picture	Channel : Air 4 ▶
	Lock : Unlocked ▶
Sound	
Channel	
Setup	
	♦ Move Enter Return

3

Press the **UP/DOWN** ▲▼ buttons to select "On", then press the **ENTER** button.

TV	Child Lock
Input	Child Lock : Off
Picture	Channel On
	Lock : Unlocked
Sound	
Channel	
Setup	
	♦ Move Enter Return

◀ Select "Off" to deactivate "Child Lock".

4

Press the **UP/DOWN** ▲▼ buttons to select "Channel", then press the **ENTER** button.

Press the **UP/DOWN** ▲▼ buttons to select the channels to lock.

Press the **ENTER** button.

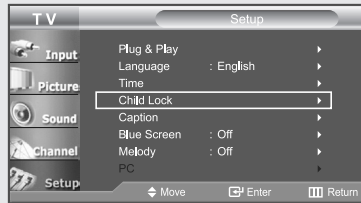| T V	Child Lock
Input	Child Lock : On
Picture	Channel Air 4
Sound	Lock : Unlocked
Channel	
Setup	◆ Adjust Enter Return

5

Press the **UP/DOWN** ▲▼ buttons to select "Lock", then press the **ENTER** button.

Press the **UP/DOWN** ▲▼ buttons to select "Locked" to lock the channels.

Press the **ENTER** button.

T V	Child Lock
Input	Child Lock : On
Picture	Channel : Air 4
Sound	Lock Unlocked
Channel	Locked
Setup	◆ Move Enter Return

◀ Lock icon appears next to the locked channels.

"🔒 Air 4*"

◀ A blue scree is displayed when the "Child Lock" is activated.

6

Repeat step 4 and 5 to lock or unlock channels.

Press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

Viewing Closed Captions

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

1

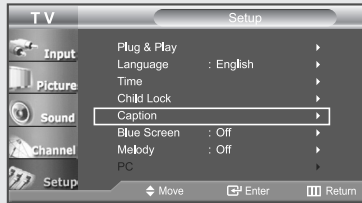Press the **MENU** button to display the menu.

Press the **UP/DOWN** ▲▼ buttons to select "Setup", then press the **ENTER** button.

TV	Setup
Input	Plug & Play ▶
Picture	Language : English ▶
	Time ▶
	Child Lock ▶
Sound	Caption ▶
	Blue Screen : Off ▶
Channel	Melody : Off ▶
Setup	PC ▶
	♦ Move ⏎ Enter ▥ Return

◀ The Caption feature does not work with DVD or Set-top box signals.

2

Press the **UP/DOWN** ▲▼ buttons to select "Caption", then press the **ENTER** button.

TV	Setup
Input	Plug & Play ▶
Picture	Language : English ▶
	Time ▶
	Child Lock ▶
Sound	Caption ▶
	Blue Screen : Off ▶
Channel	Melody : Off ▶
Setup	PC ▶
	♦ Move ⏎ Enter ▥ Return

3

Press the **ENTER** button to select "Caption".

Press the **UP/DOWN** ▲▼ buttons to set the Caption "On", then press the **ENTER** button.

TV	Caption
Input	Caption : Off ▶
Picture	Mode : Caption ▶
	Channel : 1 ▶
Sound	Field : 1 ▶
Channel	
Setup	
	♦ Move ⏎ Enter ▥ Return

TV	Caption
Input	Caption : Off
	: On
Picture	Mode
	Channel : 1
Sound	Field : 1
Channel	
Setup	
	♦ Move ⏎ Enter ▥ Return

Different channels and fields display different information: Field 2 carries additional information that supplements the information in Field 1. (For example, Channel 1 may have subtitles in English, while Channel 2 has subtitles
◀ in Spanish).

4

Depending on the particular broadcast, it might be necessary to alter the settings to "Channel" and "Field".

Alternate method:

Press the **CAPTION** button on the remote control.

5

Press the **UP/DOWN** ▲▼ buttons to select "Mode", then press the **ENTER** button.

