SAMSUNG

HC-P4363W

PROJECTION TELEVISION

Owner's Instructions

This device is a Class B digital apparatus.

Important Warranty Information Regarding Television Format Viewing

Standard screen format televisions (4:3, the aspect ratio of the screen width to height) are primarily designed to view standard format full-motion video. The images displayed on them should primarily be in the standard 4:3 ratio format and constantly moving. Displaying stationary graphics and images on screen, such as the dark top and bottom letterbox bars (wide screen pictures), should be limited to no more than 15% of the total television viewing per week.

Wide screen format televisions (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on non-expanded standard format television video and programming, should be limited to no more than 15% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. *Displaying any stationary images that exceed the above guidelines can cause uneven aging of picture tubes (CRTs) that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars.* On television models that offer picture sizing features, use these controls to view the different formats as a full screen picture.

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

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<div style="border:1px solid black; display:inline-block; padding:10px 40px;">CONTENTS</div>

Chapter 1: Your New TV

Chapter 2: Installation

Chapter 3: TV Operation

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Chapter One

YOUR NEW TV

List of Features

Your TV was designed with the latest technology. This TV is a high-performance unit that includes the following special features:

• Easy-to-use remote control

• Easy-to-use on-screen menu system

• Automatic timer to turn the TV on and off

• Adjustable picture and sound settings that can be stored in the TV's memory

• Automatic channel tuning for up to 181 channels

• A special filter to reduce or eliminate reception problems

• Fine tuning control for the sharpest picture possible

• A built-in multi-channel sound decoder for stereo and bilingual listening

• Built-in, dual channel speakers

• A special sleep timer

• **P**icture-**I**n-**P**icture capability that lets you watch two channels at once

• Component Video Input jacks to obtain a sharper image from external sources

• Self Focus

• Digital Inputs
    DVI - **D**igital **V**isual **I**nterface
    HDMI - **H**igh **D**efinition **M**ultimedia **I**nterface

• DTS digital output for DTS-enhanced DVDs.

• Playback MP3, JPG, WMA, MPG files from CD-ROM.
    Discs which cannot be played: DVD-ROM, CD-ROM, CDI, HD layer of super Audio CD, CDGs play audio only, not graphics, CDV

Accessories

Once you have unpacked your TV, check to make sure that you have all the parts shown here. If any piece is missing or broken, call your dealer.

Remote Control
(BP59-00065A)/
AAA Batteries
(4301-000103)

Audio/Video Cable
(AA39-00006A)

Holder-Caster
(BP61-00447C)

Owner's Instructions (1)/
Safety Guide Manual (1)/
Quick Guide Manual (1)

Warranty Cards (2)/
Registration Card (1)

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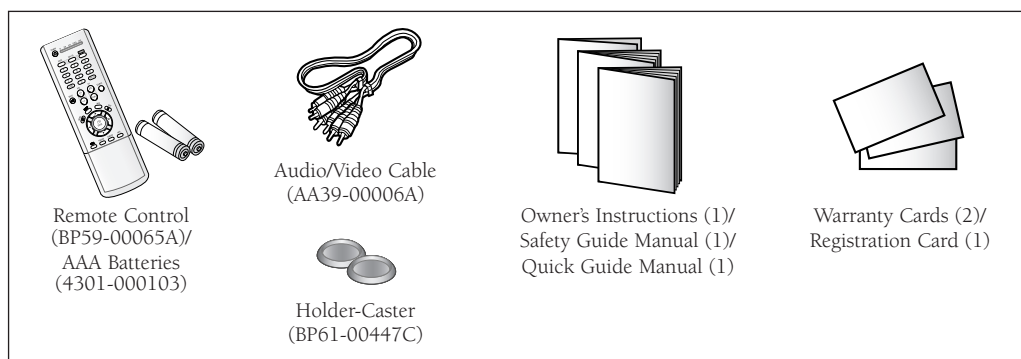
Familiarizing Yourself with Your New TV

Control Buttons

You can 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 Stand-By Indicator
Lights up when you turn the power off.
- Power Off ; Red
- Power On ; Off
- Timer On ; Green

❸ Remote Control Sensor
Aim the remote control towards this spot on the TV.

❹ SOURCE
Press to switch between viewing TV programs and signals from connected components.

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

❻ + VOL –
Press to lower or raise the volume and to select items when using the on-screen menu

❼ ⌄ CH ⌄
Press to change channels and move between items on the on-screen menu.

❽ ↵ (Enter)
While using the on-screen menus, press to activate (or change) a particular item.

❾ ⏮, ⏭
Press to skip or search the title, chapter or track.

❿ ■
Press to stop the disc.

⓫ ▶❙❙
Press to play or pause the disc.

⓬ ▲
Press to open and close the disc tray.

⓭ Disk Tray
Load the disc here.

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YOUR NEW TV

Using a Display Deck

You can display a VCR or DVD Player, etc. by using the display deck.

Connection Jacks (Side or Front)

You can connect an A/V component that is used only occasionally, such as a camcorder or video game. For information on connecting equipment, see page 18.
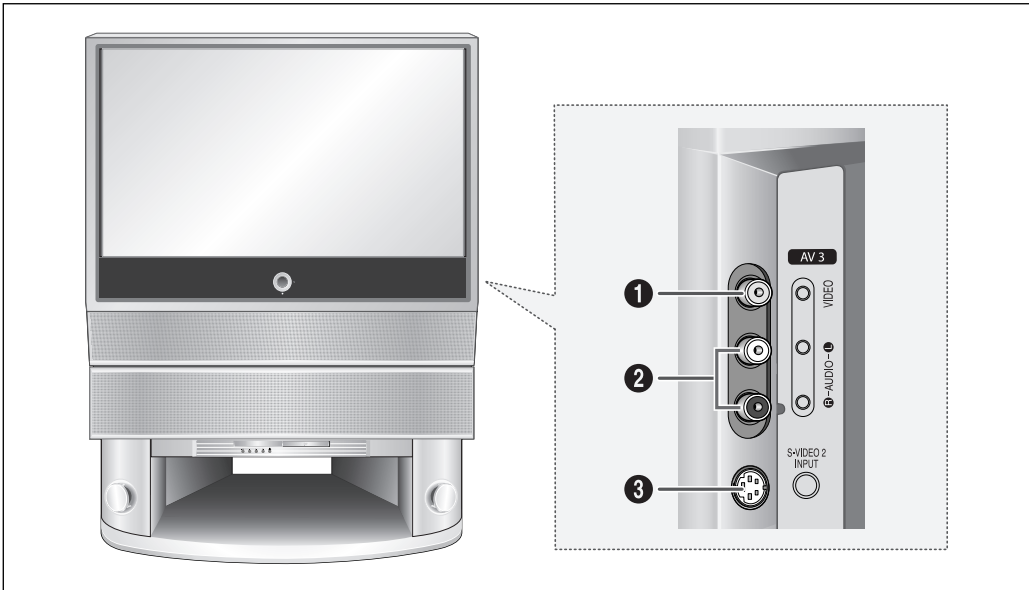
❶ **VIDEO Input**
Connect the video signal from a camcorder or video game.

❷ **AUDIO Inputs**
Connect the audio signals from a camcorder or video game.

❸ **S-VIDEO Input**
Connect an S-Video signal from a camcorder or video game.

