Ver01

작성자:이현정

날짜	모델명	구분	내용	입수경위	IB Code
08월 4일	LN-P267W		24쪽, 28쪽 수정	박지선->김채갑,메일,7-29	BN68-00751A
				(EO수정사항, 공통적으로적용)	

coverEng.qxd 8/7/04 7:08 PM Page 1

SAMSUNG

LN-P267W
LN-P327W

TFT-LCD TELEVISION

Owner's Instructions

This device is a Class B digital apparatus.

SAMSUNG

ELECTRONICS

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

U.S.A
Samsung Electronics America
Service Division
400 Valley Road, Suite 201
Mount Arlington, NJ 07856

www.samsungusa.com

Canada
Samsung Electronics Canada Inc.
Samsung Customer Care
7037 Financial Drive
Mississauga, Ontario
L5N 6R3

www.samsung.ca

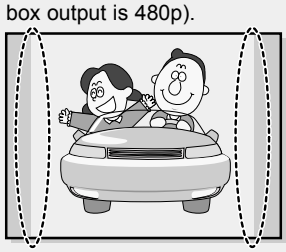
BN68-00751A-01

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 1

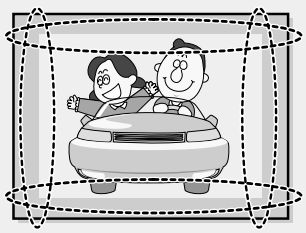
Precautions When Displaying a Still Image

A still image may cause permanent damage to the TV screen.

- Digital Ready TV: When you select the regular screen (4:3) mode to watch an SD-grade digital broadcast (and the set-top box output is 480p).



- Digital Ready TV: When you select the wide screen (16:9) mode to watch an SD-grade digital broadcast (and the set-top box output is 1080i).

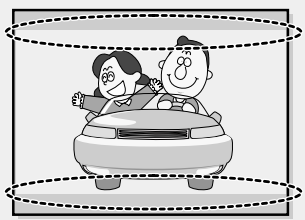


Although digital broadcasting must be in the wide screen (16:9) HD format, broadcasters sometimes show programs made originally in the regular screen format (4:3) by converting the signals into digital form, in which case the left and right side edges of the screen are cropped.

Note: If the borders at the left, right and the center of the screen remain fixed for an extended period of time, the amount of light transmission will also remain varied and as a result the borders may leave traces.

Do not leave the screen in pause mode for extended periods of time as you may experience the same problem with products by other manufacturers.

- Digital Ready TV: When the TV receives HD-grade signals (and the set-top box output is 1080i).

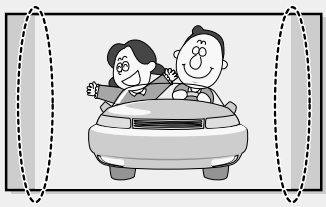


When you watch a digital HD-grade broadcast on a regular (4:3) TV with the screen size "16:9" or "Panorama" selected, you will be able to watch the program but the top and bottom edges of the screen will be cropped.

Note: If the borders at the top, bottom and the center of the screen remain fixed for an extended period of time, the amount of light transmission will also remain varied and as a result the borders may leave traces.

Do not leave the screen in pause mode for extended periods of time as you may experience the same problem with products by other manufacturers.

- Integrated Digital TV (Wide-screen): When the TV receives SD-grade (regular) broadcasting signals (receives 480p regular signals).
- Digital Ready TV (wide-screen): digital TV: When the TV receives SD-grade (regular) broadcasting signals (with a set-top box).
- When you watch an analogue (regular) broadcast on a wide-screen TV (with the 4:3 screen mode selected).

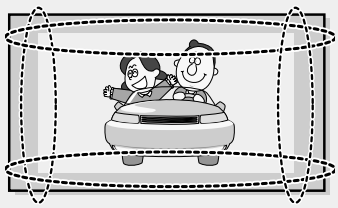


Although digital broadcasting must be in the wide screen (16:9) HD format, broadcasters sometimes show programs made originally in the regular screen format (4:3) by converting the signals into digital form, in which case the left and right side edges of the screen are cropped.

Note: If the borders at the left, right and the center of the screen remain fixed for an extended period of time, the amount of light transmission will also remain varied and as a result the borders may leave traces.

Do not leave the screen in pause mode for extended periods of time as you may experience the same problem with products by other manufacturers.

- When you watch a DVD, CD or a video in wide screen (21:9) format on a wide-screen (16:9) TV.
- When you connect a computer or a game console to the TV and select the 4:3 screen mode.



If you connect a DVD player, computer or a game console to the wide-screen TV and watch a movie or play a game in regular (4:3) or wide (21:9) screen mode, the left and right side edges, or the top and bottom edges of the screen will be cropped.

Note: If the borders at the left, right and the center of the screen remain fixed for an extended period of time, the amount of light transmission will also remain varied and as a result the borders may leave traces.

Do not leave the screen in pause mode for extended periods of time as you may experience the same problem with products by other manufacturers.

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 3

CONTENTS

Chapter 1: Your New TV

List of Features 1
List of Parts 1
Familiarizing Yourself with Your New TV 2
Buttons on the Lower-Right Part of the Panel 2
Rear Panel Jacks 3
Remote Control 4
Installing Batteries in the Remote Control 6
If remote control doesn't work 6

Chapter 2: Installation

Connecting VHF and UHF Antennas 7
Antennas with 300-ohm Flat Twin Leads 7
Antennas with 75-ohm Round Leads 8
Separate VHF and UHF Antennas 8
Connecting Cable TV 8
Cable without a Cable Box 8
Connecting to a Cable Box that Descrambles All Channels 9
Connecting to a Cable Box that Descrambles Some Channels . . 9
Connecting a VCR 11
Connecting an S-VHS VCR 12
Connecting a DVI-D Cable 12
Connecting a DVD Player 13
Connecting a Digital TV Set-top box 13
Connecting a PC 14
How to Connect the Ferrite Core (LN-P327W) 14

Chapter 3: Operation

Turning the TV On and Off 15
Changing Channels 15
Using the Channel Buttons 15
Using the PRE-CH Button to select the Previous Channel 15
Adjusting the Volume 15
Using Mute 15
Viewing the Display 16
Viewing the Menus 16
Setting Up Your Remote Control 17
Remote Control Codes 20
Plug & Play Feature 21
Memorizing the Channels 22
Selecting the Video Signal-source 22
Storing Channels in Memory (Automatic Method) 23
Adding and Erasing Channels (Manual Method) 24
Labeling Channels 24
To Set-up Your Favorite Channels 25
To Select Source 25
To Edit the Input Source Name 26
Using Automatic Picture Settings 27
Customizing the Picture 28
Using Automatic Sound Settings 29
Customizing the Sound 30

Chapter 4: Special Features

Selecting a Menu Language 31
Setting the Blue Screen Mode 32
Fine Tuning Channels 33

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 4

CONTENTS

Viewing Picture-in-Picture 34
Activating Picture-in-Picture 34
Selecting a Signal Source (External A/V) for PIP 35
Swapping the Contents of the PIP and Main image 35
Changing the PIP Channel 35
Changing the Position of the PIP Window 35
Changing the Size of the PIP Window 35
DNIe (Digital Natural Image engine) 36
My Color Control 37
Easy Control 37
Detail Control 38
Dynamic Contrast 39
Brightness Sensor 40
Changing the Screen Size. 41
Freezing the Picture 41
Adjusting the Color Tone 42
Automatic Volume Control 43
To Select the WOW Option 44
Special Sound Options 45
Adjusting the Headphone Sound 46
Selecting the Main or Sub Sound 47
Sub Woofer 48
Setting the Clock 49
Setting the On/Off Timer 50
Setting the Sleep Timer 52
Viewing Closed Captions 53
Using the V-Chip 55
Setting Up Your Personal ID Number (PIN) 55
How to Enable/Disable the V-Chip 56
How to Set up Restrictions Using the 'TV Parental Guidelines' 57
How to Set up Restrictions Using the MPAA Ratings: G, PG, PG-13, R, NC-17, X, NR 59
How to Reset the TV after the V-Chip Blocks a Channel ('Emergency Escape') 60
Color Weakness 61
Selecting the Melody 62

Chapter 5: PC Display

Using Your TV as a Computer (PC) Display 63
Setting Up Your PC Software (Based on Windows XP) 63
How to Auto Adjust 64
Adjusting the Screen Quality 65
Changing the Screen Position 66
Initializing the Screen Position or Color Settings 67

Chapter 6: Troubleshooting

Identifying Problems 68

Appendix

Installing the Wall Mount Kit 70
Using the Anti-Theft Kensington Lock 71
Using Your TV in Another Country 71
Specifications 72
Display Modes 73

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 1

Chapter One

YOUR NEW TV

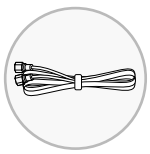
List of Features

- My Color Control:
  Users can adjust colors to their preference by adjusting skin, sky and grass tones.
- 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.
- Color Weakness :
  This feature enables those with a color weakness to view images as those with normal vision.

List of Parts

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

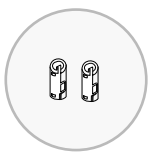
Remote Control (BN59-00409B)
& Batteries (AAA x 2)



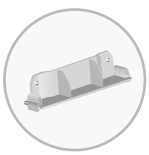
RF Cable
(AA39-00039A)

Power Cord
(3903-000144)

Owner's
Instructions



LN-P327W:
Ferrite Core (3301-001201)
x 2 (See page 14)



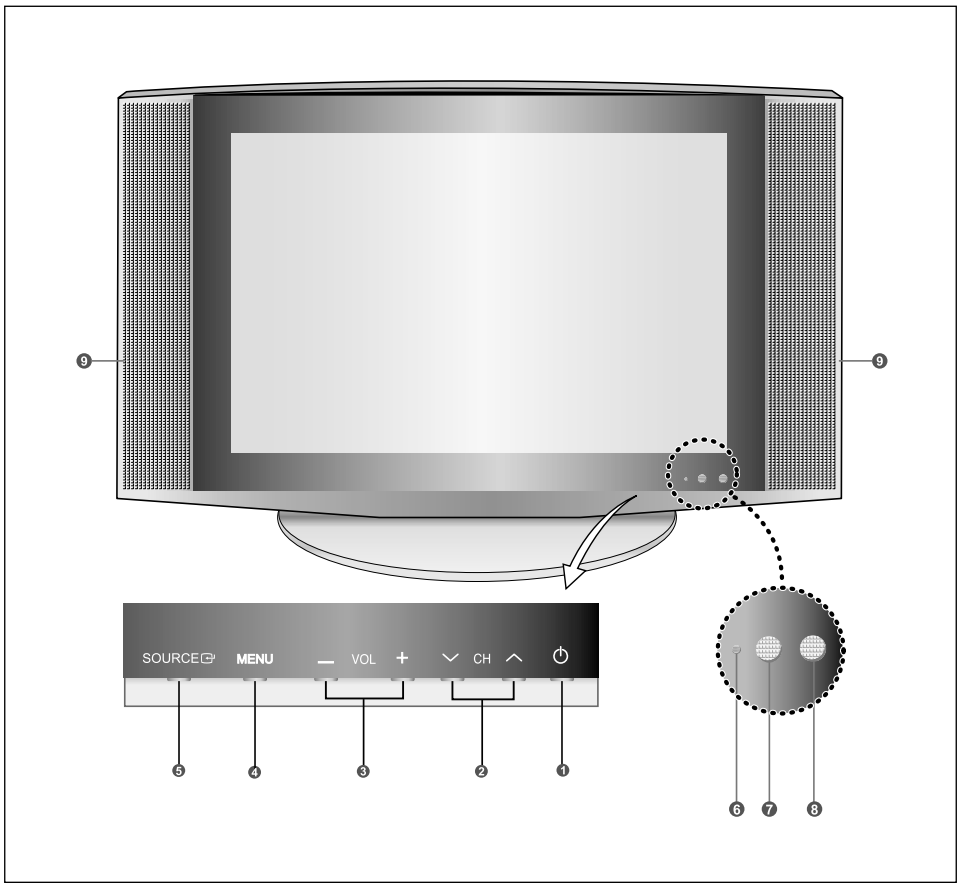
Cover-hole
LN-P327W (BN68-01374A)
LN-P267W (BN68-01360A)

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 2

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

❷ **CH**
Press to change channels.
Also press to highlight various items on the on-screen menu.

❸ **VOL**
Press to decrease or increase the volume.
Also used to select items on the on-screen menu.

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

❺ **SOURCE**
Displays a menu of all of the available input sources (TV, AV, S-VIDEO, Component 1, Component 2, DVI, PC).

❻ **POWER INDICATOR**
Lights when TV is in standby mode.
Lights green after setting on/off timer.

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

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

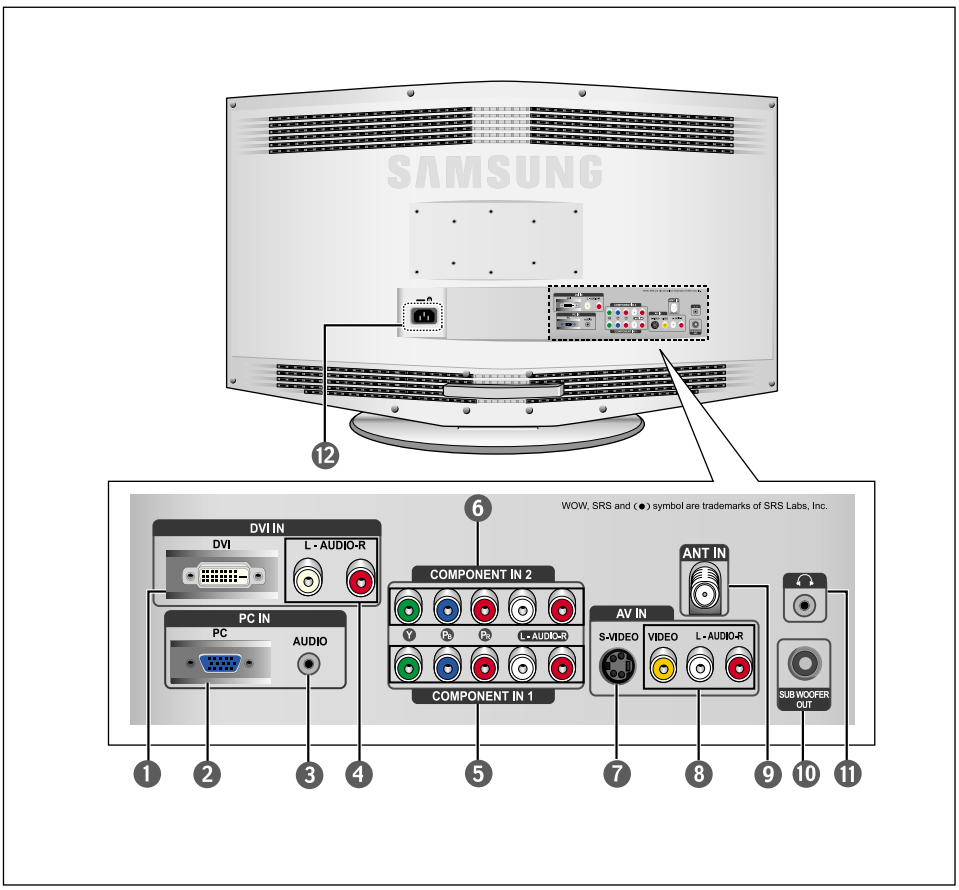
❾ **SPEAKERS**

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 3

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 7-14.