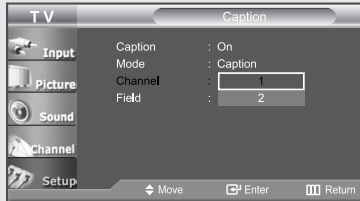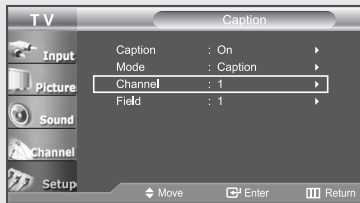Press the **UP/DOWN** ▲▼ buttons to set "Caption" or "Text", then press the **ENTER** button.

T V		Caption	
Input	Caption	: On	▶
Picture	Mode	: Caption	▶
Sound	Channel	: 1	▶
Channel	Field	: 1	▶
Setup	♦ Move	☐ Enter	Ⅲ Return

T V		Caption	
Input	Caption	: On	
Picture	Mode	:	Caption
Sound	Channel	:	Text
Channel	Field	: 1	
Setup	♦ Move	☐ Enter	Ⅲ Return

6

Press the **UP/DOWN** ▲▼ buttons to select "Channel", then press the **ENTER** button.

Press the **UP/DOWN** ▲▼ buttons to select "1" or "2", then press the **ENTER** button.
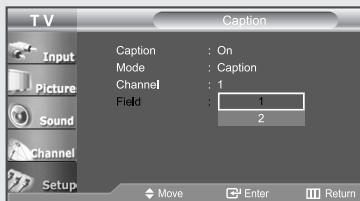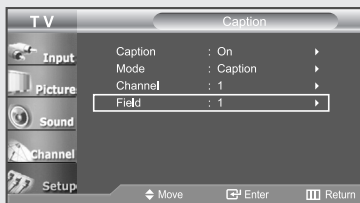
T V		Caption	
Input	Caption	: On	▶
Picture	Mode	: Caption	▶
Sound	Channel	: 1	▶
Channel	Field	: 1	▶
Setup	♦ Move	☐ Enter	Ⅲ Return

T V		Caption	
Input	Caption	: On	
Picture	Mode	: Caption	
Sound	Channel	:	1
Channel	Field	:	2
Setup	♦ Move	☐ Enter	Ⅲ Return

7

Press the **UP/DOWN** ▲▼ buttons to select "Field", then press the **ENTER** button.

Press the **UP/DOWN** ▲▼ buttons to select "1" or "2", then press the **ENTER** button.

Press the **EXIT** button to exit.

T V		Caption	
Input	Caption	: On	▶
Picture	Mode	: Caption	▶
Sound	Channel	: 1	▶
Channel	Field	: 1	▶
Setup	♦ Move	☐ Enter	Ⅲ Return

| T V		Caption	
Input	Caption	: On	
Picture	Mode	: Caption	
Sound	Channel	: 1	
Channel	Field	:	1
Setup			2
	♦ Move	☐ Enter	Ⅲ Return

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 **UP/DOWN** ▲▼ buttons to select "Setup", then press the **ENTER** button.

TV		Setup	
Input	Plug & Play		▶
	Language	: English	▶
Picture	Time		▶
	Child Lock		▶
Sound	Caption		▶
	Blue Screen	: Off	▶
Channel	Melody	: Off	▶
	PC		▶
Setup			
	♦ Move	⏎ Enter	▥ Return

2

Press the **UP/DOWN** ▲▼ buttons to select "Blue Screen", then press the **ENTER** button.

TV		Setup	
Input	Plug & Play		▶
	Language	: English	▶
Picture	Time		▶
	Child Lock		▶
Sound	Caption		▶
	Blue Screen	: Off	▶
Channel	Melody	: Off	▶
	PC		▶
Setup			
	♦ Move	⏎ Enter	▥ Return

3

Press the **UP/DOWN** ▲▼ buttons to set Blue Screen "On".

Press the **EXIT** button to exit.

| TV		Setup	
Input	Plug & Play		
	Language	: English	
Picture	Time		
	Child Lock		
Sound	Caption		
	Blue Screen	: Off	
Channel	Melody	: On	
	PC		
Setup			
	♦ Move	⏎ Enter	▥ Return

Selecting the Melody

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

1

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

Press the **UP/DOWN** ▲▼ buttons to select "Setup", then press the **ENTER** button.