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YOUR NEW TV

Connection Jacks (Rear)

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 14~19.
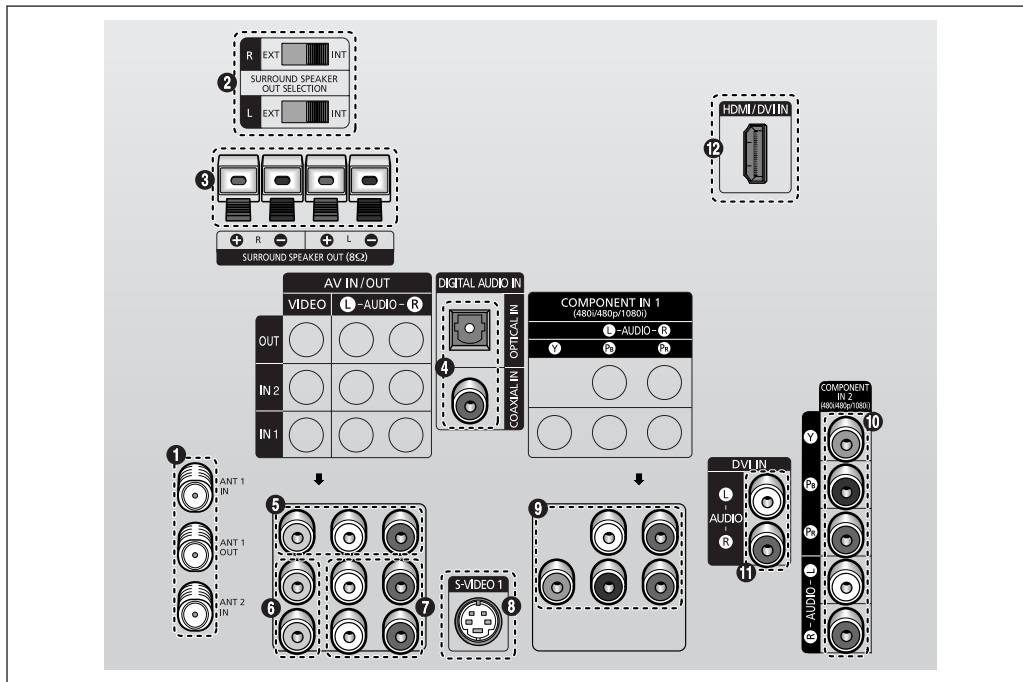
❶ **Antenna terminals**
Two independent cables or antennas can be connected to these terminals. Use "ANT 1 IN" and "ANT 2 IN" terminals to receive a signal from VHF/UHF antennas or your cable system.
Use the "ANT 1 OUT" terminal to send the signal being received by the "ANT 1 IN" terminal out to another component (such as a Cable Set-Top Box). The PIP channel can be received only when a signal source is connected to "ANT 1 IN".

❷ **Surround Speaker Output Selection**
The factory default is set to INT (Internal).
For sound output to external speakers, set to EXT (External), then sound to the internal speaker is off.

❸ **Surround Speaker Output**
Connect to the external speakers.
To improve the sound quality, connect the red wire to the red terminal and black wire to the black terminal.

❹ **Digital Audio Input jacks**
Connect to the digital audio output jacks for device with digital audio output.

❺ **Audio/Video Output jacks**
Connect to the audio/video input jacks of a recording VCR.

❻ **Video Input jacks**
Connect to the video output jacks of VCRs, DVD players and similar devices.

❼ **Audio Input jacks**
Connect to the audio output jacks of VCRs, DVD players and similar devices.

❽ **S-Video Input jack**
Connect to S-VIDEO output jacks of an S-VHS VCR or DVD player.

❾❿ **COMPONENT Input jacks (Y, P$_B$, P$_R$, AUDIO-L/R)**
Connect to the audio and video outputs of DVD or DTV Set-Top Box. 480i/480p/1080i Y,P$_B$ and P$_R$ video signal outputs are available.

⓫ **DVI Audio Input jacks**
(**D**igital **V**isual **I**nterface)
Connect to the digital audio output jacks for device with DVI output.

⓬ **HDMI/DVI Video Input jack**
(**H**igh **D**efinition **M**ultimedia **I**nterface)
Connect to the HDMI jack for device with HDMI or DVI output.

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YOUR NEW TV

Remote Control (TV Funtions)

You can use the remote control up to about 23 feet from the TV. When using the remote control, always point it directly at the TV. You can also use your remote control to operate your Set-Top box, VCR, Cable box or DVD player. See pages 67~68 for details.

❶ POWER
Turns the TV on and off.

❷ TV/DVD
Press to switch between TV and DVD mode.

❸ Number buttons
Press to select channels directly on the TV.

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

❺ MUTE
Press to temporarily cut off the sound.

❻ VOL +, VOL –
Press to increase or decrease the volume.

❼ FAV. CH (Favorite Channel)
Press to switch between your favorite channels.

❽ MENU
Displays the main on-screen menu.

❾ ADD/DEL
Press to add or erase channels in the TV's memory. Use to memorize or erase the fine tuning after fine tuning channels.

❿ A. PROG
Press to store channels in Memory Automatically

⓫ CAPTION
Press to view closed caption information.

⓬ SELF FOCUS
Press to adjust for the optimum picture set in the factory.

⓭ P.SIZE
Press to change the picture size.

⓮ S.MODE
Adjust the TV sound by selecting one of the preset factory settings (or select your personal, customized sound settings.)

⓯ MODE
Selects a target device to be controlled by this remote control (i.e., TV, STB, VCR, CABLE or DVD).

⓰ PRE-CH
Tunes to the previous channel.

⓱ CH∧, CH∨
Press to change channels.

⓲ SOURCE
Each time the button is pressed, all the inputs connected to the external component jacks will be shown in regular sequence.

⓳ INFO
Press to display information on the TV screen.

⓴ EXIT
Press to exit the menu.

㉑ ◄/►/▼/▲
Control the cursor in the menu.

㉒ ENTER
While using the on-screen menus, press ENTER to activate (or change) a particular item.

㉓ PIP
Activates PIP (Picture-In-Picture).

㉔ CH∧, CH∨
Displays the available channels in sequence. (These buttons change channels in the PIP window only.)

㉕ SWAP
Press to exchange the video signal that is currently displayed on the main screen with the signal in the PIP window.

㉖ MTS (Multichannel Television Sound)
Press to choose "Stereo", "Mono" or "SAP (Secondary Audio Program)".

㉗ STILL (Main picture)
Press to stop the action during a particular scene. Press again to resume normal video. The still function doesn't operate in "Component 1" and "Component 2" mode.

9
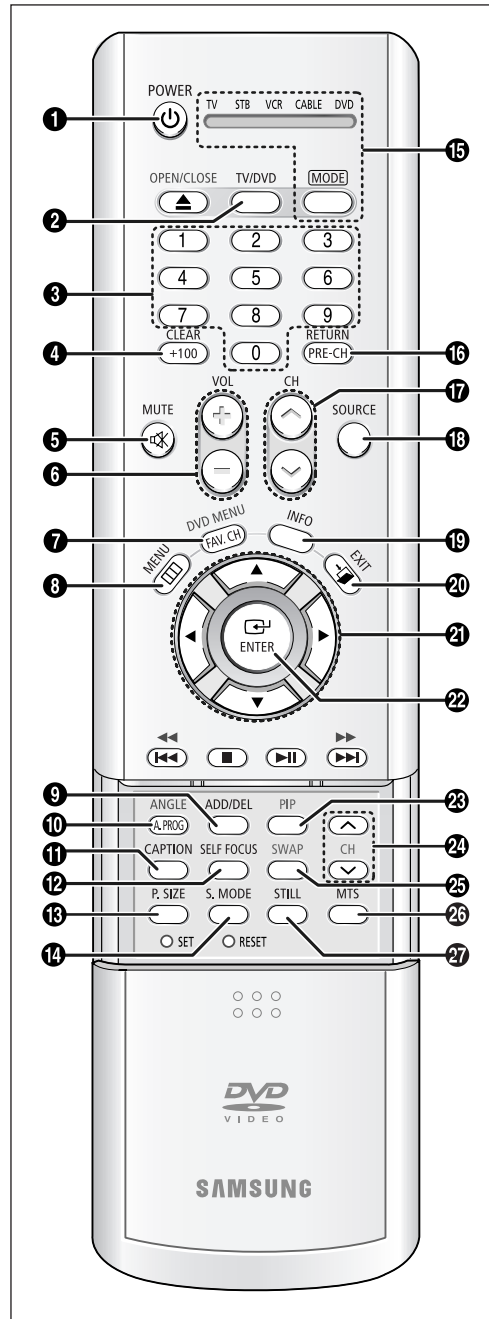
YOUR NEW TV

Remote Control (DVD and Extra Funtions)

❶ **OPEN/CLOSE**
Press to open or close the disc tray.

❷ **CLEAR**
Press to delete a bookmark number and cancel the program play.

❸ **DVD MENU**
Displays the DVD play's Setup menu.

❹ ◄◄
Press to search backward through a disc.

I◄◄
Press to skip the back title, chapter, or track.

❺ ■
Press to stop the disc

❻ **ANGLE**
Press to access various camera angles on a DVD.