❶ DVI-D INPUT
Connect to the digital video output jack on your DVD/Set-top box.
(DVI-D terminal does not support PC.)

❷ PC VIDEO (D-SUB) INPUT
Connect to the video output port on your PC.

❸ PC AUDIO INPUT
Connect to the audio output jack on your PC.

❹ DVI-D AUDIO INPUT
Connect to the audio output jack on your DVD/Set-top box.

❺ COMPONENT IN 1
Connect component video/audio from a DVD/VCR/Set-top box.

❻ COMPONENT IN 2
Connect component video/audio from a DVD/VCR/Set-top box.

❼ S-VIDEO
Connect an S-Video signal from a camcorder or VCR

❽ VIDEO/AUDIO INPUT
Connect a video signal from a camcorder or VCR.

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

❿ SUBWOOFER OUTPUT
Connect to an active (powered) subwoofer.

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

⓬ POWER INPUT

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 4

Remote Control

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

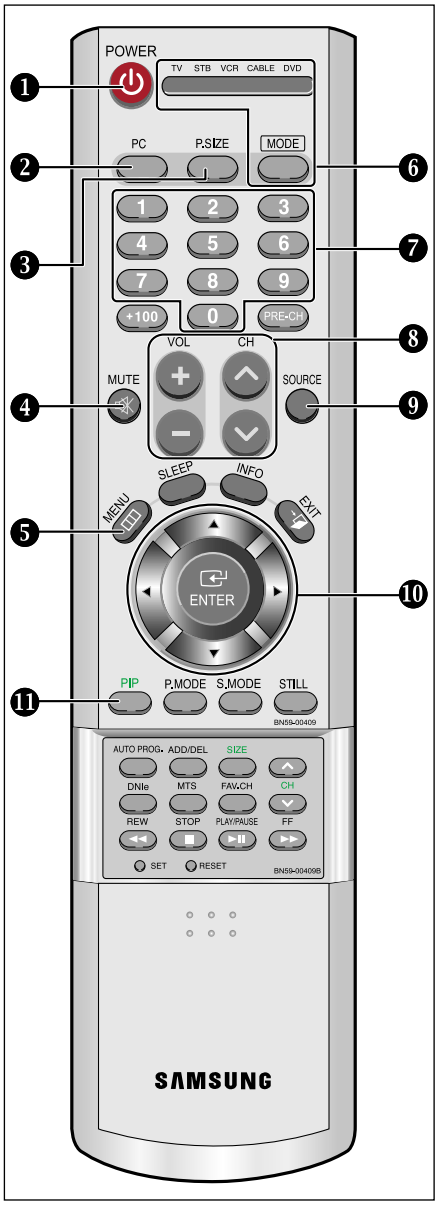
❶ POWER⏻
Turns the TV on and off.
(See page 15)

❷ PC MODE
Press to switch to the PC mode.
(See page 63)

❸ P.SIZE
Press to change the screen size.
(See page 41)

❹ MUTE
Press to temporarily cut off the sound. (See page 15)

❺ MENU
Displays the main on-screen menu. (See page 16)



❻ MODE
Selects a target device to be controlled by the Samsung remote control (TV, Samsung STB, VCR, CABLE, DVD) Press to make sure that the TV LED, STB LED, VCR LED, CABLE LED, or DVD LED is illuminated.
(See pages 17~19)

❼ NUMERIC BUTTONS
Press to change the channel.

❽ CH∧ and CH∨ (Channel UP/Down)
Press CH∧ or CH∨ to change channels. (See page 15)

VOL + and VOL -
Press to increase or decrease the volume. (See page 15)

❾ SOURCE
Press to display all of the available video sources.

❿ UP / DOWN / LEFT / RIGHT / ENTER
Use to select on-screen menu items and change menu values. (The remote control will only function with VCR or DVD units that are compatible with the LCD TV.)

⓫ PIP FUNCTIONS
Picture-in-Picture ON/OFF
(See pages 34~35)

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 5

⑫ +100
Press to select channels over 100. For example, to select channel 121, press “+100”, then press “2” and “1”. (See page 23)

⑬ SLEEP
Press to select a time for the TV to turn off automatically. (See page 52)

⑭ P.MODE
Adjusts the TV picture by selecting one of the preset factory settings. (See page 27)

S.MODE
Adjusts the TV sound by selecting one of the preset factory settings (or selects your personal, customized sound settings). (See page 29)

STILL
Press to stop the action during a particular scene. Press again to resume normal video. (See page 41)

⑮ AUTO PROG.
Press to automatically store selected TV/cable channels. (See page 23)

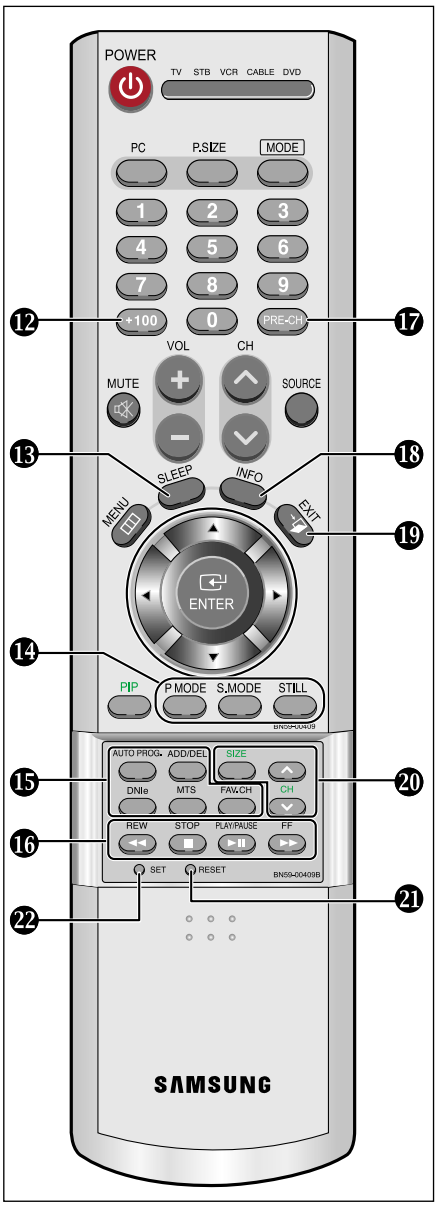
ADD/DEL
Use to store and delete channels to/from memory. (See page 24)

DNIe
Press to improve the digital video quality. (See page 36)

MTS
(Multi channel Television Stereo)
Press to choose stereo, mono or Separate Audio Program (SAP broadcast). (See page 45)

FAV.CH
Tunes to the channels in your favorite channel list. (See page 25)

⑯ VCR/DVD Functions
- Rewind
- Stop
- Play/Pause
- Fast/Forward



⑰ PRE-CH
Tunes to the previous channel. (See page 15)

⑱ INFO
Use to see information on the current broadcast. (See page 16)

⑲ EXIT
Press to exit the menu.

⑳ SIZE
Press to make the PIP window double, large or small. (See page 35)

∧ CH ∨
Displays the available channels in sequence.
(These buttons change channels in the PIP window only.)
(See page 35)

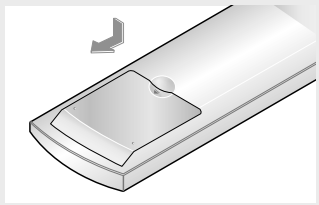
㉑ RESET
When your remote does not work, change the batteries and press the RESET button for 2-3 seconds before use.

㉒ SET
Adjusts 5 separate devices - TV, VCR, Cable, DVD, or Samsung Set-top box.
(See pages 17~19)

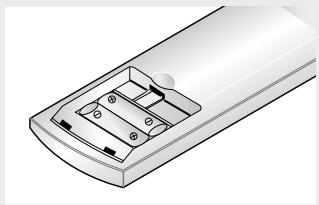
BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 6

Installing Batteries in the Remote Control

1
Slide the cover out completely.

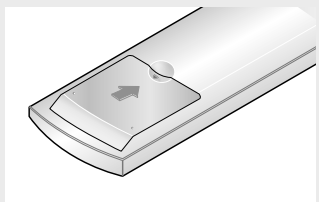


2
Install two AAA size batteries.



◀ 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 remote control doesn't work

Check the following:

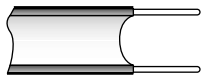
1. Is the TV power on?
2. Are the plus and minus ends of the batteries reversed?
3. Are the batteries drained?
4. Is there a power outage, or is the power cord unplugged?
5. Is there a special fluorescent light or a neon sign nearby?

Chapter Two

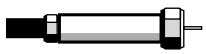
INSTALLATION

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 page 8.

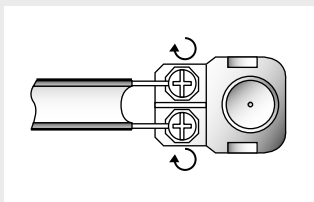


If you have two antennas, see "Separate VHF and UHF Antennas" on page 8.

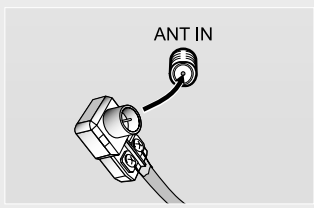
Antennas with 300-ohm Flat Twin Leads

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 adaptor (not supplied). Use a screwdriver to tighten the screws.



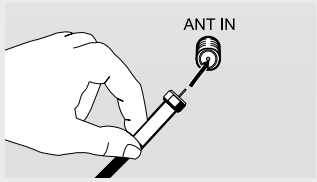
2
Plug the adaptor into the ANT IN terminal on the bottom of the back panel.



BN68-00751A-01eNG.qxd 8/7/04 6:30 PM Page 8

Antennas with 75-ohm Round Leads

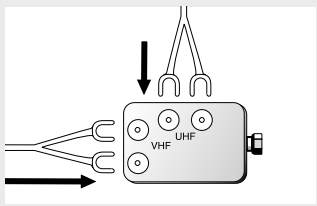
1
Plug the antenna lead into the ANT IN terminal on the bottom of the back panel.



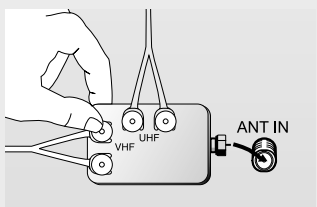
Separate VHF and UHF Antennas

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 a an optional combiner-adaptor (available at most electronics shops).

1
Connect both antenna leads to the combiner.



2
Plug the combiner into the ANT IN terminal on the bottom of the rear panel.

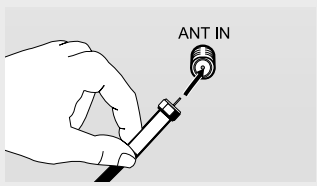


Connecting Cable TV

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.

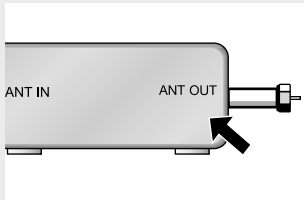


◀ Because this TV is cable-ready, you do not need a cable box to view unscrambled cable channels.

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 9

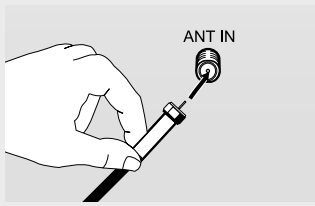
Connecting to a Cable Box that Descrambles All Channels

1
Find the cable that is connected to the ANT OUT terminal on your cable box.



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

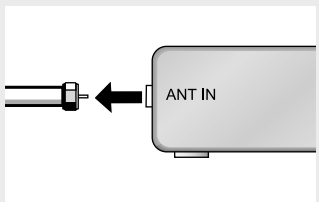
2
Connect the other end of this cable to the ANT IN terminal on the back of the TV.



Connecting to a Cable Box that Descrambles Some Channels

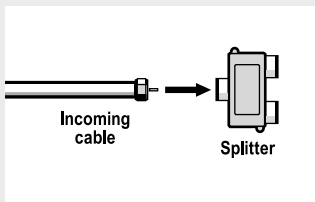
If your cable box descrambles only some channels (such as premium channels), follow the instructions below. You will need a two-way splitter, an RF (A/B) switch, and four lengths of RF cable. (These items are available at most electronics stores.)

1
Find and disconnect the cable that is connected to the ANT IN terminal on your cable box.

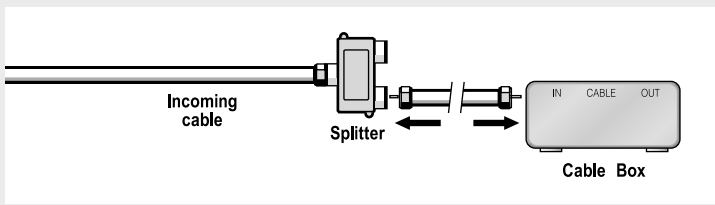


◀This terminal might be labeled "ANT IN", "VHF IN" or simply, "IN".

2
Connect this cable to a two-way splitter.



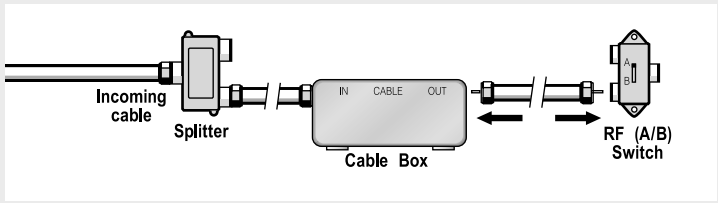
3
Connect a RF cable between an OUTPUT terminal on the splitter and the IN terminal on the cable box.



BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 10

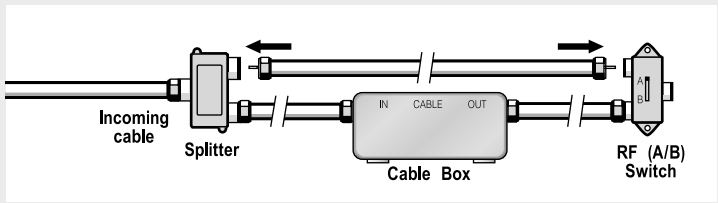
4

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



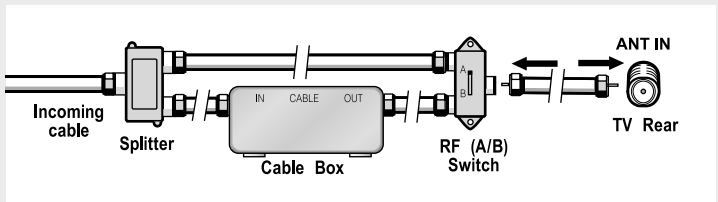
5

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



6

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



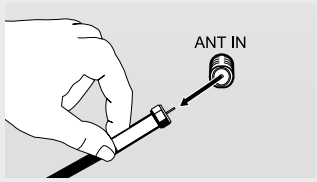
After you've made this connection, set the A/B switch to the "A" position for normal viewing. Set the A/B switch to the "B" position to view scrambled channels.
(When you set the A/B switch to "B", you will need to tune your TV to the cable box's output channel, which is usually channel 3 or 4.)

BN68-00751A-00ENG.qxd 8/7/04 8:54 PM Page 11

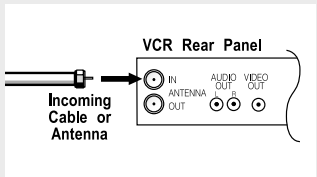
Connecting a VCR

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.

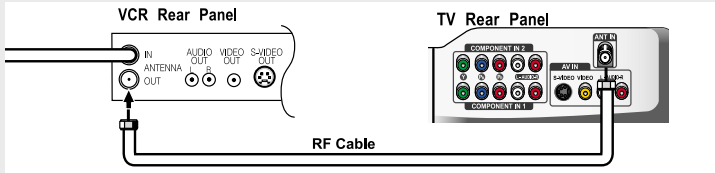
1
Unplug the cable or antenna from the back of the TV.



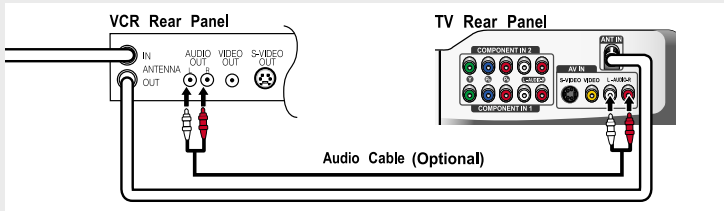
2
Connect the cable or antenna to the ANTENNA IN terminal on the back of the VCR.



3
Connect an RF cable between the ANTENNA OUT terminal on the VCR and the antenna terminal on the TV.

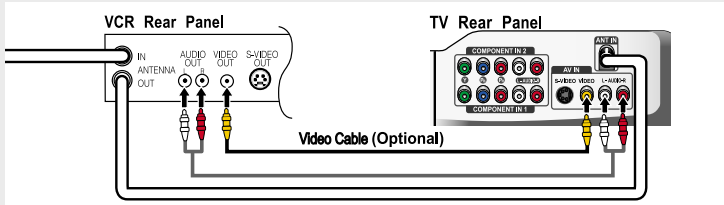


4
Connect an audio cable between the AUDIO OUT jacks on the VCR and the L-AUDIO-R jacks on the TV.



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. If your VCR is stereo, you must connect two cables.

5
Connect a video cable between the VIDEO OUT jack on the VCR and the VIDEO jack on the TV.



Follow the instructions in “Viewing a VCR or Camcorder Tape” to view your VCR tape.

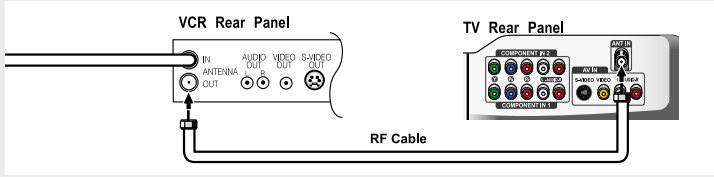
* Each external input source device has a different back panel configuration.

BN68-00751A-00ENG.qxd 8/7/04 8:55 PM Page 12

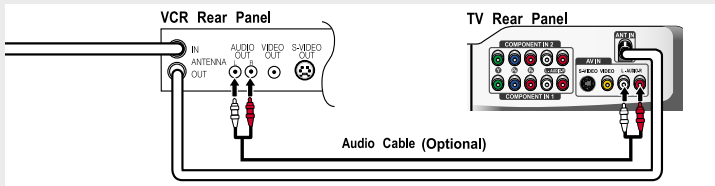
Connecting an S-VHS VCR

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.)

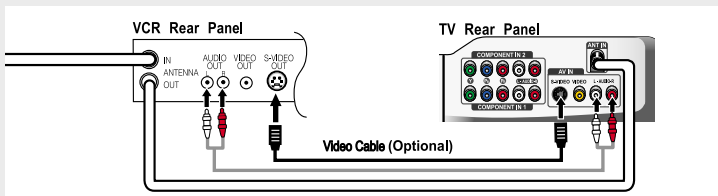
1
To begin, follow steps 1–3 in the previous section to connect the antenna or cable to your VCR and your TV.



2
Connect an audio cable between the AUDIO OUT jacks on the VCR and the L-AUDIO-R jacks on the TV.



3
Connect an S-video cable between the S-VIDEO OUT jack on the VCR and the S-VIDEO jack on the TV.

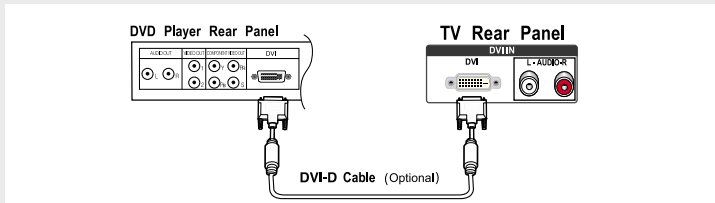


An S-Video cable is usually included with an S-VHS VCR. (If not, check your local electronics store.)

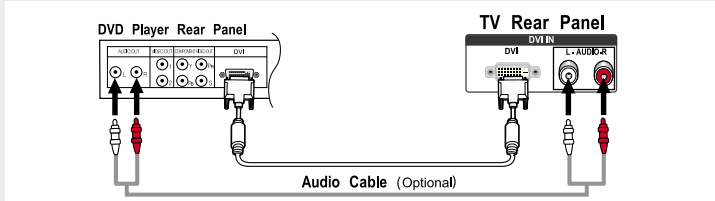
* Each external input source device has a different back panel configuration.

Connecting a DVD/Set-top box via DVI

1
Connect a DVI-D cable between the DVI connector on the TV and the DVI connector on the DVD player/ Set-top box.



2
Connect an audio cable between the L-AUDIO-R jack on the TV and the AUDIO OUT jacks on the DVD player/ Set-top box.



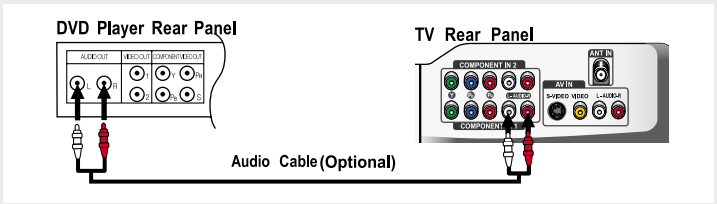
* Each external input source device has a different back panel configuration.

BN68-00751A-00ENG.qxd 8/7/04 9:01 PM Page 13

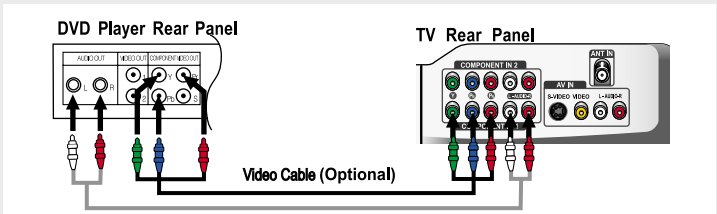
Connecting a DVD Player

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 COMPONENT1 or COMPONENT2 L-AUDIO-R jacks on the TV and the AUDIO OUT jacks on the DVD player.



2
Connect a video cable between the COMPONENT1 or COMPONENT2 (Y, P_B, P_R) jacks on the TV and the COMPONENT VIDEO OUT (Y, P_b, P_r) jacks on the DVD player.



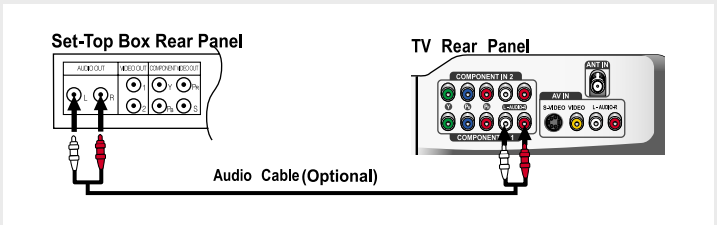
Note: For an explanation of Component video, see your DVD player owner's manual.

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

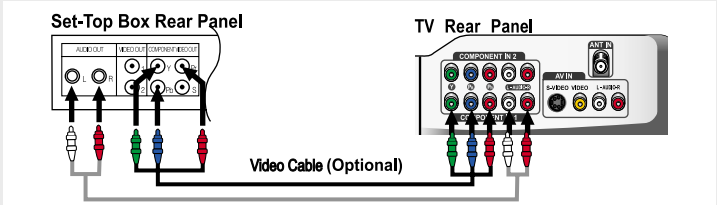
Connecting a Digital TV Set-top box

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

1
Connect an audio cable between the COMPONENT1 or COMPONENT2 L-AUDIO-R jacks on the TV and the AUDIO OUT jacks on the Set-top box.



2
Connect a component video cable between the COMPONENT1 or COMPONENT2 (Y, P_B, P_R) jacks on the TV and the COMPONENT VIDEO OUT (Y, P_b, P_r) jacks on the Set-top box.



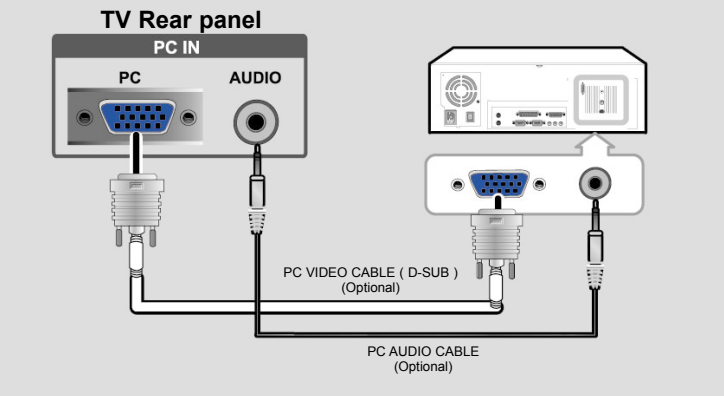
Note: For an explanation of Component video, see your Set-top box owner's manual.

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

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 14

Connecting a PC

- Connect the D- Sub cable to "**PC (PC IN)**" on the rear of your set.
- Connect the stereo audio cable to "**AUDIO (PC IN)**" on the rear of your TFT-LCD and the other end to "Audio Out" of the sound card on your computer.



How to Connect the Ferrite Core (LN-P327W)

The provided Ferrite Cores reduce EMI (E1ectromagnetic Interference) noise from electrical or electronic products.
After connecting AV or Component cable to the TV, install the Ferrite Cores as shown in the picture.

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 15

Chapter Three

OPERATION

Turning the TV On and Off

Press the **POWER** ⏻ button on the remote.
You can also use the **POWER** ⏻ button on the lower-right part 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.

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 +/–** 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 +/-** buttons.

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 16

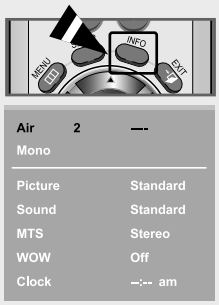
Viewing the Display

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.



◀ The on-screen displays disappear after about ten seconds.

◀ 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.

◀ 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.

◀ You can also use the **MENU** , CH Up/Down, Volume Up/Down, and the ENTER buttons on the TV to make selections.

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 17

Setting Up Your Remote Control

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

Note

The remote control might not be compatible with all DVD Players, VCRs and Cable boxes. This remote control is only compatible with Samsung Set-top boxes.

Setting Up the Remote to Operate Your VCR

1 Turn off your VCR.

2 Press the **MODE** button and make sure that the VCR LED is illuminated.

3 Press the **SET** button on your TV's remote control.

4 Using the number buttons on your remote control, enter three digits of the VCR code listed on page 20 of this manual for your brand of VCR. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)

5 Press the **POWER** ⏻ button on the remote control. Your VCR should turn on if your remote is set up correctly.

If your VCR does not turn on after set-up, repeat steps 2, 3 and 4, but try one of the other codes listed for your brand of VCR. If no other codes are listed, try each VCR code, 000 through 086.

Note on Using Remote Control Modes: VCR

When your remote control is in "VCR" mode, the volume buttons still control your TV's volume.

Setting Up the Remote to Operate Your Cable Box

1 Turn off your cable box.

2 Press the **MODE** button and make sure that the CABLE LED is illuminated.

3 Press the **SET** button on your TV's remote control.

4 Using the number buttons on your remote control, enter three digits of the cable box code listed on page 20 of this manual for your brand of cable box. Make sure you enter three digits of the code, even if the first digit is a "0."
If there is more than one code listed, try the first one.

5 Press the **POWER** ⏻ button on the remote control. Your cable box should turn on if your remote is set up correctly.

If your cable box does not turn on after set-up, repeat steps 2, 3 and 4, but try one of the other codes listed for your brand of cable box. If no other codes are listed, try each code, 000 through 074.

Note on Using Remote Control Modes: Cable Box

When your remote control is in "CABLE" mode, the volume buttons still control your TV's volume.

Setting Up the Remote to Operate Your DVD

1 Turn off your DVD.

2 Press the **MODE** button and make sure that the DVD LED is illuminated.

3 Press the **SET** button on your TV's remote control.

4 Using the number buttons on your remote control, enter three digits of the DVD code listed on page 20 of this manual for your brand of DVD. Make sure you enter three digits of the code, even if the first digit is a "0."
If there is more than one code listed, try the first one.

5 Press the **POWER** ⏻ button on the remote control. Your DVD should turn on if your remote is set up correctly.

If your DVD does not turn on after set-up, repeat steps 2, 3 and 4 but try one of the other codes listed for your brand of DVD. If no other codes are listed, try each code, 000 through 009.

Note on Using Remote Control Modes: DVD

When your remote control is in "DVD" mode, the volume buttons still control your TV's volume.