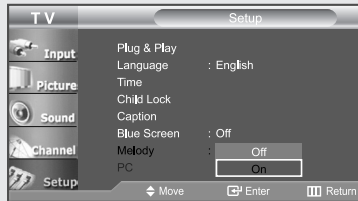| TV	Setup
Input	Plug & Play ▶
Picture	Language : English ▶
	Time ▶
Sound	Child Lock ▶
	Caption ▶
Channel	Blue Screen : Off ▶
	Melody : Off ▶
Setup	PC ▶
	◆ Move ⏎ Enter Ⅲ Return

2

Press the **UP/DOWN** ▲▼ buttons to select "Melody", then press the **ENTER** button.

TV	Setup
Input	Plug & Play ▶
Picture	Language : English ▶
	Time ▶
Sound	Child Lock ▶
	Caption ▶
Channel	Blue Screen : Off ▶
	Melody : Off ▶
Setup	PC ▶
	◆ Move ⏎ Enter Ⅲ Return

3

Press the **UP/DOWN** ▲▼ buttons to select "On".

Press the **EXIT** button to exit.

TV	Setup
Input	Plug & Play
Picture	Language : English
	Time
Sound	Child Lock
	Caption
Channel	Blue Screen : Off
	Melody : Off
Setup	PC On
	◆ Move ⏎ Enter Ⅲ Return

Chapter 10

T ROUBLESHOOTING

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.

Identifying Problems

Problem	Possible Solution
Poor picture	Try another channel. Adjust the antenna. Check all wire connections.
Poor sound quality.	Try another channel. Adjust the antenna.
No picture or sound.	Try another channel. Press the SOURCE button. Make sure the TV is plugged in. Check the antenna connections.
No sound or sound is too low at maximum volume.	First, check the volume of units connected to your TV (digital broadcasting receiver, DTV, DVD, cable broadcasting receiver, VCR, etc.). Then, adjust the TV volume accordingly. Check if "Internal Mute" is off.
Picture rolls vertically.	Check all wire connections.
The TV operates erratically.	Unplug the TV for 30 seconds, then try operating it again.
Remote control malfunctions	Replace the remote control batteries. Clean the upper edge of the remote control (transmission window). Check the battery terminals.
"Check signal cable" message.	Ensure that the signal cable is firmly connected to the PC sources.
"Not Supported Mode" message.	Check the maximum resolution and the frequency of the Video Adapter. Compare these values with the data in the Display Modes.
The image is too light or too dark.	Adjust the Brightness and Contrast. Adjust the Fine tuning.
Horizontal bars appear to flicker, jitter or shimmer on the image.	Adjust the Coarse tuning and then adjust the Fine tuning.

Problem	Possible Solution
Vertical bars appear to flicker,jitter or shimmer on the image.	Adjust the Coarse tuning and then adjust the Fine tuning.
Screen is black and power indicator light blinks steadily.	On your computer check: Power, Signal Cable. The TV is using its power management system. Move the computer's mouse or press any key on the keyboard.

Image is not stable and may appear to vibrate when you have a computer connected to the PC input.

If the setting is not correct, use your computer utility program to change the display settings.

NOTE: Your TV supports multiscan display functions within the following frequency domain:

Horizontal frequency (kHz)	30~61
Vertical frequency (Hz)	60~75
Maximum refresh rate (at 60Hz)	1360 x 768

Problem	Possible Solution
Image is not centered on the screen.	Adjust the horizontal and vertical position. The screen position must be adjusted on the output source (i.e. STB) with a digital signal.
If a still image is displayed for an extended period of time, residual images or blurring may appear.	When you need to leave the monitor unused for an extended period of time, adjust the settings so that the monitor automatically goes into energy saving mode or activates the screen saver to display moving images.