❼ **SET**
Used during set up of this remote control, so that it will work compatibly with other devices (VCR, Cable Box, DVD, Set-Top Box etc.)
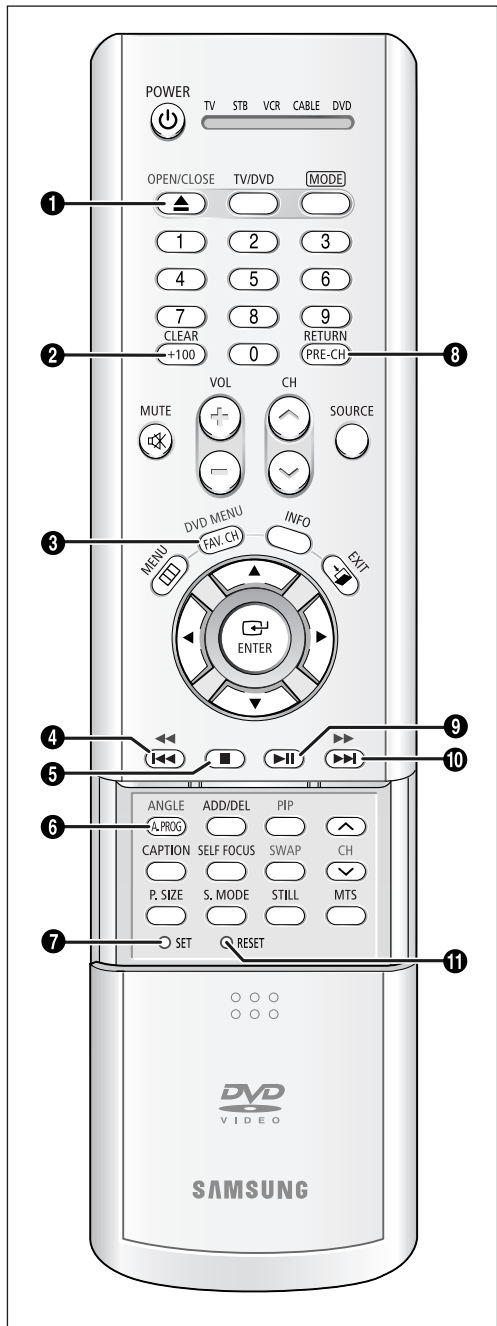
❽ **RETURN**
Press to return to a previous menu or exit.

❾ ►II
Press to play or pause the disc.

❿ ►►
Press to search forward through a disc.

►►I
Press to skip the next title, chapter, or track.

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

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Chapter Two

INSTALLATION

Connecting VHF and UHF Antennas

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 the 300-75 ohm adaptor (not supplied). Use a screwdriver to tighten the screws.
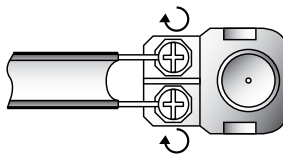
2

Plug the adaptor into the "ANT 1 IN" terminal on the rear panel.

ANT 1 IN
ANT 1 OUT
ANT 2 IN
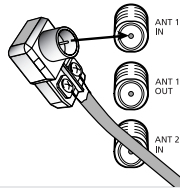
Antennas with 75-ohm Round Leads

Plug the antenna lead into the "ANT 1 IN" terminal on the rear panel.

ANT 1 IN
ANT 1 OUT
ANT 2 IN
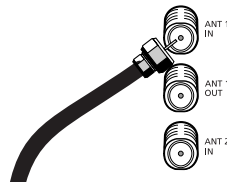
Separate VHF and UHF Antennas

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

1

Connect both antenna leads to the combiner.

2

Plug the combiner into the "ANT 1 IN" terminal on the rear panel.

VHF UHF

ANT 1 IN
ANT 1 OUT
ANT 2 IN

11
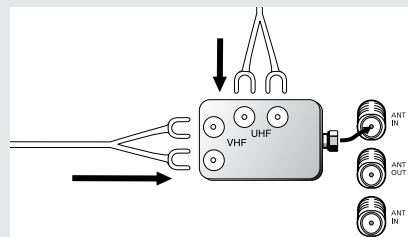
Connecting Cable TV

You can connect different cable systems to your TV, including cable without a cable box, and cable with a cable box that descrambles some or all channels.

Cable without a Cable Box

If you want to connect cable, and you do not need to use a cable box:

Plug the incoming cable into the "ANT 1 IN" terminal on the rear panel.

ANT 1 IN
ANT 1 OUT
ANT 2 IN
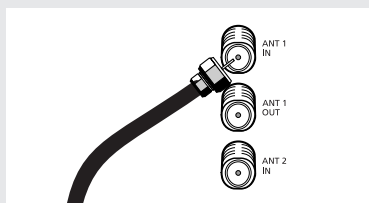
Cable with a Cable box that Descrambles All Channels

1

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

ANTENNA IN

ANTENNA OUT

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

2

Connect the other end of this cable to the "ANT 1 IN" terminal on the rear panel.

ANT 1 IN
ANT 1 OUT
ANT 2 IN

12
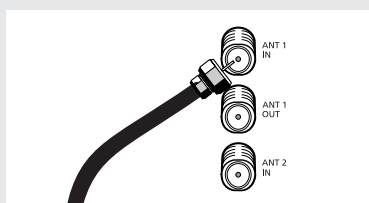
Connecting to a Cable Box that Descrambles Some Channels

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 coaxial cable. (These items are available at most electronics stores.)

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

ANTENNA IN

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

2
Connect this cable to a two-way splitter. Connect a coaxial cable between an OUTPUT terminal on the splitter and the IN terminal on the cable box.

Incoming Cable

Splitter

IN   CABLE   OUT

Cable Box

3
Connect a coaxial cable between the ANTENNA OUT terminal on the cable box and the B-IN terminal on the A/B switch.

IN   CABLE   OUT

RF (A/B) Switch

4
Connect another cable between the other OUT terminal on the splitter and the A-IN terminal on the RF (A/B) switch.

IN   CABLE   OUT

5
Connect the last coaxial cable between the OUT terminal on the RF (A/B) switch and the "ANT 1 IN" terminal on the rear panel.

IN   CABLE   OUT

ANT 1 IN
ANT 1 OUT
ANT 2 IN

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.)

13
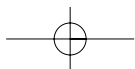
Connecting a VCR

These instructions assume that you have already connected your TV to an antenna or a cable TV system (according to the instructions on pages 11~13). Skip step **1** if you have not yet connected to an antenna or a cable system.

1

Connect a coaxial cable between the "ANT IN" (1 or 2) terminal on the TV and the ANTENNA OUT terminal on the VCR.
A coaxial cable is usually included with a VCR. (If not, check your local electronics store).

2

Connect a set of audio cables between the "AV IN 1 (L, R)" (or "AV IN 2 (L, R)") jacks on the TV and AUDIO OUT jacks on the VCR.
If you have a mono VCR, connect L(mono) to VCR audio out using only one audio cable.

3

Connect a video cable between the "AV IN 1 (VIDEO)" (or "AV IN 2 (VIDEO)") jack on the TV and the VIDEO OUT jack on the VCR.

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

TV Rear Panel

From Cable

Coaxial Cable

Audio Cable

OR

Video Cable

From Antenna

VCR Rear Panel
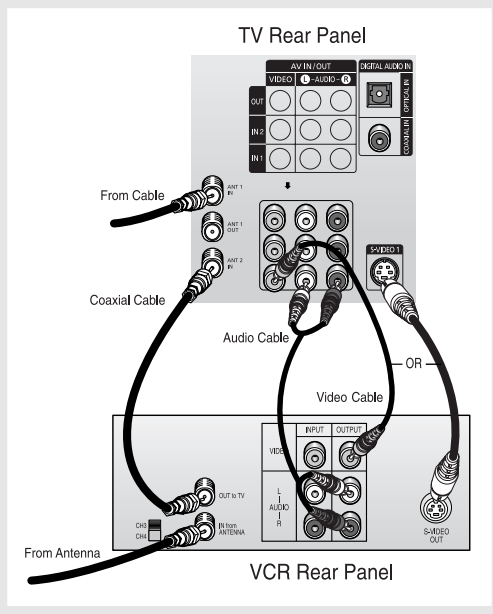
• Also, you can connect to "AV 3" on the side panel of TV.