BN68-00751A-01ENG.qxd 8/7/04 6:30 PM Page 20

Remote Control Codes

VCR Codes

Brand	Code
Aiwa	024
Curtis Mathes	009 016 017 023 024 055 062 073 076
Funai	024
GE	009 016 017 041 062
Hitachi	014 024 044 045
JC Renney	011 014 016 017 023 025 039 044 060 062
Kenwood	011 023 025 039 055
Magnavox	017 038 062 065
Marantz	011 017 023 025 038 039 055 070
NEC	011 023 025 039 055 070 073
Panasonic	017 062 084 086
Philco	017 038 062 065
Philips	017
Pioneer	014 025 042 059
RCA	009 014 016 017 037 044 046 063 078
Samsung	000
Sanyo	011 021
Sears	011 014 018 021 027 028 044 052 057
Sharp	015 036 048 054
Sony	026 035 047
Sylvania	017 024 038 062 065
Toshiba	014 022 028 057 058

Cable Box

Brand	Code
Hitachi	045 051 054
Panasonic	011 035 047 069
Phlips	015 016 027 029 034 036 037 040 041 048 049
Pioneer	026 028 052
RCA	008 035 074
Samsung	000
Zenith	022 050 065 069

DVD

Brand	Code
Curtis Mathes	009
JVC	003
LG	001
Samsung	000
Sony	004
Panasonic	006
ProScan, RCA	008

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 21

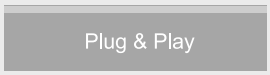
Plug & Play Feature

When the TV is initially powered on, two basic customer settings proceed automatically and subsequently: Setting Auto program, Clock.

1

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

The message “Plug & Play” is displayed.



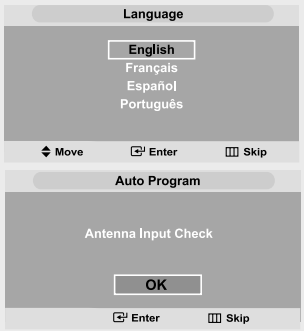
2

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

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

The message “Antenna Input Check” is displayed with “OK ” selected.

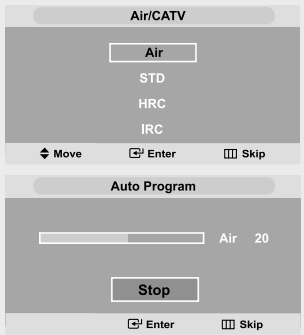
Press the **ENTER** button.



3

Press the **UP/DOWN** ▲▼ buttons to select “Air”, “STD”, HRC”, or “IRC”, then press the **ENTER** button.

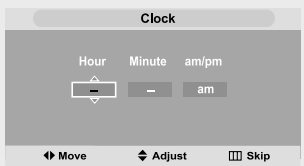
Press the **ENTER** button to stop.



4

Press the **LEFT/RIGHT** ◀▶ buttons to move to the “Hour”, “Minute” or “am/pm”.

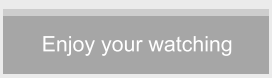
Set the “Hour”, “Minute” or “am/pm” by pressing the **UP/DOWN** ▲▼ buttons. (Refer to “Setting the Clock” on page 49.)



5

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

The message “Enjoy your watching” is displayed.



BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 22

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).

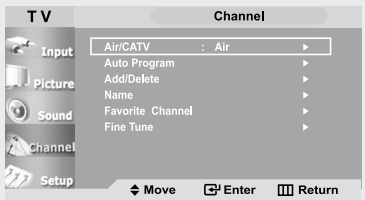
Selecting the Video Signal-source

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.

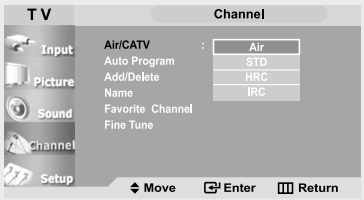


2

Press the **ENTER** button.

Repeatedly press the **UP/DOWN** ▲▼ buttons to cycle through these choices: "Air", "STD", "HRC", or "IRC" (all cable TV).

Press the **EXIT** button to exit.



Note: STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area.

At this point the signal source has been selected.
Proceed to "Storing Channels in Memory" (next page).

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 23

Storing Channels in Memory (Automatic Method)

1

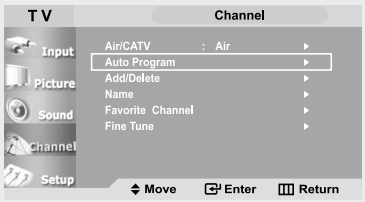
First, select the correct signal source (Air, STD, HRC, or IRC).

See steps 1~2 on the previous page.

2

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

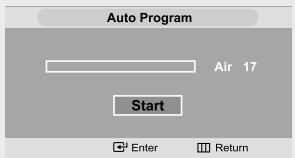
Press the **ENTER** button.



3

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

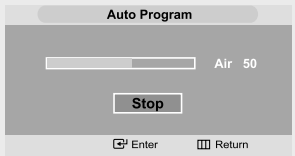
The TV will begin memorizing all of the available channels.



4

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

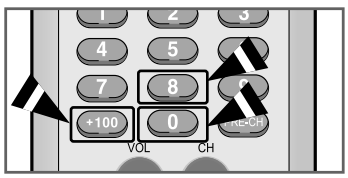
Press the **EXIT** button to exit.



◀ 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.

To select channels over 100

Ex) Press +100 → 0 → 8 to select channel 108.



BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 24

Adding and Erasing Channels (Manual Method)

1

Use the number buttons to directly select the channel to Add or Delete.

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

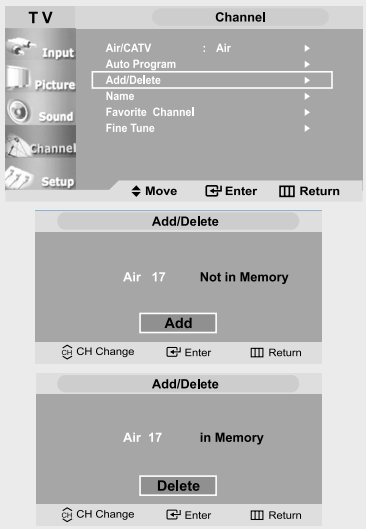
Press the **UP/DOWN** ▲▼ buttons to select “Channel”, then press the **ENTER** button.

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

Press the **ENTER** button.

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

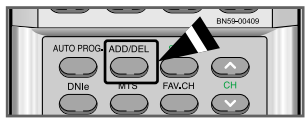
Press the **EXIT** button to exit.



Alternate method:

Use the number buttons to directly select the channel that will be added or erased. Press the “ADD/DEL” button.

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.

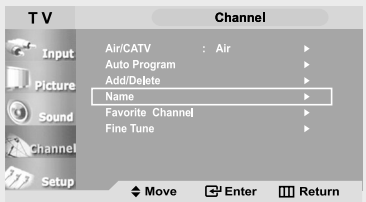
Labeling Channels

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 “Name”, then press the **ENTER** button.



2

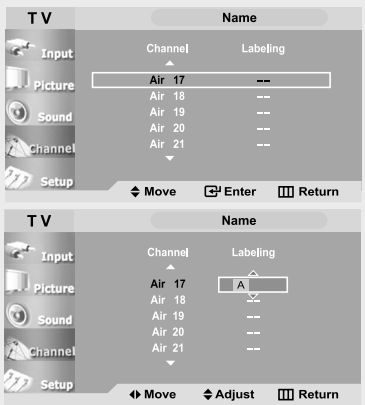
Press the **UP/DOWN** ▲▼ buttons to select a channel.

You can assign a name to a channel.

Press the **LEFT/RIGHT** ◀▶ buttons to move to “Labeling” and use the **UP/DOWN** ▲▼ buttons to assign a name.

Repeat this procedure to enter up to four characters.

Press the **EXIT** button to exit.



◀ The characters available:
- Letters of the alphabet (A~Z)
- Numbers (0~9)
- Special characters (space, -, *)

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 25

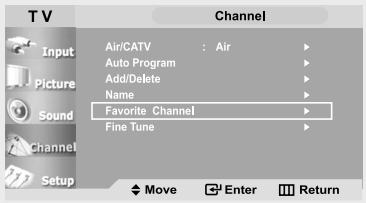
To Set-up Your Favorite Channels

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 “Favorite Channel”, then press the **ENTER** button.

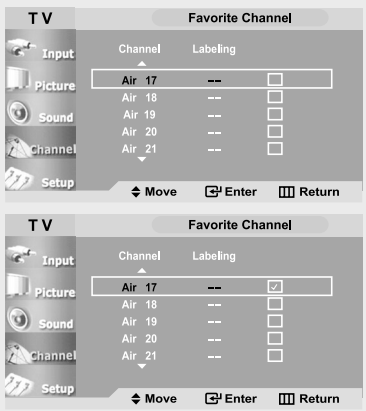


2

Press the **UP/DOWN** ▲▼ buttons to select your favorite channels to watch among the labeled channels.

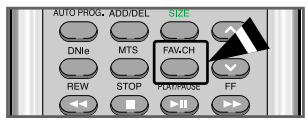
Press the **ENTER** button to add a check mark to set the channel as a favorite channel.
(Press the **ENTER** button again to clear the check mark.)

Press the **EXIT** button to exit.



3

To select the favorite channels you have set-up, press the **FAV.CH** button on the remote.



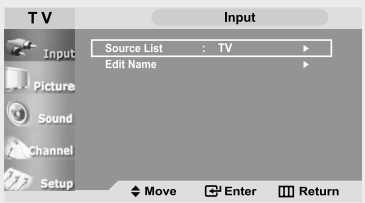
To Select Source

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

1

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

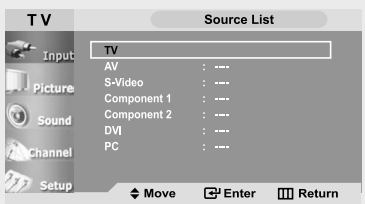
Press the **ENTER** button.



2

Press the **ENTER** button.

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



BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 26

To Edit the Input Source Name

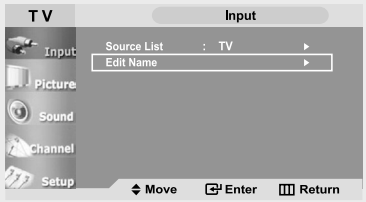
Name the device connected to the input jacks to make your input source selection easier.

1

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

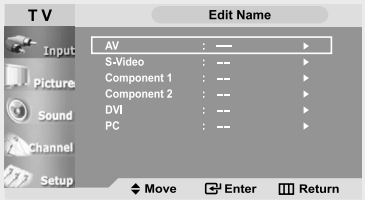
Press the **ENTER** button to select “Input”.

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



2

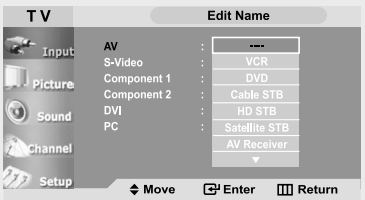
Press the **UP/DOWN** ▲▼ buttons to select “AV”, “S-Video”, “Component1”, “Component2”, “DVI”, or “PC” input jack, then press the **ENTER** button.

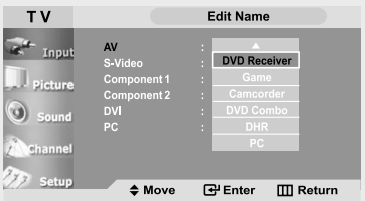


3

Press the **UP/DOWN** ▲▼ buttons to select “VCR”, “DVD”, “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.





BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 27

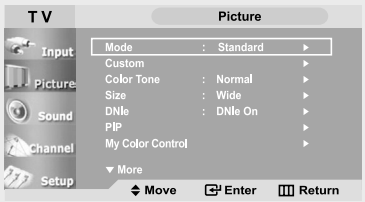
Using Automatic Picture Settings

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** button to display the menu.

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



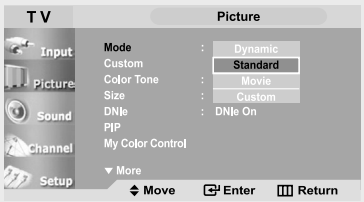
2

Press the **ENTER** button.

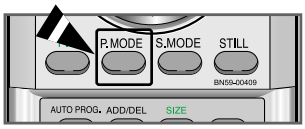
Press the **UP/DOWN** ▲▼ buttons to select the “Dynamic”, “Standard”, “Movie”, or “Custom” picture setting.

Press the **ENTER** button.

Press the **EXIT** button to exit.



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 viewing the movie.
- Choose *Custom* if you want to adjust the settings according to personal preference (see “Customizing the Picture, page 28).

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 28

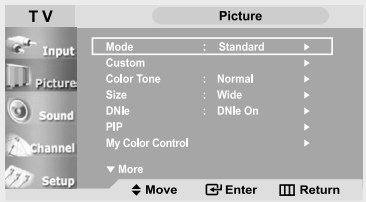
Customizing the Picture

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

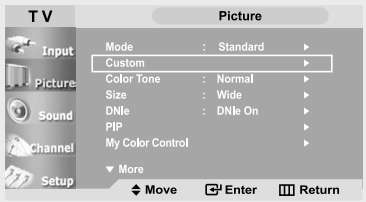
Press the **MENU** button to display the menu.

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



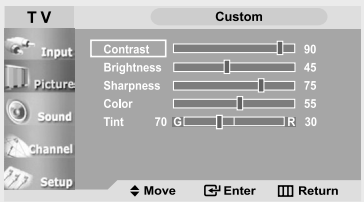
2

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



3

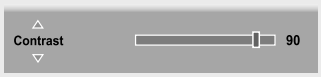
Press the **ENTER** button to select "Contrast", "Brightness", "Sharpness", "Color", or "Tint".



- If you make any changes to these settings, the Picture Mode is automatically switched to Custom.
- In PC mode, only Contrast and Brightness can be adjust in Custom 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.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 29

Using Automatic Sound Settings

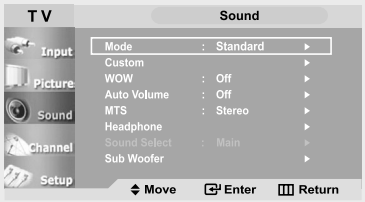
Your TV has five automatic sound settings (“Standard”, “Music”, “Movie”, “Speech”, and “Custom”) that are preset at the factory. You can activate any of them by pressing the S.MODE button (or by making a selection from the on-screen menu). Or, you can select “Custom”, which automatically recalls your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

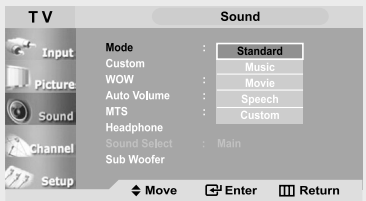
Press the **ENTER** button.