The TFT LCD panel uses a panel consisting of sub pixels (3,147,264) which require sophisticated technology to produce.
However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Installing the stand

<2>

<3>
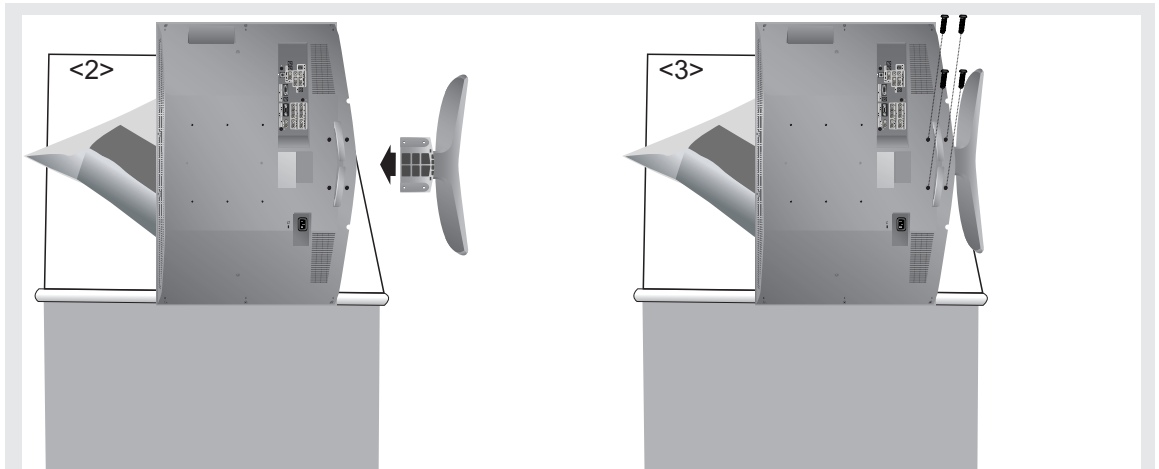
1. Place the TV faced down on a soft cloth or cushion on a table.
2. Attach the stand to the TV set as shown in the picture.
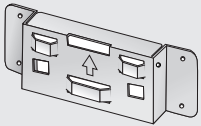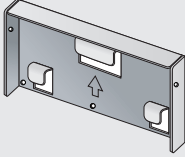3. Use the four screws to tightly fix the stand.

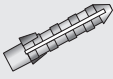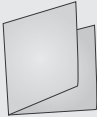# Disconnecting the stand

<2>

<3>

<4>
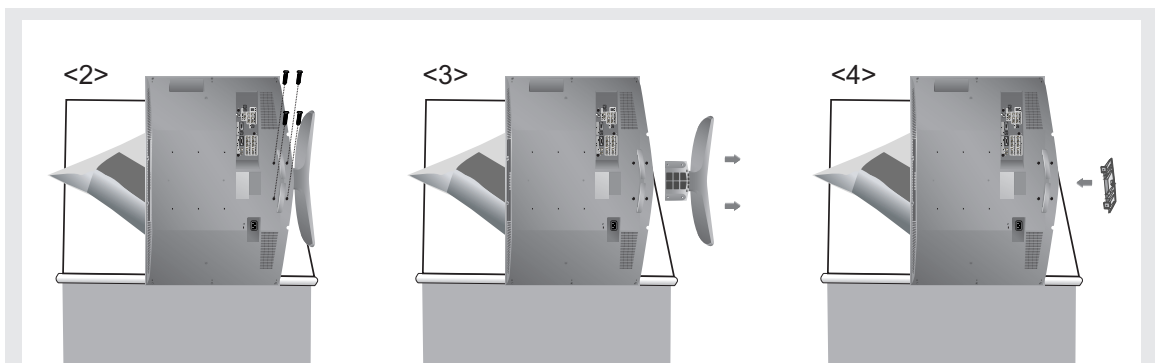
1. Place the TV faced down on a soft cloth or cushion on a table.
2. Remove four screws from the back of the TV.
3. Separate the stand from the TV.
4. Cover the bottom hole with a cap.

Installing the Wall Mount Kit
(LN26R51B)

Note: This installation is to be used when attaching the wall mount to a concrete wall.
When attaching to other building materials, please contact your nearest dealer.