Connecting a Second VCR to Record from the TV

Your TV can send out signals of its picture and sound to be recorded by a second VCR. To do this, connect your second VCR as follows:

1

Connect a set of audio cables between the "AV OUT (L, R)" jacks on the TV and the AUDIO IN jacks on the VCR.
(The VCR input jacks might be either on the front or rear of the VCR.)

2

Connect a video cable between the "AV OUT (VIDEO)" jack on the TV and the VIDEO IN jack on the VCR.

Refer to your VCR's instructions for more information about how to record using this kind of connection.

TV Rear Panel

From Cable

Coaxial Cable

Video Cable

Audio Cable

From Antenna

VCR Rear Panel

14
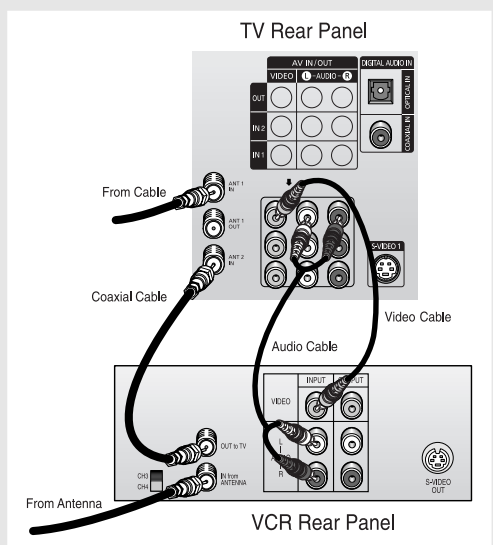
I NSTALLATION

Connecting a DVD Player

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

Connecting to Y, P𝐵, P𝐑

1

Connect a set of audio cables between the "COMPONENT IN 1 (L, R)" (or "COMPONENT IN 2 (L, R)") jacks on the TV and the AUDIO OUT jacks on the DVD player.

2

Connect a set of video cables between the "COMPONENT IN 1 (Y, P𝐵, P𝐑)" (or "COMPONENT IN 2 (Y, P𝐵, P𝐑)") jacks on the TV and the VIDEO OUT (Y, P𝐵, P𝐑) jacks on the DVD player.

For an explanation of Component video, see your DVD player's owner's instruction.

TV Rear Panel

Audio Cable

Video Cable
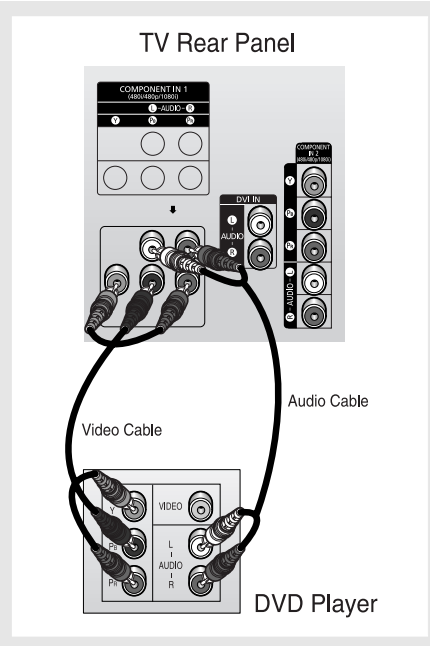
DVD Player

Connecting to Regular Audio and Video Jacks

1

Connect a set of audio cables between the "AV IN 1 (L, R)" (or "AV IN 2 (L, R)") jacks on the TV and the AUDIO OUT jacks on the DVD player.

2

Connect a video cable between the "AV IN 1 (VIDEO)" (or "AV IN 2 (VIDEO)") jack on the TV and the VIDEO OUT jack on the DVD player.

TV Rear Panel

DVD Player

Video Cable

Audio Cable

• Also, you can connect to "AV 3" on the side panel of TV.

15
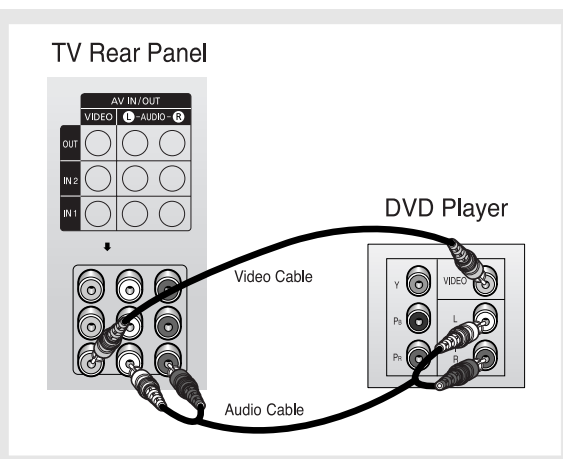
INSTALLATION

Connecting a Digital TV Set-Top Box

The rear panel jacks on your TV make it easy to connect a Set-Top Box to your TV.

Connecting to Y, PB, PR

1

Connect a coaxial cable to the ANTENNA IN terminal on the Set-Top Box.

2

Connect a set of audio cables between the "COMPONENT IN 1 (L, R)" (or "COMPONENT IN 2 (L, R)") jacks on the TV and the AUDIO OUT jacks on the Set-Top Box.

3

Connect a set of video cables between the "COMPONENT IN 1 (Y, PB, PR)" (or "COMPONENT IN 2 (Y, PB, PR)") jacks on the TV and the VIDEO OUT (Y, PB, PR) jacks on the Set-Top Box.

The connections for a typical Set-Top Box are shown. For detailed information, refer to the Set-Top Box instruction manual.

TV Rear Panel

Audio Cable

Video Cable

From Cable or Antenna

DTV Set-top Box

16
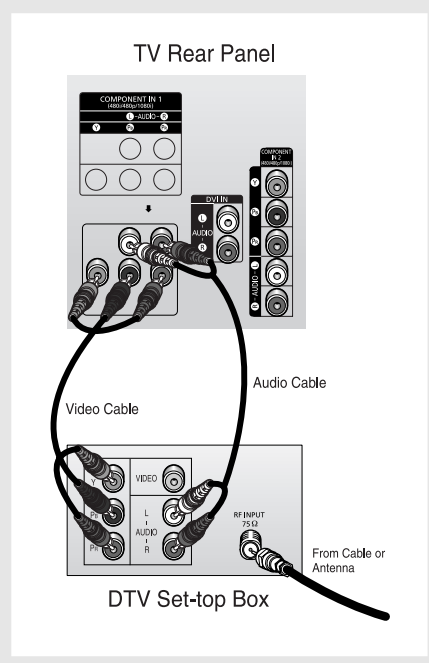
I NSTALLATION

Connecting to DVI (Digital Visual Interface)

By inputting a high-bandwidth digital content protection high-definition picture source to the DIGITAL INPUT jack on the TV, high-definition pictures can be displayed on the screen in their digital forms. (This DIGITAL INPUT jack is for use in the future when high-bandwidth digital content protection DTV decoders, DVD players and D-VHS are put on the market.)

1
Connect a set of audio cables between the "DVI IN (AUDIO-L, R)" jacks on the TV and the AUDIO OUT jacks on the Set-Top Box.

2
Connect a video cable between the "HDMI/DVI IN" jack on the TV and the VIDEO OUT jack on the Set-Top Box.

TV Rear Panel

HDMI/DVI IN

DVI IN
AUDIO
L
R

Audio Cable

OUTPUT
DVI   AUDIO   VIDEO
L
R
Y
P_B
P_R
RF INPUT
75 Ω

From Cable or Antenna

DTV Set-top Box
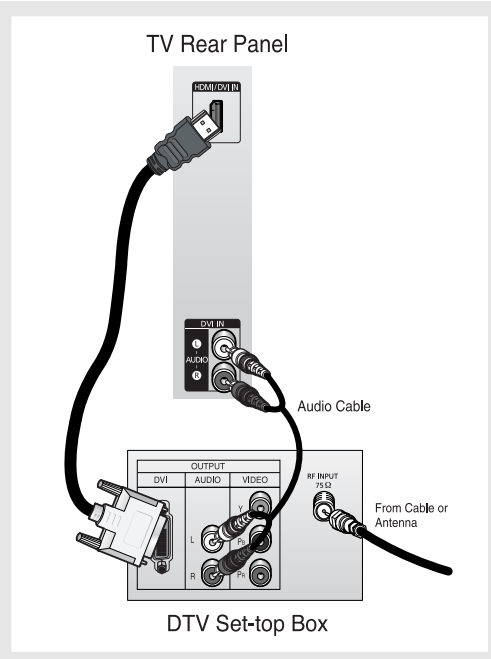
• The DIGITAL INPUT jack can only be used with 1080i and 480p picture signals. Set the DTV decoder DIGITAL OUTPUT jack output setting to 1080i or 480p. The DIGITAL INPUT jack is not compatible with the picture signal of a PC.