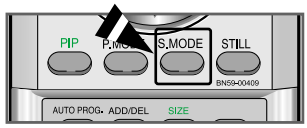
2

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.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 30

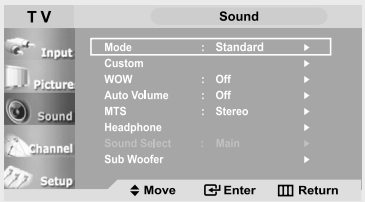
Customizing the Sound

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

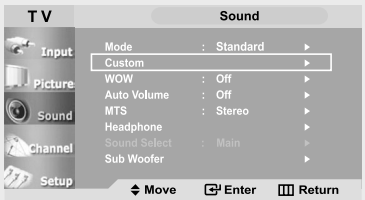
Press the **MENU** button to display the menu.

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



2

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

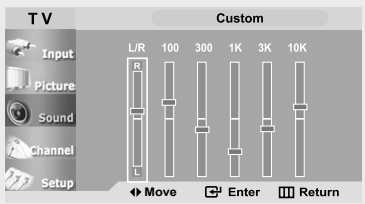


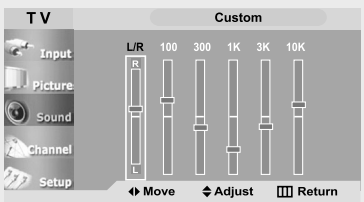
3

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.





◀ If you make any changes to these settings, the Sound Mode is automatically switched to Custom.

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

Chapter Four

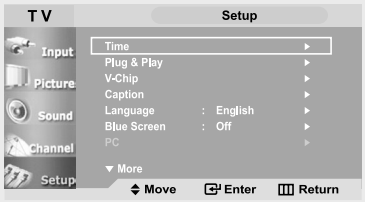
SPECIAL FEATURES

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.



2

Press the **UP/DOWN** ▲▼ buttons to select “Language”.

Press the **ENTER** button.

3

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

Press the **EXIT** button to exit.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 32

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”.

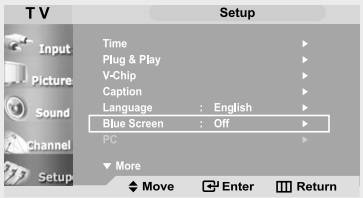
1

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

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

2

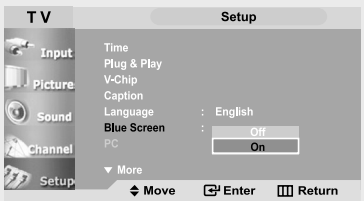
Press the **UP/DOWN** ▲▼ buttons to select “Blue Screen”, then press the **ENTER** button.



3

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

Press the **EXIT** button to exit.



◀ Pressing the **UP/DOWN** ▲▼ buttons will alternate between “On” and “Off”.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 33

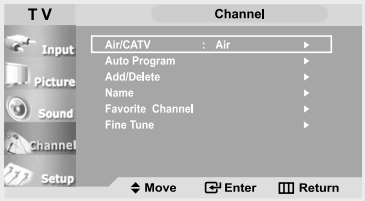
Fine Tuning Channels

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.

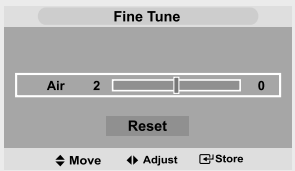


2

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

3

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

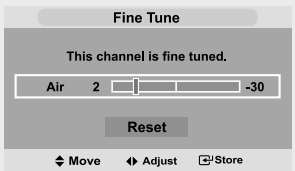


◀ If you do not store the fine-tuned channel in memory, adjustments are not saved.

4

To store the fine tuning setting in the TV’s memory, press the **ENTER** button. (To reset the fine tuning, select “Reset” by pressing the **UP/DOWN** ▲▼ button and then press the **ENTER** button.)

Press the **EXIT** button to exit.



◀ 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.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 34

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.

Note: While V-Chip is in operation, the PIP function cannot be used.

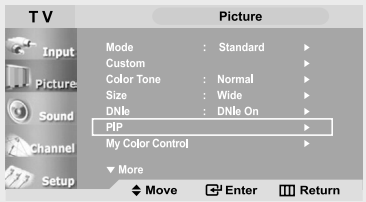
Activating Picture-in-Picture

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.



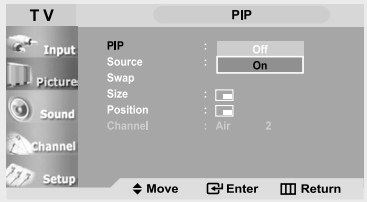
◀ Quick way to access the PIP menu: Simply press the PIP button on the remote control.

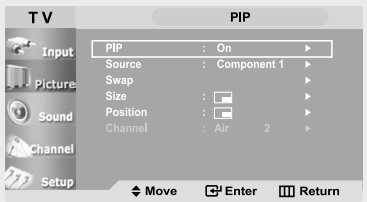
2

Press the **ENTER** button.

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

Press the **EXIT** button to exit.





◀ If you turn the TV off while watching and turn it on again, the PIP window will disappear.

PIP Settings

O: PIP operates
X: PIP doesn't operate

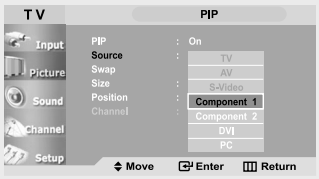
Main Picture \ Sub Picture	TV	AV	S-Video	COMP 1	COMP 2	DVI	PC
TV	X	X	X	O	O	O	O
AV	X	X	X	O	O	O	O
S-Video	X	X	X	O	O	O	O
COMP 1	O	O	O	X	X	X	X
COMP 2	O	O	O	X	X	X	X
DVI	O	O	O	X	X	X	X
PC	O	O	O	X	X	X	X

Selecting a Signal Source (External A/V) for PIP

3

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

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



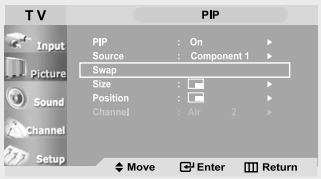
◀ When main picture is set to TV/AV/ S-Video, only Component1/Component2/ DVI/PC can be selected and when main picture is set to Component1/ Component2/DVI/PC, only TV/AV/ S-Video can be selected.

Note: Source selection is possible only when Component 1, Component 2, DVI, or PC 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.

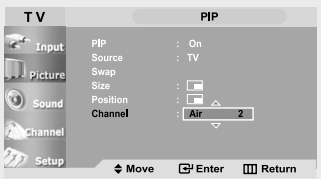


Changing the PIP Channel

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.



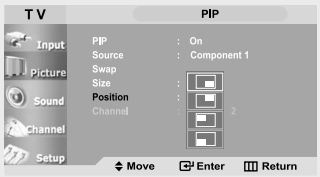
◀ MAIN: Component 1, Component 2, DVI, PC
PIP: TV
“Channel” is inactive and not available in TV mode. However, they become active and available in Component 1, Component 2, DVI, and PC modes.

Changing the Position of the PIP Window

6

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.



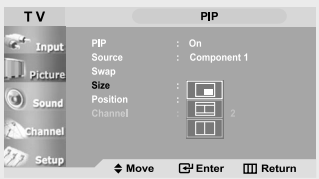
Changing the Size of the PIP Window

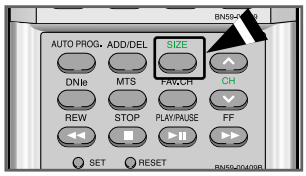
7

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 **EXIT** button to exit.





- 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.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 36

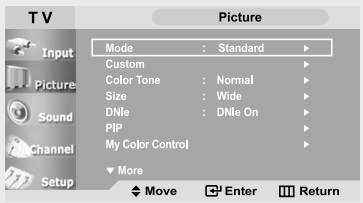
DNIe (Digital Natural Image engine)

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

1

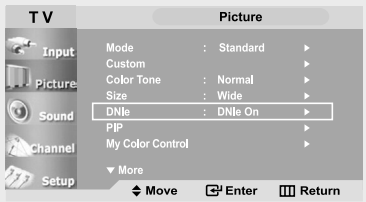
Press the **MENU** button to display the menu.

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



2

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

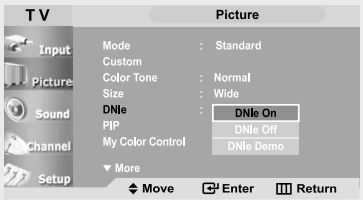


◀ This function doesn't work when Source is in PC mode.

3

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

Press the **EXIT** button to exit.



- DNIe On: Improved picture mode as demonstrated by DNIe Demo is activated.
- DNIe Off: The mode is deactivated and the screen returns to it's original condition.
- DNIe Demo: The screen shows the improved image on the left-hand side and the original image on the right-hand side.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 37

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.

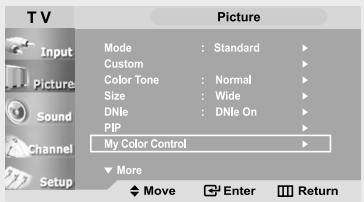
Easy Control

1

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

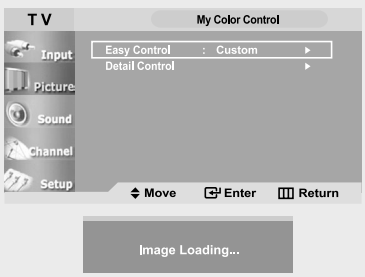
Press the **UP/DOWN** ▲▼ buttons to select “Picture”, then press the **ENTER** button.

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.

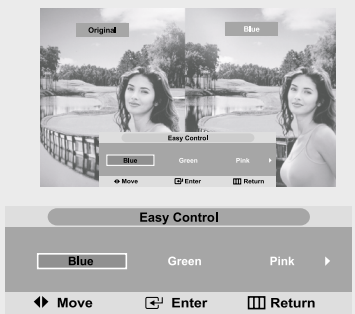


◀ This function doesn’t work when Source is in PC mode, DNIe is set to off or PIP is set to on.

3

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

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



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

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 38

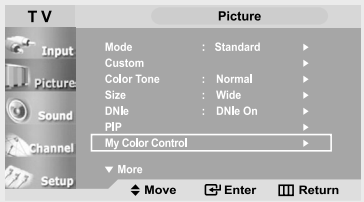
Detail Control

1

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

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

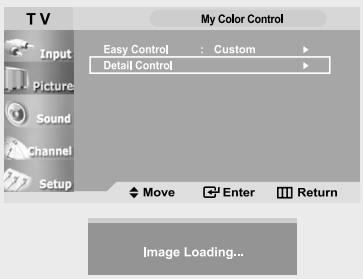
Press the **UP/DOWN** ▲▼ buttons to select “My Color Control”, then press the **ENTER** button.



◀ You can adjust pink, blue and green without using the predefined settings in custom mode.

2

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



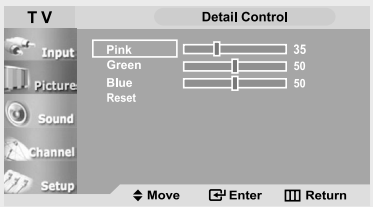
◀ This function doesn’t work when the Source is in PC mode, DNIe is set to off or PIP is set to on.

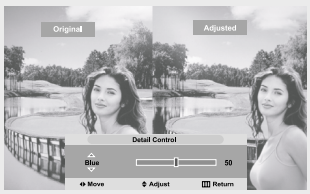
3

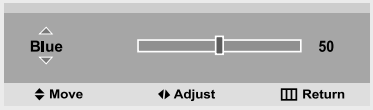
Press the **UP/DOWN** ▲▼ buttons to select the desired My Color Control color and press the **ENTER** button. (To reset the “Detail Control”, select “Reset” by pressing the **UP/DOWN** ▲▼ button and then press the **ENTER** button.)

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

Press the **EXIT** button to exit.







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

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 39

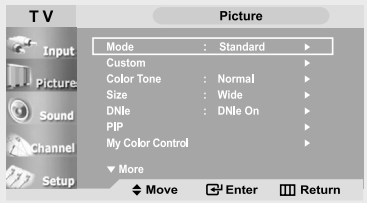
Dynamic Contrast

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

1

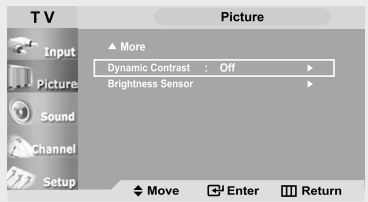
Press the **MENU** button to display the menu.

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



2

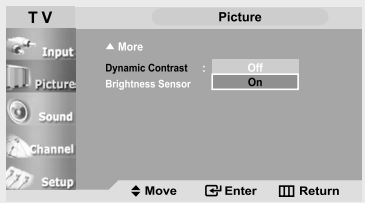
Press the **UP/DOWN** ▲▼ buttons to select “Dynamic Contrast”, then press the **ENTER** button.



3

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

Press the **EXIT** button to exit.



◀ This function doesn’t work when the Source is in PC mode, DNIe is set to off or PIP is set to on.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 40

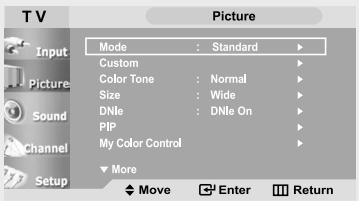
Brightness Sensor

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

1

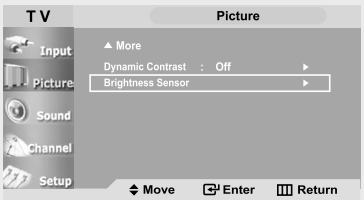
Press the **MENU** button to display the menu.

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



2

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

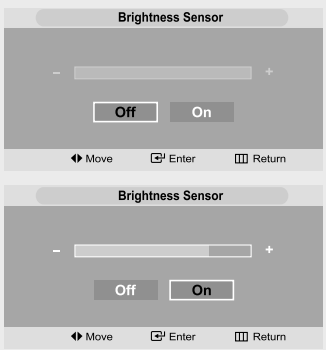


◀ This function doesn’t work when the Source is in PC mode.

3

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

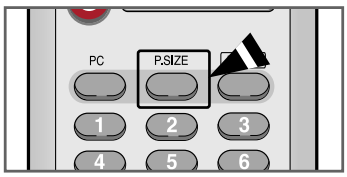
Press the **EXIT** button to exit.



◀ Screen brightness is adjusted automatically depending on the brightness of the surrounding environment.