Components (Sold separately)

		M4 X L12
ⓐ Wall-Bracket	ⓑ Set-Bracket	ⓒ Screw: 8EA
M4 X L20		
ⓓ Wood Screw: 4EA	ⓔ Anchor: 4EA	ⓕ Installation Guide

How to assemble the Wall Mount Bracket

1 ① Mark the location on the wall where the hole will be drilled.
② Drill a hole of 35mm depth on the marked location.
③ Fix anchors ⓔ on each hole on the wall.
④ Connect wall-bracket ⓐ to the wall with wood screws ⓓ after fitting anchors ⓔ into the wall-bracket ⓐ .

Note: If the bracket is not firmly fixed to the wall, LCD TV can fall off.
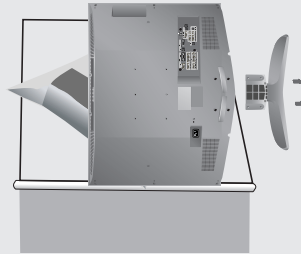
Installing the Wall Mount Kit
(LN26R51B)

How to assemble the Wall Mount Bracket

2 ① Turn the power off and unplug the power cord from the outlet.
   ② Place the TV faced down on a soft cloth or cushion on a table.
   ③ Remove the four screws from the back of the TV.
   ④ Separate the stand from the TV.
   ⑤ Cover the bottom hole with a cap.
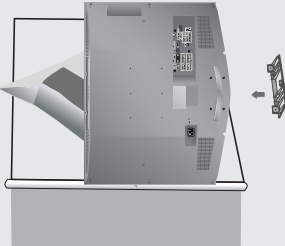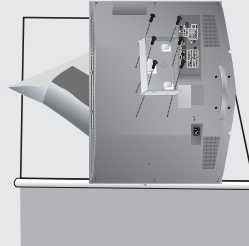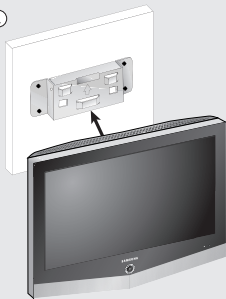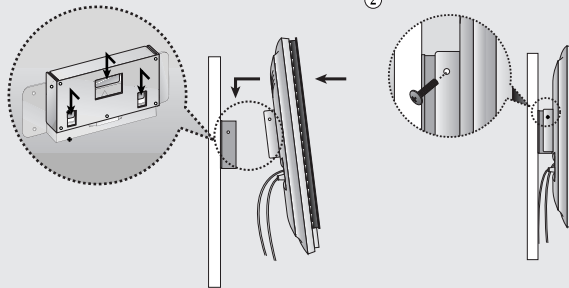   ⑥ Attach the set-bracket ❺ onto the rear side of the TV set and secure the screws ❻ .

③
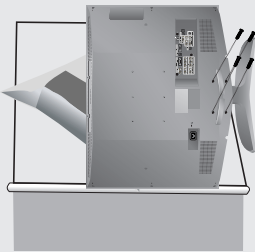
④

⑤

⑥

3 ① Insert three Hangers of the set-bracket ❺ into the grooves of the wall-bracket ❹ .
   ② Fix set-bracket ❺ and wall-bracket ❹ with screws ❻ .
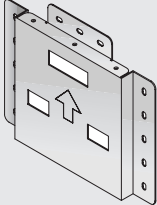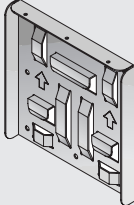   *Note: Before installing the set on the wall, connect the cables to the set first.*
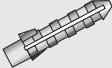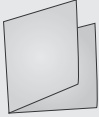
①

②

Installing the Wall Mount Kit
(LN32R51B / LN40R51B)

Note: This installation is to be used when attaching the wall mount to a concrete wall.
When attaching to other building materials, please contact your nearest dealer.

Components (Sold separately)

ⓐ Wall-Bracket	ⓑ Set-Bracket	M6 X L14 ⓒ Screw: 8EA
M4 X L20 ⓓ Wood Screw: 4EA	ⓔ Anchor: 4EA	M4 X L8 ⓕ Screw: 3EA
		ⓖ Installation Guide

How to assemble the Wall Mount Bracket

1 ① Mark the location on the wall where the hole will be drilled.
② Drill a hole of 35mm depth on the marked location.
③ Fix anchors ⓔ on each hole on the wall.
④ Connect wall-bracket ⓐ to the wall with wood screws ⓓ after fitting anchors ⓔ into the wall-bracket ⓐ.