Connecting to HDMI (High Definition Multimedia Interface)

Connect a HDMI cable between the "HDMI/DVI IN" jacks on the TV and the HDMI OUT jacks on the Set-Top Box.

Please check that the HDMI source is powered on. If not, you can not select "HDMI" in the "Source List" on-screen menu.

TV Rear Panel

HDMI/DVI IN

DTV Set-top Box

OUTPUT
HDMI   AUDIO   VIDEO
L
R
Y
P_B
P_R
RF INPUT
75 Ω

From Cable or Antenna

17
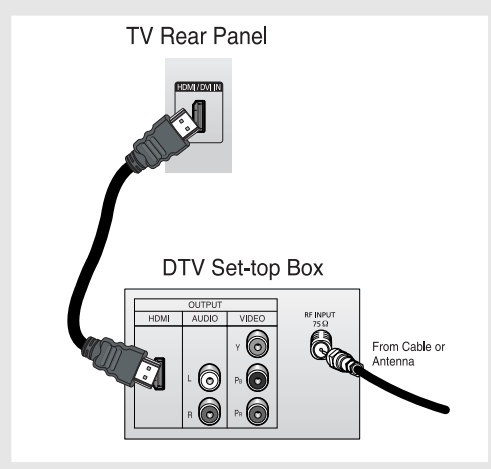
Connecting a Camcorder

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

1

Locate the A/V output jacks on the camcorder. They are usually found on the side or rear of the camcorder.

2

Connect a set of audio cables between the "AV 3 (L, R)" jacks on the TV and the AUDIO OUT jacks on the camcorder. If you have mono camcorder, connect L(mono) to camcorder audio out using only one audio cable.

3

Connect a video cable between the "AV 3 (VIDEO)" (or "S-VIDEO2 INPUT") jack on the TV and the VIDEO OUT jacks on the camcorder.

The audio-video cables shown here are usually included with a Camcorder. (If not, check your local electronics store.) If your camcorder is stereo, you need to connect a set of two cables.

TV Side Panel

Audio Cable
OR
S-Video Cable
Video Cable
Camcoder
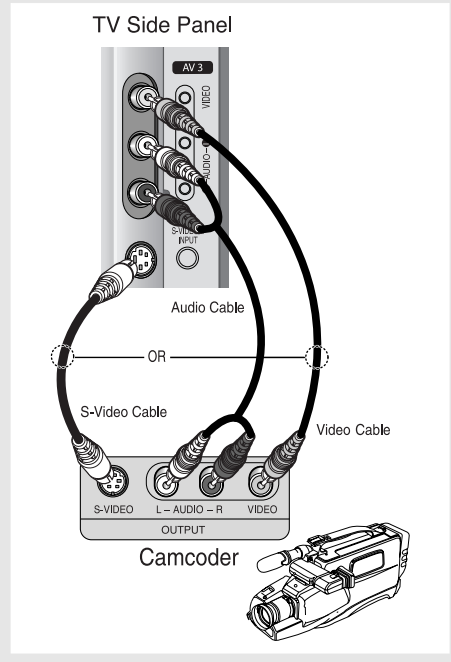
Connecting to the Digital Audio Input

The rear panel jacks on your TV make it easy to connect a device with digital audio output. After making a connection, set the audio input by reference to page 51.

Connect a audio (or optical) cable between the "COAXIAL IN" (or "OPTICAL IN") jack on the TV and the AUDIO OUT jack on a device with digital audio output.

TV Rear Panel
DVD Player/ DTV Set-top Box
Optical Cable
Audio Cable

18
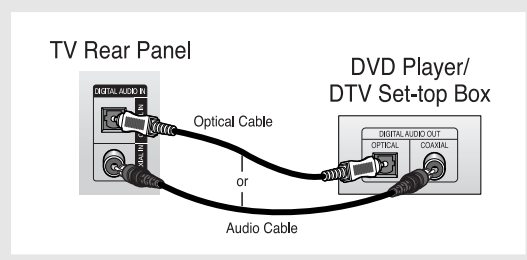
Connecting Additional Speakers

The rear panel jacks on your TV make it easy to take advantage of the surround sound system.

1
Connect speaker audio cables to "SURROUND
SPEAKER OUT" terminals on the TV.
To improve the sound quality, connect the Red wire to
the Red terminal and Black wire to the Black terminal.

2
The factory default of "SURROUND SPEAKER OUT
SELECTION" is set to "INT" (Internal). For sound
output to external speakers, set to "EXT" (External),
then sound to the internal speaker is off.

TV Rear Panel
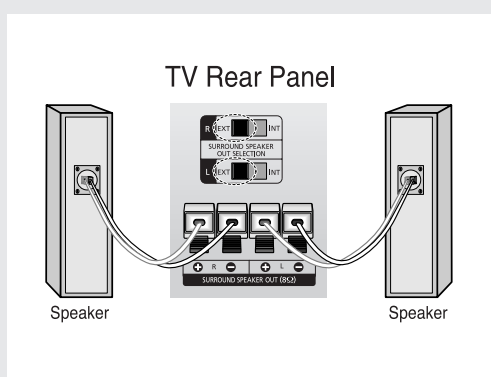
Speaker   Speaker

• The speakers MUST have to a power handling capability of 10 watts minimum (impedance 8 Ω).

Installing Batteries in the Remote Control

1
Slide the back cover all the
way out to open the battery
compartment of the remote
control.
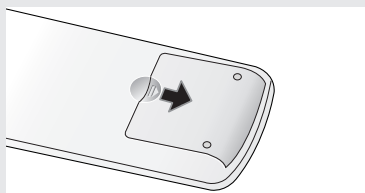
2
Install two AAA size batteries.
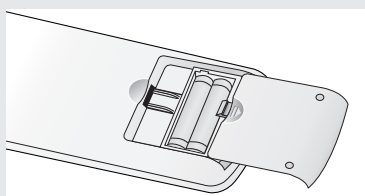
◄ Make sure to match the "+"
and "−" ends of the batteries with
the diagram inside the
compartment.

3
Replace the cover.
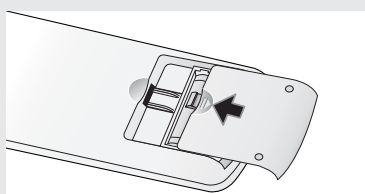
◄ Remove the batteries and store
them in a cool, dry place if you
won't be using the remote control
for a long time. (Assuming typical
TV usage, the batteries last for
about one year.)

• The remote control can be used up to about 23 feet from the TV.

19

Chapter Three

TV OPERATION

Turning the TV On and Off

Press the **POWER** button on the remote control.
You can also use the **POWER** button on the front panel.

Plug & Play Feature

When the TV is initially powered On, basic customer settings proceed automatically and subsequently as below.

1
Press the **POWER** button on the remote control.
The "Start Plug & Play" is displayed.
Press the **ENTER** button to start.

> **Plug & Play**
> Start Plug & Play
> OK
> ↵ Enter   ▥ Exit

◀ Plug & Play feature doesn't work when the V-Chip is activated or when in the A/V mode.

2
The "Language" menu is displayed.
Press the ▲ or ▼ button to select the appropriate language, then press the **ENTER** button.

> **Plug & Play**
> Language
> English
> Français
> Español
> ⬍ Move   ↵ Enter   ▥ Skip

3
The "Check antenna input" is displayed.
Make sure that the antenna is connected to the TV, then press the **ENTER** button.

> **Plug & Play**
> Check antenna input.
> OK
> ↵ Enter   ▥ Skip
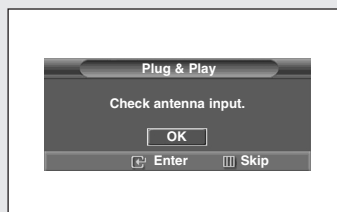
4
The "Air/CATV" menu is displayed.
Press the ▲ or ▼ button to select the video signal source, then press the **ENTER** button.