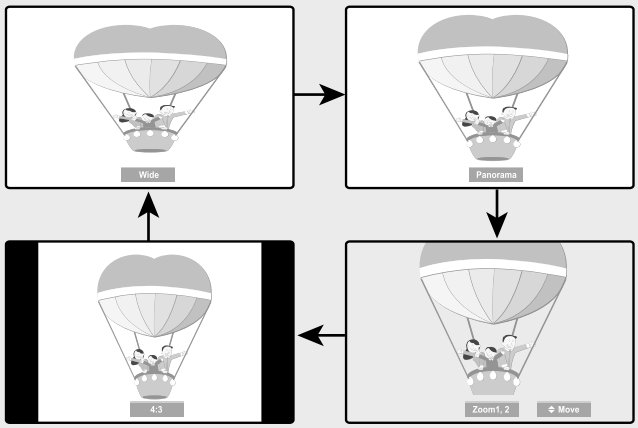
BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 41

Changing the Screen Size



1

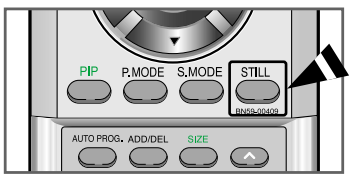
Press the **P.SIZE** button to change the screen size.



◀ Note: Only wide and size of 4:3 can be selected when the Source is PC.

- Wide : Sets the picture to 16:9 wide mode.
- Panorama : Use this mode for the wide aspect ratio of a panoramic picture.
- Zoom 1, 2 : Magnifies the size of the picture on screen.
- 4 : 3 : Sets the picture to 4:3 normal mode. This is the standard TV 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.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 42

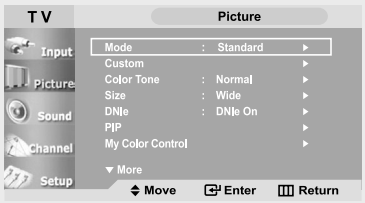
Adjusting the Color Tone

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

1

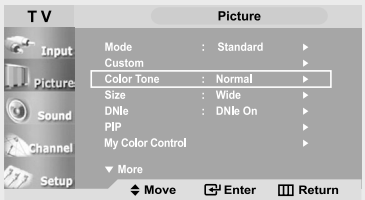
Press the **MENU** button to display the menu.

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



2

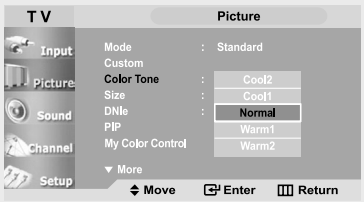
Press the **UP/DOWN** ▲▼ buttons to select “Color Tone”, then press the **ENTER** button.



3

Press the **UP/DOWN** ▲▼ buttons to select “Cool 2”, “Cool 1”, “Normal”, “Warm 1”, or “Warm 2”.

Press the **EXIT** button to exit.



◀ Choose from the following Color Tone settings: “Cool 2”, “Cool 1”, “Normal”, “Warm 1”, “Warm 2” according to personal preference.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 43

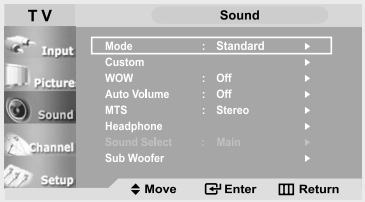
Automatic volume control

Reduces the differences in volume level among broadcasters.

1

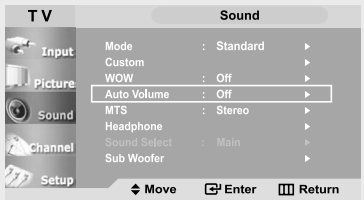
Press the **MENU** button to display the menu.

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



2

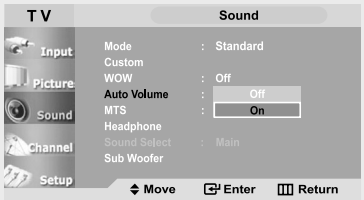
Press the **UP/DOWN** ▲▼ buttons to select “Auto Volume”, then press the **ENTER** button.



3

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

Press the **EXIT** button to exit.



BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 44

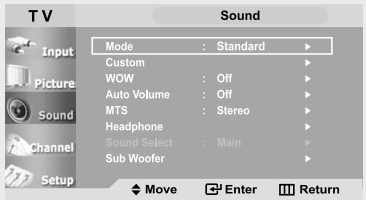
To select the WOW option

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

1

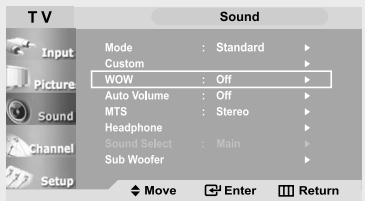
Press the **MENU** button to display the menu.

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



2

Press the **UP/DOWN** ▲▼ buttons to select “WOW”, then press the **ENTER** button.

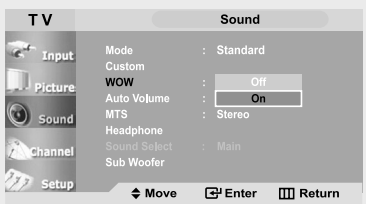


3

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

Press the **ENTER** button.

Press the **EXIT** button to exit.



TRADEMARK & LABEL LICENSE NOTICE

SRS WOW is a trademark of SRS Labs,Inc.
WOW technology is incorporated under license from SRS labs,Inc.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 45

Special Sound Options

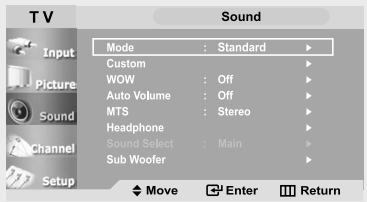
Choosing a Multi-Channel Sound (MTS) Soundtrack

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

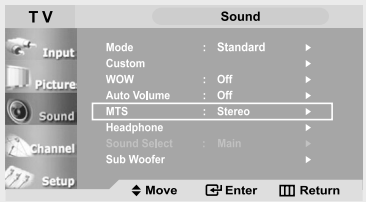
Press the **MENU** button to display the menu.

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



2

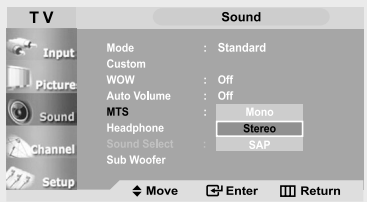
Press the **UP/DOWN** ▲▼ buttons to select “MTS”, then press the **ENTER** button.



3

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

Press the **EXIT** button to exit.



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

You can also change the MTS setting by pressing the “MTS” button on the remote control. (When you change channels, MTS is set to “Stereo” automatically. To listen in “SAP” or “Mono”, change the MTS setting).

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 46

Adjusting the Headphone Sound

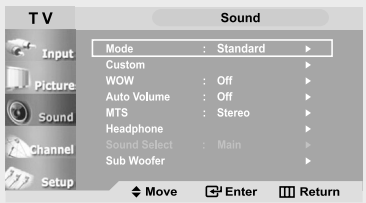
The headphone option is especially useful when simultaneously watching the main screen and the PIP window.

◀ Note: Headphones must be purchased separately.

1

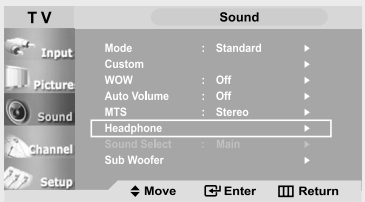
Press the **MENU** button to display the menu.

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



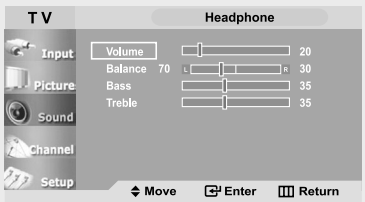
2

Press the **UP/DOWN** ▲▼ buttons to select “Headphone”, then press the **ENTER** button.



3

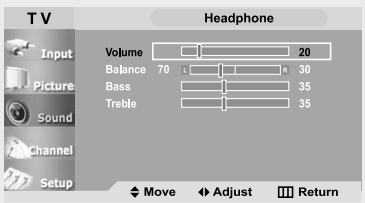
Press the **UP/DOWN** ▲▼ buttons to select the particular item to be changed.



4

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

Press the **EXIT** button to exit.



BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 47

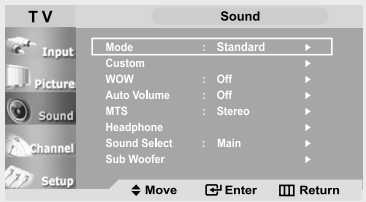
Selecting the Main or Sub Sound

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

1

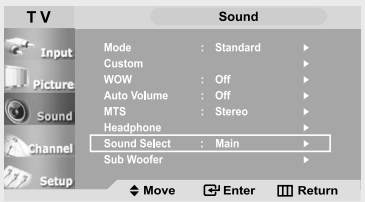
Press the **MENU** button to display the menu.

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



2

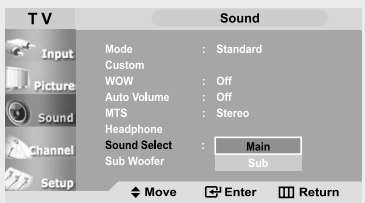
Press the **UP/DOWN** ▲▼ buttons to select “Sound Select”, then press the **ENTER** button.



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.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 48

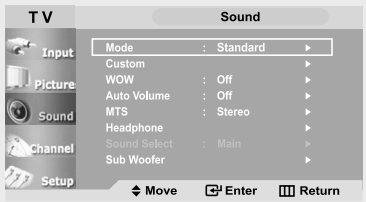
SubWoofer

The TV provides an output for hookup to an active (powered) subwoofer.

1

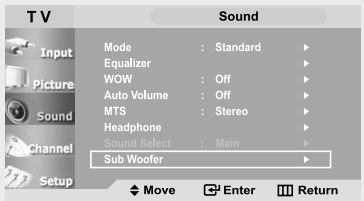
Press the **MENU** button to display the on-screen menu.

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



2

Press the **UP/DOWN** ▲▼ buttons to select “Sub Woofer”, then press the **ENTER** button.



3

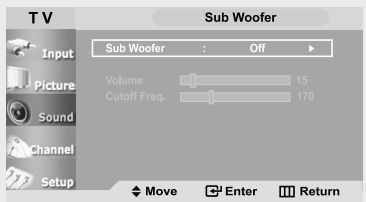
Press the **ENTER** button.

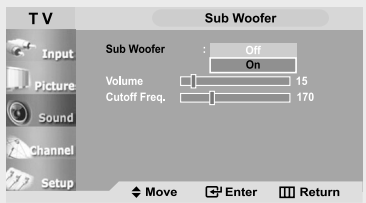
Press the **UP/DOWN** ▲▼ buttons to select “On”, then press the **ENTER** button.

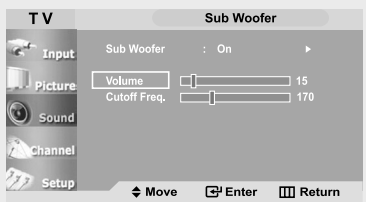
Press the **UP/DOWN** ▲▼ buttons to select the particular item to be changed.

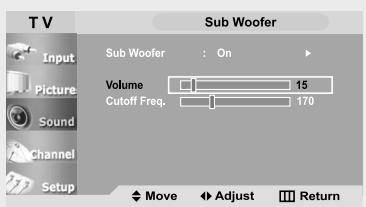
Press the **LEFT/RIGHT** ◀▶ buttons to decrease or increase the value of a particular item.

Press the **EXIT** button to exit.









◀ Note: Extra subwoofer speaker is necessary to emphasize low-key sound. Adjust cutoff frequency to emphasize the lower keys.

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 49

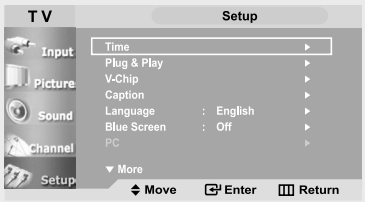
Setting the Clock

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

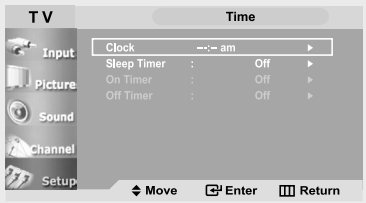
Press the **MENU** button to display the on-screen menu.

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



2

Press the **ENTER** button to select “Time”, then press the **ENTER** button to select “Clock”.



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.

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

BN68-00751A-01ENG.qxd 8/7/04 6:31 PM Page 50

Setting the On/Off Timer

1

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

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

Press the **ENTER** button to select “Time”.

◀ Before using the timer, you must set the TV’s clock. (See “Setting the Clock” on page 49)

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”.

Press the **LEFT/RIGHT** ◀▶ buttons to select “am/pm”

Press the **UP/DOWN** ▲▼ buttons to select “am” or “pm”.

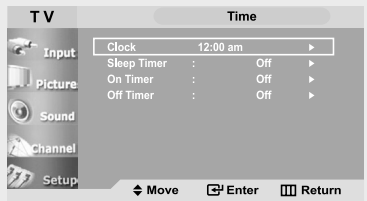
Press the **LEFT/RIGHT** ◀▶ buttons to select “Channel”

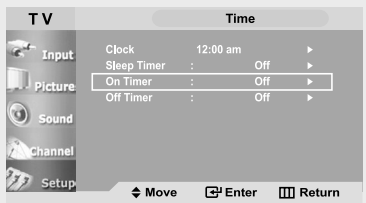
Press the **UP/DOWN** ▲▼ buttons repeatedly to select the appropriate “Channel”.

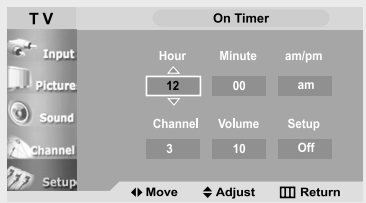
Press the **LEFT/RIGHT** ◀▶ buttons to select “Volume”

Press the **UP/DOWN** ▲▼ buttons repeatedly to select the appropriate “Volume”.

(i.e. the time when the TV will turn on).







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

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 51

3

Press the **LEFT/RIGHT** ◀▶ buttons to select “Setup”.

Press the **UP/DOWN** ▲▼ buttons to set the On Time “On”. (Repeatedly pressing the **UP/DOWN** ▲▼ buttons will alternate between On and Off).

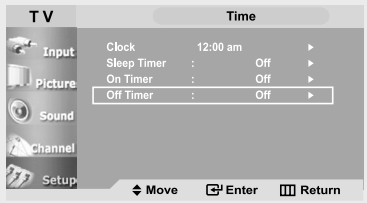
When finished, press the **ENTER** ↵ button.

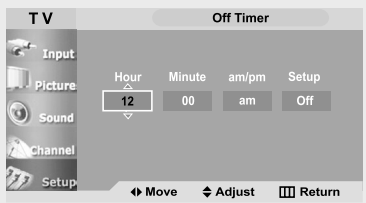
◀ To deactivate the “On Timer,” select “Off” during this step.