Note: If the bracket is not firmly fixed to the wall, LCD TV can fall off.

Installing the Wall Mount Kit
(LN32R51B / LN40R51B)

How to assemble the Wall Mount Bracket

2 ① Turn the power off and unplug the power cord from the outlet.
  ② Place the TV faced down on a soft cloth or cushion on a table.
  ③ Remove the four screws from the back of the TV.
  ④ Separate the stand from the TV.
  ⑤ Cover the bottom hole with a cap.
  ⑥ Loosen two screws on the rear side of the TV set (only model LN40R51B applied.)
  ⑦ Attach the set-bracket ⓑ onto the rear side of the TV set and secure the screws ⓒ.
    For 40 inches model, attach the bracket into the two holes with the two screws removed
    in step 6 above.
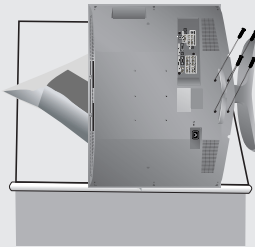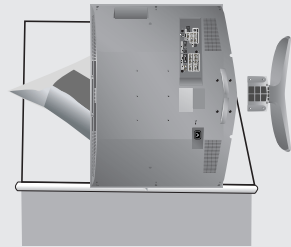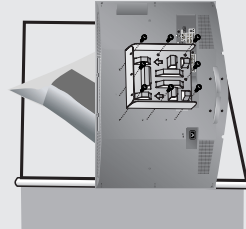
(Only Model LN40R51B Applied)

3 ① Insert three Hangers of the set-bracket ⓑ into the grooves of the wall-bracket ⓐ.
  ② Fix set-bracket ⓑ and wall-bracket ⓐ with screws ⓕ.
  Note: Before installing the set on the wall, connect the cables to the set first.
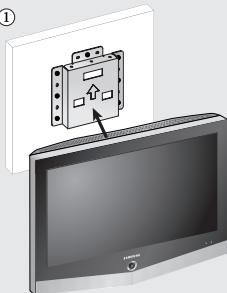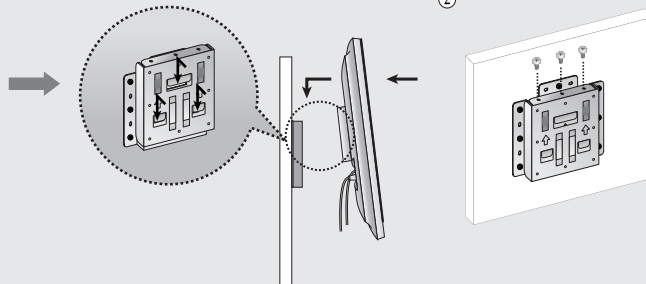
Using the Anti-Theft Kensington Lock

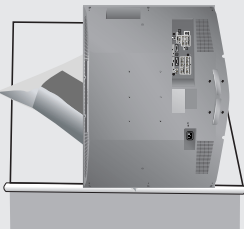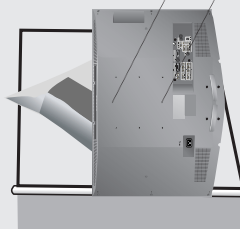The Kensington lock is a device used to physically fix the system when using it in
a public place.
The locking device has to be purchased separately. The appearance and locking method may
differ from the illustration depending on the manufacturer. Please refer
to the manual provided with the Kensington lock for proper use.