> **Plug & Play**
> Air/CATV
> Air
> STD
> HRC
> IRC
> ⬍ Move   ↵ Enter   ▥ Skip

20
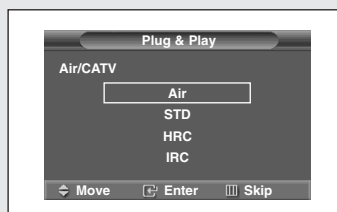
TV OPERATION

5

The "Auto Program" menu is displayed.
Press the **ENTER** button to start the auto program.
The TV begins memorizing all of the available stations.

Plug & Play
Auto Program
                              Air   6
              Stop
         Enter   Skip

Plug & Play
Auto Program
75 Channels were memorized.
              OK
         Enter   Skip

◄ For details, see page 27.

6

When it has finished, the "Clock Set" menu is displayed.
Set the clock.

Plug & Play
Clock Set
     Hour   Min   am/pm
     --   --   am
  Move   Adjust
  Enter   Skip
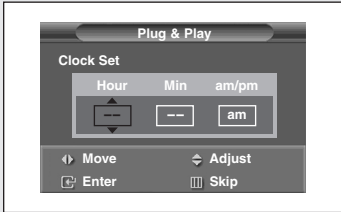
◄ For details, see page 52.

7

When you have finished, press the **ENTER** button.
The message "Enjoy your watching" is displayed.

Plug & Play
Enjoy your watching.
              Exit

8

If you want to reset this feature:
Press the **MENU** button.
Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.
Press the ▲ or ▼ button to select "Plug & Play", then press the **ENTER** button.
The "Plug & Play" is displayed.

TV   Setup
  Input   Time   ►
           Plug & Play   ►
  Picture Language   : English ►
           Self Focus   ►
  Sound   Blue Screen   : On   ►
           Caption   ►
  Channel ▼ More
  Setup
    Move   Enter   Return

21

TV OPERATION

Viewing the Menus and On-Screen Displays

Viewing the Menus

1

Press the **MENU** button.
The main menu is displayed.
There are five menu groups:
"Input", "Picture", "Sound",
"Channel" and "Setup".

T V	Input	
Input	Source List : TV	▶
Picture	Edit Name	▶
Sound		
Channel		
Setup		
◆ Move	⊞ Enter	▥ Exit

2

Press the ▲ or ▼ button to move
to an item you want in the menu.
Press the ◀ or ▶ button to
display, change or use the
selected items.
Press the **ENTER** button to enter
items in the menu.

T V	Input	
Input	Source List : TV	▶
Picture	Edit Name	▶
Sound		
Channel		
Setup		
◆ Move	⊞ Enter	▥ Return

◀ You can also use the **MENU**,
CH∧/∨, **VOL+/−** and
⊞(**ENTER**) buttons on the
control panel of the TV to make
selections.

3

Press the **EXIT** button to exit.

Viewing the Display

Press the **INFO** button on the
remote control.
The TV displays the current
channel, the status of certain
picture and sound settings and
the current time.

Air 11	
Mono	
CC	
Picture : Dynamic	
Sound : Standard	
MTS : Stereo	
Dolby Pro Logic II : On	
Clock : - - : - - am	

22
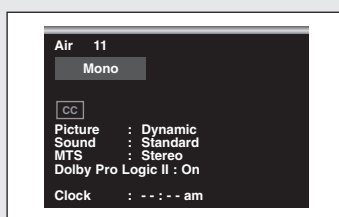
Selecting a Menu Language

1

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

T V	Setup
Input	Time ▶
Picture	Plug & Play ▶
	Language : English ▶
Sound	Self Focus ▶
	Blue Screen : On ▶
Channel	Caption ▶
	▼ More
Setup	
◆ Move	Enter Return

2

Press the ▲ or ▼ button to
select "Language", then press
the **ENTER** button.

Press the ▲ or ▼ button to
select the appropriate language,
then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Setup
Input	Time ▶
Picture	Plug & Play ▶
	Language English ▶
Sound	Self Focus Français ▶
	Blue Screen : Español ▶
Channel	Caption ▶
	▼ More
Setup	
◆ Move	Enter Return

Selecting the Antenna Input

You can connect two different signal sources by choosing the antenna input ("Ant.1" or
"Ant.2").

1

Press the **MENU** button.
Press the ▲ or ▼ button to
select "Channel", then press the
ENTER button.

T V	Channel
Input	Antenna : Ant.1 ▶
Picture	Air/CATV : Air ▶
	Auto Program ▶
Sound	Favorite Channels ▶
	Fine Tune ▶
Channel	Add/Delete ▶
	▼ More
Setup	
◆ Move	Enter Return

2

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

Press the ▲ or ▼ button to
select "Ant.1"or "Ant.2", then
press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Channel
Input	Antenna : Ant.1 ▶
Picture	Air/CATV : Ant.2 ▶
	Auto Program ▶
Sound	Favorite Channels ▶
	Fine Tune ▶
Channel	Add/Delete ▶
	▼ More
Setup	
◆ Move	Enter Return

Adjusting the Screen Automatically (Self Focus)

The "Self Focus" feature automatically finds the optimum picture quality when blurring, overlapping colors or incorrect focus occurs. These conditions may be caused by moving your TV.

1

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

```
T V                     Setup
  Input    Time                      ►
           Plug & Play               ►
  Picture  Language      : English   ►
           Self Focus               ►
  Sound    Blue Screen   : On        ►
           Caption                   ►
  Channel     ▼ More
  Setup
     ♦ Move       Enter    III Return
```

2

Press the ▲ or ▼ button to select "Self Focus", then press the **ENTER** button.
The "Self Focus" is selected.

Press the **ENTER** button again. The self focus process begins with the message "Self Focus" and horizontal bar is displayed. When it is finished, all of things will disappear and the optimum picture quality can be enjoyed.

Press the **EXIT** button to exit.

```
T V                   Self Focus
  Input    Self Focus               ►
           Auto           : On       ►
  Picture  Message Display : On       ►
  Sound
  Channel
  Setup
     ♦ Move       Enter    III Return
```

```
         Self Focus
```
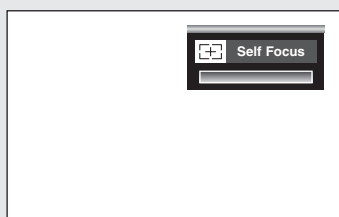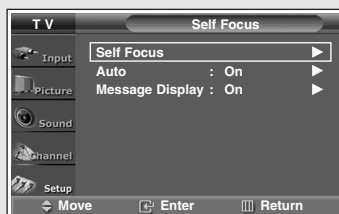
◄ During the process, minor distortions of the picture may occur. At this time, the colors may diffuse and a searching pattern will appear on the edges of the screen. This is a normal part of the adjustment.

Alternate method:
Simply press the **SELF FOCUS** button on the remote control to enjoy the optimum picture quality.

```
         Self Focus
```

- Changing channels and any other signal changes will pause the self focus until a stable signal has returned. It resumes after the signal has been stabilised. This feature will not work without a signal

- Ambient light that is too bright may affect the self focus. If this occurs, darken the environment and try again.

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TV OPERATION

Deactivating the Automatic Execution of the Self Focus

The "Self Focus" feature starts on default. It will automatically begin 10 minutes after switching on the power and the appearance of the screen image. To set the optimum picture quality, the "Self Focus" will automatically begin again after another 30 minutes, as the screen image is then fully stabilised.

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

T V	Setup	
Input	Time	▶
	Plug & Play	▶
Picture	Language : English	▶
	Self Focus	▶
Sound	Blue Screen : On	▶
	Caption	▶
Channel	▼ More	
Setup		
⬍ Move	Enter	▥ Return

2
Press the ▲ or ▼ button to select "Self Focus", then press the **ENTER** button.

Press the ▲ or ▼ button to select "Auto", then press the **ENTER** button.
To turn off the automatic execution of the self focus feature, select "Off" by pressing the ▲ or ▼ button, then press the **ENTER** button.