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).





◀ Note: 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. ‘Auto power off’ operates only when the TV has been turned on by the ‘Timer on’ function.

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 52

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 on-screen menu.

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

Press the **ENTER** button to select “Time”.

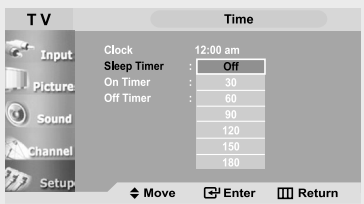
2

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

3

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

Press the **EXIT** button to exit.



- **Easy Way to Set the Sleep Timer**

  Press the SLEEP button on the remote.

  The number on the screen changes from Off • 30 • 60 • 90 • 120 • 150 • 180

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 53

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 on-screen menu.

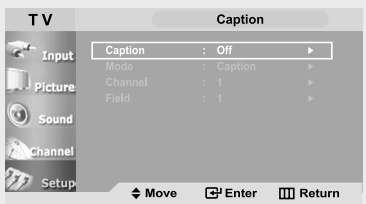
Press the **UP/DOWN** ▲▼ buttons to select "Setup", then press the **ENTER** button.

2

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

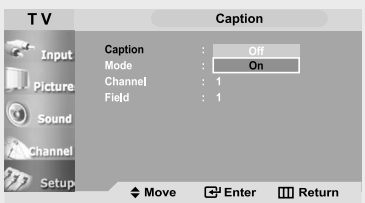
3

Press the **ENTER** button.



4

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



5

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

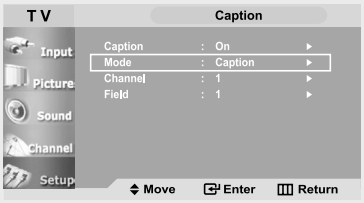
◀ Different channels and fields display different information: Field 2 carries additional information that supplements the information in Field 1. (For example, Channel 1 may have subtitles in English, while Channel 2 has subtitles in Spanish).

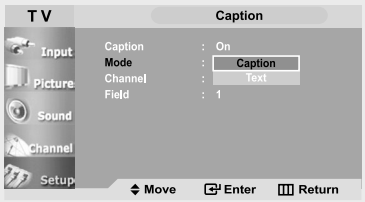
BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 54

6

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.

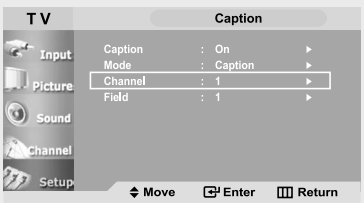




7

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.

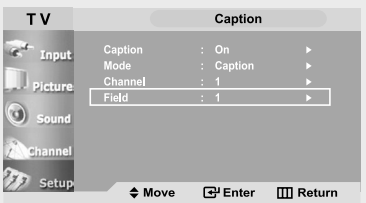


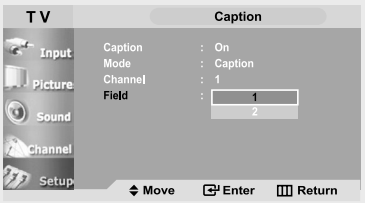
8

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.





BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 55

Using the V-Chip

The V-Chip feature automatically locks out programming that is deemed inappropriate for children. The user must first enter a PIN (personal ID number) before any of the V-Chip restrictions can be set up or changed.

Setting Up Your Personal ID Number (PIN)

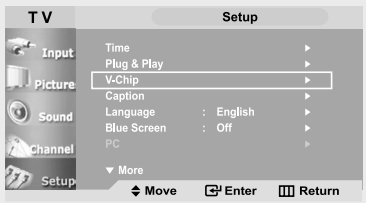
1

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

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

2

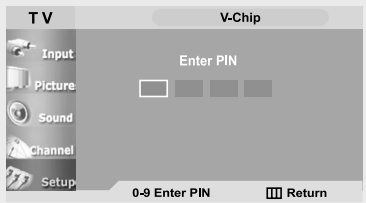
Press the **UP/DOWN** ▲▼ buttons to select “V-Chip”, then press the **ENTER** button.



3

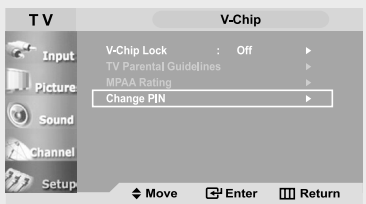
The “Enter PIN” screen will appear. Enter your 4-digit PIN number.

Note: The default PIN number for a new TV set is “**0-0-0-0.**”



4

After entering a valid PIN number, the “V-Chip” screen will appear. Press the **UP/DOWN** ▲▼ buttons to select “Change PIN”.



5

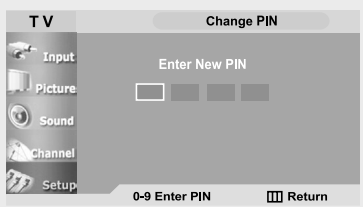
Press the **ENTER** button.

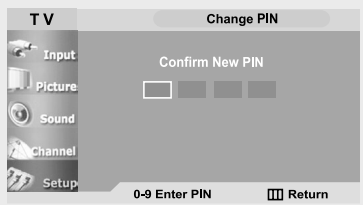
The Change PIN screen will appear. Choose any 4-digits for your PIN and enter them.

As soon as the 4 digits are entered, the “Confirm New PIN” screen appears. Re-enter the same 4 digits.

When the Confirm screen disappears, your PIN has been memorized.

Press the **EXIT** button to exit.





◀ Note: If you forget the PIN, press the remote-control buttons (with the unit “Off”) in the following sequence,which resets the PIN to **0-0-0-0**: POWER OFF ➔ MUTE ➔ 8 ➔ 2 ➔ 4 ➔ POWER ON.

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 56

How to Enable/Disable the V-Chip

Note: PIP operation is disabled when the V-chip is on.

1

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

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

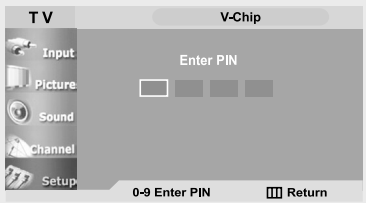
2

Press the **UP/DOWN** ▲▼ buttons to select “V-Chip”, then press the **ENTER** button.

3

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

Note: The default PIN number for a new TV set is “**0-0-0-0.**”

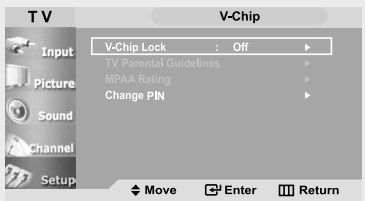


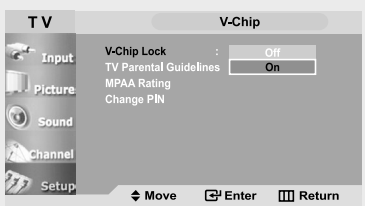
4

The “V-Chip” screen will appear, and “V-Chip Lock” will be selected.

To enable the V-Chip feature, press the **UP/DOWN** ▲▼ buttons so that the “V-Chip Lock” is set to “On”.

Press the **EXIT** button to exit.





BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 57

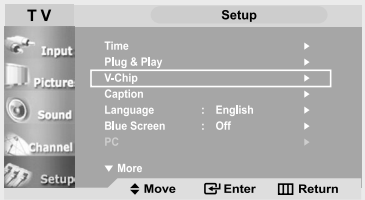
How to Set up Restrictions Using the 'TV Parental Guidelines'

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

1

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

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

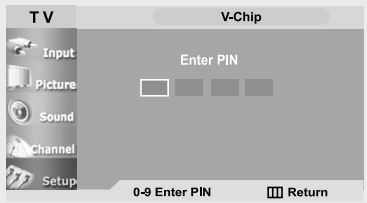


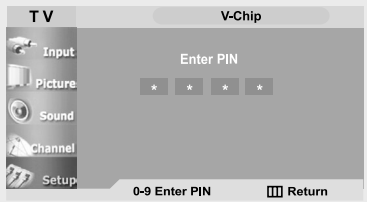
2

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

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

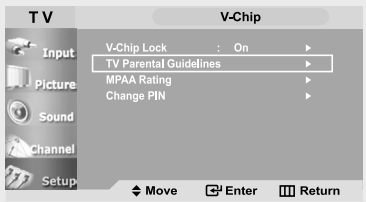
Note: The default PIN number for a new TV set is "**0-0-0-0.**"





3

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



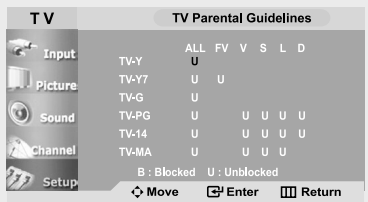
4

The "TV Parental Guidelines" screen will appear.

Press the **UP/DOWN** ▲▼ buttons to select one of the six age-based categories:

TV-Y Young children
TV-Y7 Children 7 and over

TV-G General audience
TV-PG Parental guidance
TV-14 Viewers 14 and over
TV-MA Mature audience



◀ Note: These categories consist of two separate groups: TV-Y and TV-Y7 (young children through age 7), and TV-G through TV-MA (everybody else).
The restrictions for these two groups work independently:
If a household includes very young children as well as young adults, the TV guidelines must be set up separately for each age group.
(See next step.)

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 58

5

At this point, one of the TV-Ratings is selected.

Depending on your existing setup, the letter “U” or “B” will be highlighted (changed to yellow). (U= Unblocked, B= Blocked)

When the “U” or “B” is highlighted, press the **ENTER** button to block or unblock the category.

To select a different TV-Rating, press the **UP/DOWN** ▲▼ buttons and then repeat the process.

To **EXIT** this screen, press the **MENU** buttons again.

Note 1: The TV-Y7, TV-PG, TV-14 and TV-MA have additional options.
See the next step to change any of the following sub-ratings:

FV: Fantasy Violence
D : Sexual suggestive Dialog
L : Adult Language
S : Sexual situation
V : Violence

Note 2: The V-Chip will automatically block certain categories that are “more restrictive.” For example, if you block “TV-Y” category, then TV-Y7 will automatically be blocked. Similarly, if you block the TV-G category, then all the categories in the “young adult” group will be blocked (TV-G, TV-PG, TV-14 and TV-MA). The sub-ratings (D, L, S, V) work together similarly. (See next section.)

6

How to set the FV, D, L, S and V sub-ratings.

First, select one of these TV-Ratings: TV-Y7, TV-PG, TV-14 or TV-MA (See Step 4, on previous page).

Next, while the TV-Rating is selected, repeatedly press the **LEFT** or **RIGHT** buttons.

This will cycle through the available sub-ratings (FV,L, S, D or V).

A highlighted letter (“U” or “B”) will be displayed for each sub-rating. While the “U” or “B” is highlighted, press the **ENTER** button to change the sub-rating.

Press the **MENU** buttons once to save the TV guidelines.

To select a different TV-Rating, press the **UP/DOWN** ▲▼ buttons and then repeat the process.

To exit this screen, press the **MENU** buttons once again.

Note: The V-chip will automatically block certain categories that are “More restrictive”. For example, if you block the “L” sub-rating in TV-PG, then the “L” sub-ratings in TV-14 andTV-MA will automatically be blocked.

7

Press the **MENU** button to clear all the screens.

(Or proceed to the next section, and set up additional restrictions based on the MPAA codes).

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 59

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

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

1

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

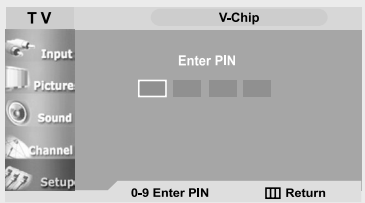
Press the **UP/DOWN** ▲▼ buttons to select “Setup”, then press the **ENTER** button.

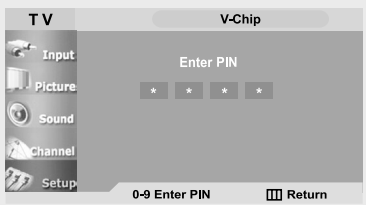
Press the **UP/DOWN** ▲▼ buttons to select “V-Chip”, then press the **ENTER** button.

2

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

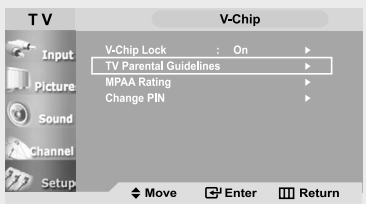
Note: The default PIN number for a new TV set is “**0-0-0-0.**”





3

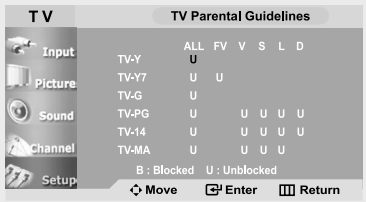
Press the **UP/DOWN** ▲▼ buttons to select “MPAA rating”, then press the **ENTER** button.



BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 60

4

Repeatedly press the **UP/DOWN** ▲▼ buttons to select a particular MPAA category. (When a category is selected, its color changes to yellow.)



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

Press the **ENTER** ⏎ button to select "U" or "B".

Press the **MENU** ▥ button four times to save the settings and to clear all screens.

Note: The V-Chip will automatically block any category that is "more restrictive". For example, if you block the "PG-13" category, then "R" , "NC-17" and "X" will automatically be blocked also.

How to Reset the TV after the V-Chip Blocks a Channel ('Emergency Escape')

If the TV is tuned to a restricted channel, the V-Chip will block it. The screen will go blank and the following message will appear: "Excessive rating".

To resume normal viewing, tune to a different channel using the number buttons. Under certain conditions (depending on the rating of the local TV programs) the V-Chip might lock out all the channels.
In this case, use the **MENU** ▥ button for an "emergency escape":
Select the V-Chip on the Menu. Enter your PIN number, and press the **ENTER** ⏎ button to temporarily disable the V-Chip Lock.

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 61

Color Weakness

This feature enables those with a color weakness to view images as those with normal color vision do.
The feature provides nine different color adjustment layers for red, green and blue.

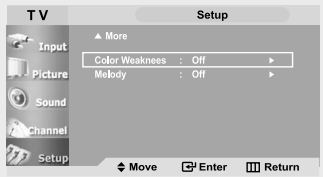
1

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

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

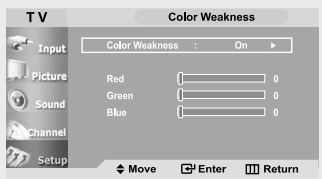
2

Press the **UP/DOWN** ▲▼ buttons to select “Color Weakness”, then press the **ENTER** button.



3

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

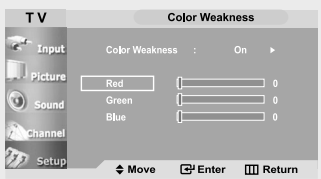


4

Press the **UP/DOWN** ▲▼ buttons to select “Red”, “Green”, “Blue”.