Cable

Figure 2

Figure 1

<Optional>
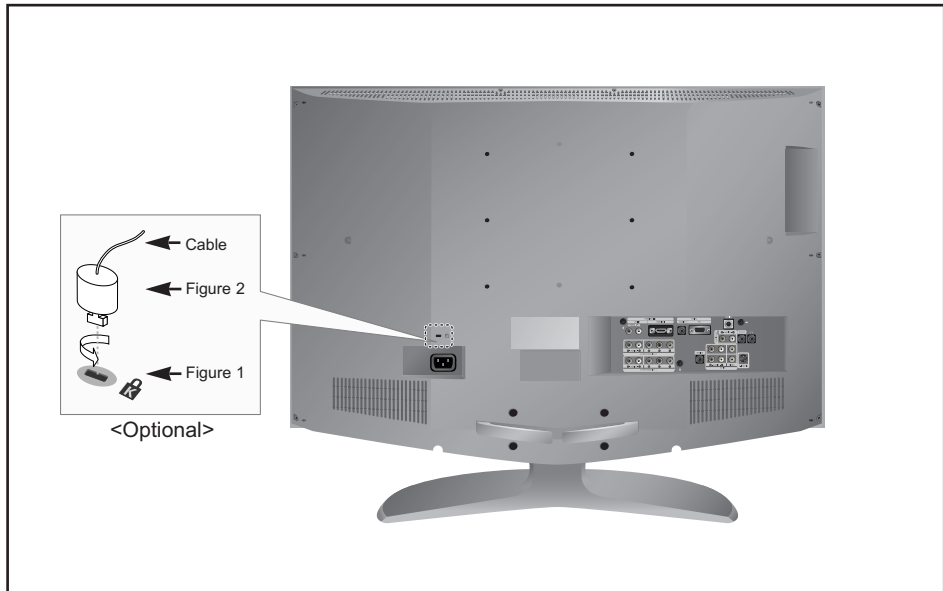
1. Insert the locking device into the Kensington slot on the LCD TV (Figure 1),
   and turn it in the locking direction (Figure 2).

2. Connect the Kensington lock cable.

3. Fix the Kensington lock to a desk or a heavy stationary object.

Using Your TV in Another Country

If you plan to take your TV with you to a foreign country, please be aware of the
different television systems that are in use around the world. A TV designed for one
system may not work properly with another system due to differences in the TV
channel frequencies.

Specifications

Model Name	LN26R51B	LN32R51B	LN40R51B
Panel			
Size	26" Diagonal (16:9)	32" Diagonal (16:9)	40" Diagonal (16:9)
Display Size	22.67 (H) x 12.74 (V) inches	27.47 (H) x 15.44 (V) inches	34.85 (H) x 19.59 (V) inches
	(575.77 (H) x 323.71 (V) mm)	(697.68 (H) x 392.26 (V) mm)	(885.17 (H) x 497.66 (V) mm)
Type	a-si TFT active matrix	a-si TFT active matrix	a-si TFT active matrix
Pixel Pitch	0.0166 (H) x 0.0166 (V) inches	0.020 (H) x 0.020 (V) inches	0.027 (H) x 0.0085 (V) inches
	(0.4215 (H) x 0.4215 (V) mm)	(0.511 (H) x 0.511 (V) mm)	(0.648 (H) x 0.216 (V) mm)
Viewing Angle	170/170 (H/V)	170/170 (H/V)	170/170 (H/V)
Resolution	1366 (H) x 768 (V)	1366 (H) x 768 (V)	1366 (H) x 768 (V)
Frequency			
Horizontal	30 ~ 61 kHz	30 ~ 61 kHz	30 ~ 61 kHz
Vertical	60 ~ 75 Hz	60 ~ 75 Hz	60 ~ 75 Hz
Display Color	16,777,216 colors	16,777,216 colors	16,777,216 colors
PC Resolution			
Maximum Mode	1360 x 768 @ 60 Hz	1360 x 768 @ 60 Hz	1360 x 768 @ 60 Hz
Optimum Mode	1360 x 768 @ 60 Hz	1360 x 768 @ 60 Hz	1360 x 768 @ 60 Hz
Input Signal			
Sync.	H/V Separate, TTL, P. or N.	H/V Separate, TTL, P. or N.	H/V Separate, TTL, P. or N.
Video Signal	0.7 Vp-p @ 75 ohm	0.7 Vp-p @ 75 ohm	0.7 Vp-p @ 75 ohm
TV			
Color System	NTSC	NTSC	NTSC
Sound System	STEREO	STEREO	STEREO
Video			
Color System	NTSC	NTSC	NTSC
Video System	CVBS, S-VHS	CVBS, S-VHS	CVBS, S-VHS
Component			
Video In	1.0 Vp-p @ 75 ohm	1.0 Vp-p @ 75 ohm	1.0 Vp-p @ 75 ohm
Audio In	500 mVrms	500 mVrms	500 mVrms
Power Supply			
Input	AC 100-240 V 50 Hz	AC 100-240 V 50 Hz	AC 100-240 V 50 Hz
Power Consumption			
Normal	140 W	170 W	275 W
Power Saving	< 1.5 W	< 1.5 W	< 1.5 W
Dimension (W x D x H)			
Body	26.06 x 3.70 x 19.598 inches	31.38 x 3.898 x 23.31 inches	38.94 x 13.11 x 30.02 inches
	(662.0 x 94.0 x 497.8 mm)	(797.0 x 99.0 x 592.0 mm)	(989.0 x 333.1 x 762.6 mm)
With stand	26.06 x 8.11 x 21.22 inches	31.38 x 9.80 x 25.62 inches	38.94 x 4.33 x 27.66 inches
	(662.0 x 206.0 x 539.0 mm)	(797.0 x 249.0 x 650.7 mm)	(989.0 x 110.0 x 702.6 mm)