T V	Self Focus	
Input	Self Focus	▶
	Auto : Off	▶
Picture	Message Display : On	▶
Sound		
Channel		
Setup		
⬍ Move	Enter	▥ Return

Removing the "Self Focus" Message from the Display

3
Press the ▲ or ▼ button to select "Message Display", then press the **ENTER** button.
To remove the message "Self Focus" and horizontal bar on the screen during the self focus process, select "Off" by pressing the ▲ or ▼ button, then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Self Focus	
Input	Self Focus	▶
	Auto : On	▶
Picture	Message Display : Off	▶
Sound	On	
Channel		
Setup		
⬍ Move	Enter	▥ Return

25

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.

Selecting the Video Signal Source

Before your TV 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.
Press the ▲ or ▼ button to select "Channel", then press the **ENTER** button.

T V	Channel
Input	**Antenna : Ant.1** ▶
Picture	**Air/CATV : Air** ▶
Sound	**Auto Program** ▶
	Favorite Channels ▶
Channel	**Fine Tune** ▶
Setup	**Add/Delete** ▶
	▼ **More**
⬍ Move	↵ Enter ▥ Return

2

Press the ▲ or ▼ button to select "Air/CATV", then press the **ENTER** button.

Press the ▲ or ▼ button to select "Air", "STD", "HRC" or "IRC", then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Channel
Input	**Antenna : Ant.1** ▶
Picture	**Air/CATV : Air** ▶
Sound	**Auto Program STD** ▶
	Favorite Channels HRC ▶
Channel	**Fine Tune IRC** ▶
Setup	**Add/Delete** ▶
	▼ **More**
⬍ Move	↵ Enter ▥ Return

◀ If you are connected to an antenna, press the ▲ or ▼ button to select "Air".

◀ If you connected cable, press the ▲ or ▼ button to select the type of cable system: "STD", "HRC" or "IRC".

- "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 Automatically".

- Subscription cable services require service-specific requirement for viewing.

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TV OPERATION

Storing Channels in Memory Automatically

First, select the correct signal source ("Air", "STD", "HRC" or "IRC") as described on the previous page.

1

Press the **MENU** button.
Press the ▲ or ▼ button to select "Channel", then press the **ENTER** button.

T V	Channel
Input	Antenna : Ant.1 ►
Picture	Air/CATV : Air ►
	Auto Program ►
Sound	Favorite Channels ►
	Fine Tune ►
Channel	Add/Delete ►
	▼ More
Setup	
◆ Move	◉ Enter ▥ Return

2

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

Press the **ENTER** button to start the auto program.
The TV begins memorizing all of the available stations.
Press the **ENTER** button at any time to interrupt the memorization process.

Press the **EXIT** button to exit.

Auto Program

Start
◉ Enter ▥ Return

Auto Program

Air 6
Stop
◉ Enter ▥ Return

27
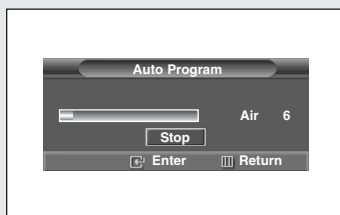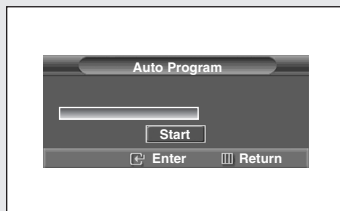
Changing Channels

Using the Channel Buttons

Press the **CH**∧ or **CH**∨ button to change channel.

When you press the **CH**∧ or **CH**∨ button, the TV changes channels in sequence. You will
see all the channels that the TV has memorized. (The TV must have memorized at least three
channels.) You will not see channels that were either erased or not memorized.

Using the Number Buttons

Use the number buttons to quickly tune to any channel.

Press the number buttons to go directly to a channel.
For example, to select channel "27", press the "2", then "7". The TV will
change channels when you press the second number.

When you use the number buttons, you can directly select channels that were either erased or
not memorized.
To select a channel over 100, press the **+100** button. (For channel "122", press the **+100**
button, then "2", then "2".)
To change to single-digit channels (0–9) faster, press the "0" before the single digit. (For
channel "4", press the "0", then "4".)

Using the Previous Channel

Press the **PRE-CH** button.
The TV changes to the last channel
you were watching.

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TV OPERATION

Adding and Erasing Channels

To add channels that were not memorized (or to delete unwanted channels from memory):

1

Press the **MENU** button.
Press the ▲ or ▼ button to select "Channel", then press the **ENTER** button.

T V	Channel
Input	Antenna : Ant.1 ▶
Picture	Air/CATV : Air ▶
Sound	Auto Program ▶
	Favorite Channels ▶
Channel	Fine Tune ▶
	Add/Delete ▶
Setup	▼ More
◆ Move	⊕ Enter ▥ Return

2

Press the ▲ or ▼ button to select "Add/Delete", then press the **ENTER** button.

Repeatedly pressing the **ENTER** button will alternate between add channel and delete channel. Press the **CH∧** or **CH∨** button to switch to the appropriate channel, then repeat above.

Press the **EXIT** button to exit.

```
            Add/Delete
  Air    6  Not in Memory
            [ Add ]
  ⬦ Change
  ⊕ Enter          ▥ Return
```

```
            Add/Delete
  Air    6  In Memory
            [ Delete ]
  ⬦ Change
  ⊕ Enter          ▥ Return
```

Alternate method:
Simply press the **ADD/DEL** button on the remote control to add channels that were not memorized or to delete unwanted channels from memory.

```
            Add/Delete
  Air    6  Not in Memory
            [ Add ]
  ⬦ Change
  ⊕ Enter       ◦▯ Exit
```

29
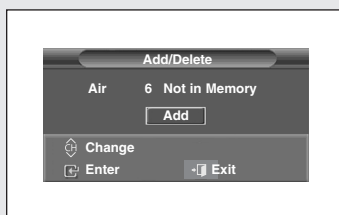
Selecting Your Favorite Channels

You can store your favorite channels for each available input source (such as TV and CATV),
This allows you to quickly and easily find frequently watched channels by pressing the
FAV.CH button on the remote control.

To Store Your Favorite Channels:

1

Press the **MENU** button.
Press the ▲ or ▼ button to
select "Channel", then press the
ENTER button.

T V	Channel	
Input	**Antenna : Ant.1**	▶
Picture	**Air/CATV : Air**	▶
	Auto Program	▶
Sound	**Favorite Channels**	▶
	Fine Tune	▶
Channel	**Add/Delete**	▶
	▼ More	
Setup		
⬍ Move	⏎ Enter	▥ Return

2

Press the ▲ or ▼ button to
select "Favorite Channels", then
press the **ENTER** button.

Press the ▲ or ▼ button to
select a channel, then press the
ENTER button.
Press the **ENTER** button again to
deselect the selected channel.

Press the **EXIT** button to exit.

T V	Favorite Channels	
Input	▲	
	Air 4	
Picture	Air 6	
	Air 7	
Sound	Air 8 ✔	
	Air 9	
Channel	Air 11	
	Air 13	
Setup	Air 14	
	▼	
⬍ Move	⏎ Enter	▥ Return

◀ Only memorized channels can
be set as Favorite channels.

To View Your Favorite Channels:

Press the **FAV.CH** button repeatedly
to jump from one favorite channel to
another.

30
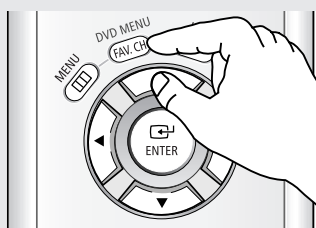
TV OPERATION

Labeling the Channels

Use this feature to assign an easy-to-remember label to any channel (i.e., "CBS", "ESPN", "PBS2", CNN1", etc.) A label consists of five fields, where each field is a letter, a number or a blank. When the **INFO** button is pressed, the channel label will appear next to the channel number.

1

Press the **CH**∧ or **CH**∨ button to tune to the channel that will be labeled.

2

Press the **MENU** button.
Press the ▲ or ▼ button to select "Channel", then press the **ENTER** button.

TV	Channel	
Input	Antenna : Ant.1	▶
Picture	Air/CATV : Air	▶
	Auto Program	▶
Sound	Favorite Channels	▶
	Fine Tune	▶
Channel	Add/Delete	▶
	▼ More	
Setup		
◆ Move	⊕ Enter	▥ Return

3

Press the ▲ or ▼ button to select "Name", then press the **ENTER** button.