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

Press the **EXIT** button to exit.



◀ This function doesn’t work when the Source is in PC mode, or DNIe is set to off.

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 62

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 on-screen menu.

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

2

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

3

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

Press the **EXIT** button to exit.

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 63

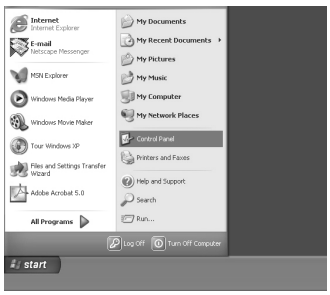
Chapter Five

PC DISPLAY

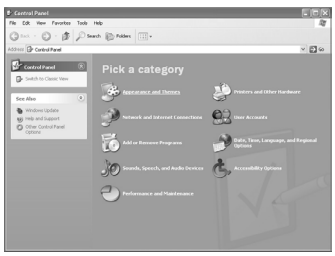
Using Your TV as a Computer (PC) Display

Setting Up Your PC Software (Based on Windows XP)

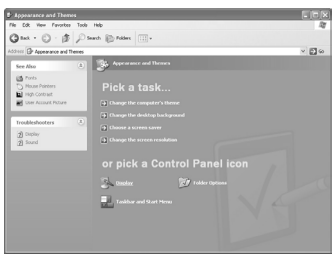
The Windows display-settings for a typical computer are shown below. The actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. However, even if your actual screens look different, the same basic set-up information will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



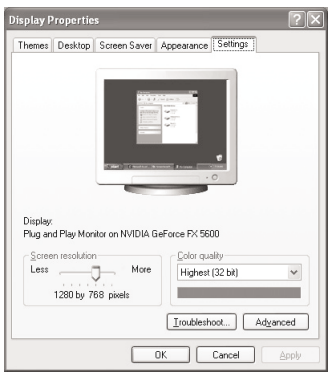
1 First, click on "**Control Panel**" on the Windows start menu.



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)
LN-P267W: 1280 x 768 pixels
LN-P327W: 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 73.

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 64

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 on the remote control to select the PC mode.

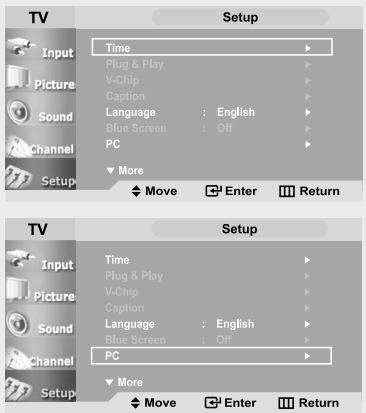
Note: This function does not work in DVI-Digital mode.

1

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

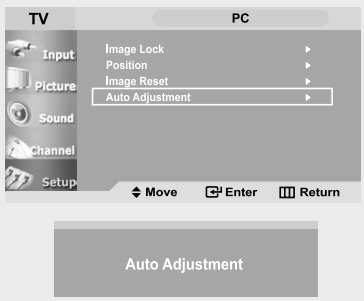
Press the **UP/DOWN** ▲▼ buttons to select “Setup”, then press the **ENTER** button.

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



2

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



BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 65

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 on the remote control to select the PC mode.

1

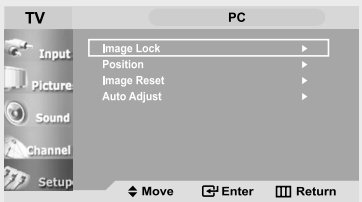
Press the **MENU** button to display the menu.

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.

2

Press the **ENTER** button to select “Image Lock”.

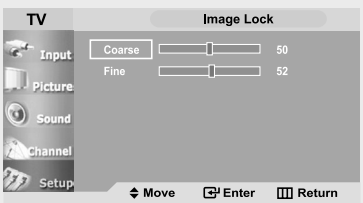


3

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. Vertial stripes may appear or the picture may be blurry.

Press the **EXIT** button to exit.



<Adjusting Coarse>

<Adjusting Fine>

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 66

Changing the Screen Position

Press the PC button on the remote control to select the PC mode.

1

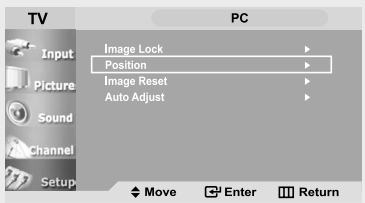
Press the **MENU** button to display the menu.

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

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.

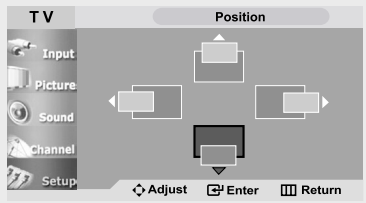


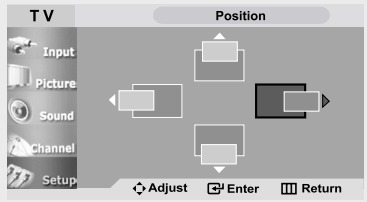
3

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.





BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 67

Initializing the Screen Position or Color Settings

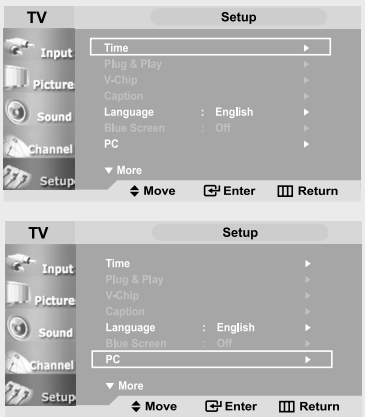
Press the PC button on the remote control to select the PC mode.

1

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

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

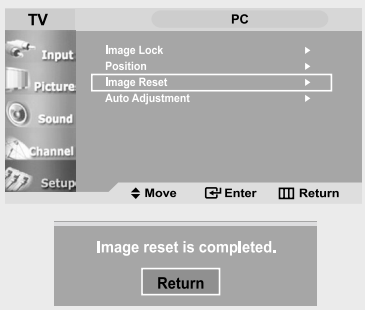
Press the **UP/DOWN** ▲▼ buttons to select “PC”, then press the **ENTER** button.



2

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

Press the **EXIT** button to exit.



BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 68

Chapter Six

TROUBLESHOOTING

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

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.
Picture rolls vertically.	Check all wire connections.
The TV operates erratically.	Unplug the TV for 30 seconds, then try operating it again.
The TV won't turn on.	Make sure the wall outlet is working.
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.

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 69

TROUBLESHOOTING

Problem	Possible Solution
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.
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.	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:
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.

	26" (LN-P267W)	32" (LN-P327W)
Horizontal frequency (kHz)	30~68	30~61
Vertical frequency (Hz)	56~85	56~75
Maximum refresh rate (at 60Hz)	1280x768	1360x768

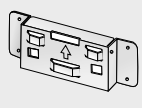
TFT LCD panel manufactured by using advanced semiconductor technology with precision of 1ppm(one millionth) above is used for this product. This is not from bad quality and you can use it without uneasiness. For example, the number of TFT LCD sub pixels: 26inch - 2,949,120, 32inch - 3,133,440

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 70

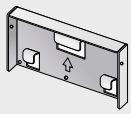
Installing the Wall Mount Kit

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

ⓒ Screw: 8EA

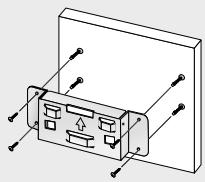
ⓓ Wood Screw: 4EA

ⓔ Anchor: 4EA

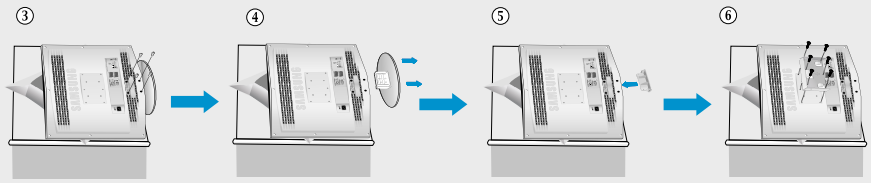
ⓕ Installation Guide

How to assemble the Wall Mount Bracket

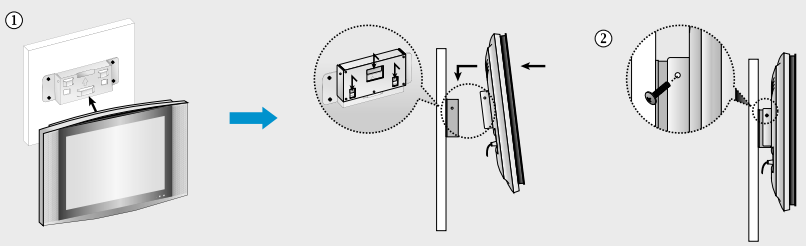
1 ① Mark the location of hole on the wall.
② Make over 35mm-depth-hole on the marked location using drill.
③ Fix anchors ⓔ on each hole on the wall.
④ Connect wall-bracket ⓐ to the wall with wood screws ⓓ after fitting anchors ⓔ into the wall-bracket ⓐ.
Note: If the bracket is not firmly fixed to the wall, LCD TV can fall off.



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 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 ⓑ onto the rear side of the TV set and secure the screws ⓒ.



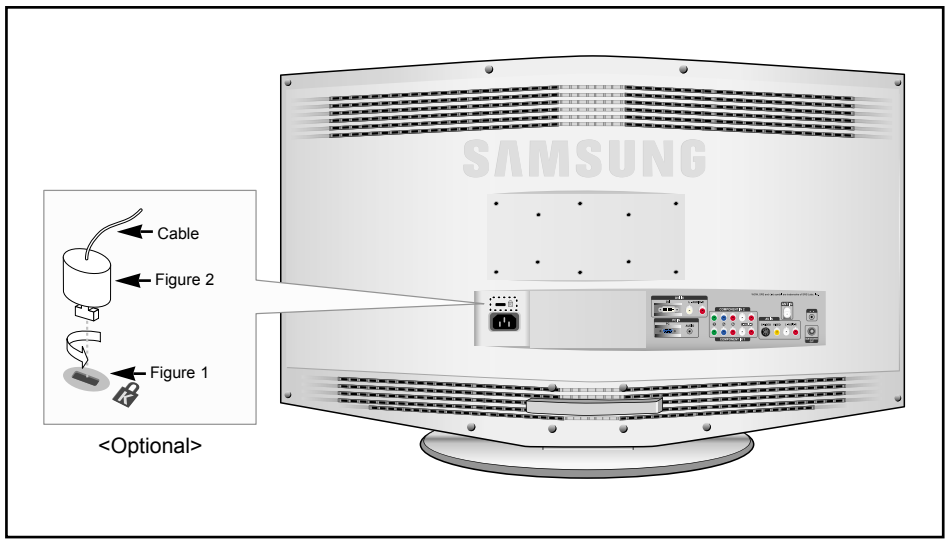
3 ① Insert three Hangers of the set-bracket ⓑ into the grooves of the wall-bracket ⓐ.
② Fix set-bracket ⓑ and wall-bracket ⓐ with screws ⓒ.



BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 71

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.



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.

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 72

Specifications

Model	LN-P267W	LN-P327W
Planel		
Size	26" Diagonal	32" Diagonal
Display Size	21.91 (H) X 13.38 (V) inches (556.4 (H) X 339.84 (V) mm)	27.06 (H) X 16.24 (V) inchrs (687.3 (H) X 412.42 (V) mm)
Type	a-si TFT active matrix	a-si TFT active matrix
Pixel Pitch	0.0174 (H) X 0.0174 (V) inches (0.4425 (H) X 0.4425 (V) mm)	0.021 (H) X 0.021 (V) inches (0.537 (H) X 0.537 (V) mm)
Viewing Angle	170/170 (H/V)	170/170 (H/V)
***Frequency**		
Horizontal	30 ~ 68 kHz	30 ~ 61 kHz
Vertical	56 ~ 85 Hz	56 ~ 75 Hz
Display Color	16,194,277 colors	16,777,216 colors
Display Resolution		
Maximum Mode	1280 x 768 @ 60 Hz	1366 x 768 @ 60 Hz
Input Signal		
Sync Signal	H/V Separate, TTL, P. or N.	
Video Signal	0.7 Vp-p @ 75 ohm	
Video		
Color System	NTSC	
Video System	CVBS, S-VHS	
Component		
Video In	1.0 Vp-p @ 75 ohm	
Audio In	500mVrms	
Power Supply		
Input	AC 120V~ 60 Hz	
Power Consumption		
Normal	130 W	160 W
Power Saving	< 5.0 W	< 5.0 W
Dimensions		
Unit (WxDxH): body	32.56 X 4.43 X 19.86 inches (827 X 112.5 X 504.5 mm)	38.27 X 4.57 X 22.24 inches (972 X 116 X 565 mm)
With Stand (WxDxH)	32.56 X 10.94 X 20.47 inches (827 X 278 X 520 mm)	38.27 X 12.48 X 22.74 inches (972 X 317 X 577.5 mm)
Weight		
With Stand	39.68 lbs (18.0 kg)	47.40 lbs (21.5 kg)
Environmental Considerations		
Operating Temperature	50 °F to 104 °F (10 °C to 40 °C)	50 °F to 104 °F (10 °C to 40 °C)
Operating Humidity	10% to 80%, non-condensing	10% to 80%, non-condensing
Storage Temperature	-13 °F to 113 °F (-25 °C to 45 °C)	-4 °F to 113 °F (-20 °C to 45 °C)
Storage Humidity	5% to 95%, non-condensing	5% to 95%, non-condensing
Audio Characteristics		
Audio Input 1	RCA Jack (L, R), 0.5Vrms (-9dB)	
Audio Input 2	3.5ø Stereo Jack, 0.5Vrms (-9dB)	
Headphone Out	Max. 10mW Output (3.5ø Stereo Jack 32Ω)	
Frequency	RF: 80Hz ~ 15kHz (at- 3dB)	
Response	A/V: 80Hz ~ 20kHz (at - 3dB)	

* Referring to Display Modes, page 73.

BN68-00751A-01ENG.qxd 8/7/04 6:32 PM Page 73

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 videocard 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)
Macintosh	640 X 480	35.000	66.667	30.240	- / -
	832 X 624	49.726	74.551	49.500	+ / +
IBM	640 X 480	31.496	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	48.363	60.004	65.000	- / -
	1024 X 768	56.476	70.069	75.000	- / -
	1360 X 768	47.712	60.015	85.800	+ / +
GTF	1280 X 768	47.700	60.000	80.136	- / +

* 1360 X 768 mode supported only in LN-P327W.

* 1280 X 768 mode supported only in LN-P267W.