Model Name	LN26R51B	LN32R51B	LN40R51B
Weight With Stand	24.91 lbs (11.3 kg)	39.02 lbs (17.7 kg)	59.96 lbs (27.2 kg)
Environmental **Considerations** Operating Temperature Operating Humidity Storage Temperature Storage Humidity	50 °F to 104 °F (10 °C to 40 °C) 10 % to 80 %, non-condensing -4 °F to 113 °F (-20 °C to 45 °C) 5 % to 95 %, non-condensing	50 °F to 104 °F (10 °C to 40 °C) 10 % to 80 %, non-condensing -4 °F to 113 °F (-20 °C to 45 °C) 5 % to 95 %, non-condensing	50 °F to 104 °F (10 °C to 40 °C) 10 % to 80 %, non-condensing -4 °F to 113 °F (-20 °C to 45 °C) 5 % to 95 %, non-condensing
Audio Characteristics Audio Input Audio Input (PC) Headphone Output Frequency Response	RCA Jack (L, R), 0.5 Vrms (-9dB) 3.5 ø Stereo Jack, 0.5 Vrms (-9dB) Max. 10 mW Output (3.5 ø Stereo Jack, 32 Ω) RF: 80 Hz ~ 15 kHz (at -3dB) AV: 80 Hz ~ 20 kHz (at -3dB)	RCA Jack (L, R), 0.5 Vrms (-9dB) 3.5 ø Stereo Jack, 0.5 Vrms (-9dB) Max. 10 mW Output (3.5 ø Stereo Jack, 32 Ω) RF: 80 Hz ~ 15 kHz (at -3dB) AV: 80 Hz ~ 20 kHz (at -3dB)	RCA Jack (L, R), 0.5 Vrms (-9dB) 3.5 ø Stereo Jack, 0.5 Vrms (-9dB) Max. 10 mW Output (3.5 ø Stereo Jack, 32 Ω) RF: 80 Hz ~ 15 kHz (at -3dB) AV: 80 Hz ~ 20 kHz (at -3dB)

Display Modes

If the signal from the system equals the standard signal mode, the screen is adjusted automatically. If the signal from the system doesn't equal the standard signal mode, adjust the mode by referring to your video card user guide; otherwise there may be no video. For the display modes listed below, the screen image has been optimized during manufacture.

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640 X 480	31.469	59.940	25.175	- / -
	720 X 400	31.469	70.087	28.322	- / +
VESA	640 X 480	37.861	72.809	31.500	- / -
	640 X 480	37.500	75.000	31.500	- / -
	800 X 600	37.879	60.317	40.000	+ / +
	800 X 600	48.077	72.188	50.000	+ / +
	800 X 600	46.875	75.000	49.500	+ / +
	1024 X 768	48.364	60.000	65.000	- / -
	1024 X 768	56.476	70.069	75.000	- / -
	1024 X 768	60.023	75.029	78.750	+ / +
	1360 X 768	47.712	60.015	85.800	+ / +

∗ The interlace mode is not supported.

∗ The set might operate abnormally if a non-standard video format is selected.

∗ DVI dose not support PC function.