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

Press the ▲ or ▼ button to select a letter, a number or a blank. (Results in this sequence: A...Z, –, 0...9, blank, ✳). Press the ▶ button to switch to the next field, which will be selected.
Select a second letter or digit pressing ▲ or ▼ button, as above. Repeat the process to select the last two digits.
When you have finished, press the **ENTER** button.

Press the **EXIT** button to exit.

TV	Channel	
Input	▲ More	
Picture	Name	▶
	Scan	▶
Sound		
Channel		
Setup		
◆ Move	⊕ Enter	▥ Return

TV	Name	
Input	Channel	Name
Picture		▲
	Air 4	----
Sound	Air 6	----
	Air 7	----
Channel	Air 8	A
	Air 9	----
Setup		▼
▶ Move	◆ Adjust	▥ Return
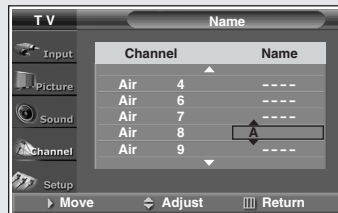
◀ If you add or delete the TV channel, the labeled channels list will also be added or deleted.

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Scanning the Channels

The TV automatically scan all of the channels it has memorized.

1

Press the **MENU** button.
Press the ▲ or ▼ button to
select "Channel", then press the
ENTER button.

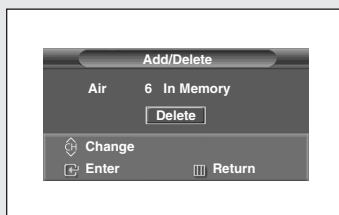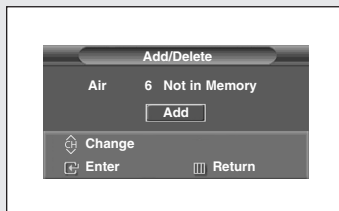| T V	Channel
Input	Antenna : Ant.1 ▶
Picture	Air/CATV : Air ▶
	Auto Program ▶
Sound	Favorite Channels ▶
	Fine Tune ▶
Channel	Add/Delete ▶
	▼ More
Setup	
◆ Move	⊡ Enter ▥ Return

2

Press the ▲ or ▼ button to
select "Scan", then press the
ENTER button.
The TV scans all of the channels
memorized.

Press the **EXIT** button to exit.

T V	Channel
Input	▲ More
Picture	Name ▶
	Scan ▶
Sound	
Channel	
Setup	
◆ Move	⊡ Enter ▥ Return

Scan
Air   6
🖿 Air   11
▥ : Return
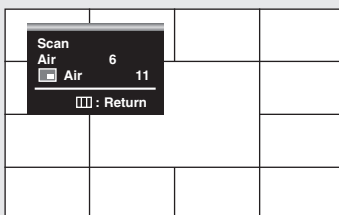
◀ When the "ANT 2 IN" mode is
selected, the channel scan
function works on the main
picture only.

32

Fine Tuning Channels

The Fine Tuning function lets you manually adjust the TV's tuner if you have difficulty tuning channels.

1

Press the **MENU** button.
Press the ▲ or ▼ button to select "Channel", then press the **ENTER** button.

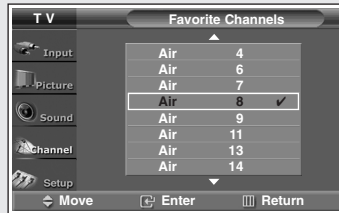| T V	Channel
Input	
Picture	Antenna : Ant.1 ►
	Air/CATV : Air ►
Sound	Auto Program ►
	Favorite Channels ►
Channel	Fine Tune ►
	Add/Delete ►
Setup	▼ More

‡ Move   Enter   Return

2

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

Press the ◄ or ► button to adjust the fine tuning.
To store the fine tuning setting in the TV's memory, press the **ENTER** button. The symbol "✷" is displayed.
To reset the fine tuning to "0", select "Reset" by pressing the ▲ or ▼ button, then press the **ENTER** button.

Press the **EXIT** button to exit.

Fine Tune
Air   6
0
Reset

‡ Move   ◄► Adjust
Save   Return

33
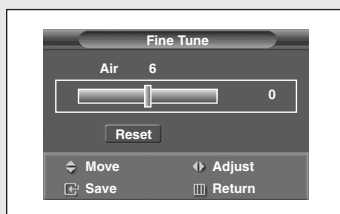
Using Automatic Picture Settings

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

1

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

T V	Picture	
Input	**Mode** : **Dynamic**	▶
Picture	**Custom**	▶
Sound	**Color Tone** : **Normal**	▶
	Size : **16:9**	▶
Channel	**Digital NR** : **On**	▶
Setup	**PIP**	▶
⬍ Move	⬐ Enter	▯▯ Return

2

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

Press the ▲ or ▼ button to select a particular item, then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Picture	
Input	**Mode** : **Dynamic**	▶
Picture	**Custom** **Standard**	▶
Sound	**Color Tone** : **Movie**	▶
	Size : **Custom**	▶
Channel	**Digital NR** : **On**	▶
Setup	**PIP**	▶
⬍ Move	⬐ Enter	▯▯ Return
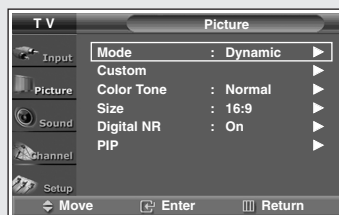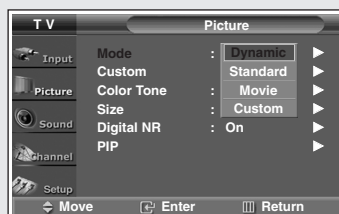
- Choose **Dynamic** for viewing the TV during the day or when there is a bright light in the room.

- Choose **Standard** for the standard factory settings.

- Choose **Movie** when viewing a movie.

- Choose **Custom** if you want to adjust the settings according to personal preference (see next page).

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TV OPERATION

Customizing the Picture

You can use the on-screen menus to change the "Contrast", "Brightness", "Sharpness", "Color" and "Tint" according to personal preference.

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

T V	Picture	
Input		
Picture	Mode	: Dynamic ▶
	Custom	▶
Sound	Color Tone	: Normal ▶
	Size	: 16:9 ▶
Channel	Digital NR	: On ▶
	PIP	▶
Setup		
◆ Move	↵ Enter	▥ Return

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

T V	Custom	
Input		
Picture	Contrast	100
	Brightness	45
Sound	Sharpness	75
	Color	55
Channel	Tint 50	50
Setup		
◆ Move	↵ Enter	▥ Return

3
Press the ▲ or ▼ button to select a particular item, then press the **ENTER** button.

Press the ◀ or ▶ button to increase or decrease the value of a particular item.

Press the **EXIT** button to exit.

Contrast   100
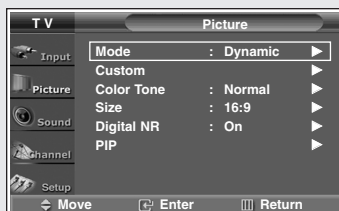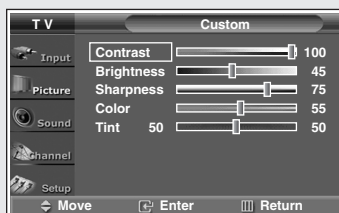
TV OPERATION

Selecting the Color Tone

1

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

T V	Picture	
Input		
	Mode : Dynamic ►	
	Custom ►	
Picture	Color Tone : Normal ►	
	Size : 16:9 ►	
Sound	Digital NR : On ►	
	PIP ►	
Channel		
Setup		
◆ Move	↵ Enter	▥ Return

2

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

Press the ◄ or ► button to
increase or decrease the value
of the color tone ("Warm 10~1",
"Normal" and "Cool 1~10").

Press the **EXIT** button to exit.

Color Tone	**Normal**

36

Changing the Picture Size

1

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

T V	Picture	
Input		
	Mode	: Dynamic ▶
Picture	Custom	▶
	Color Tone	: Normal ▶
Sound	Size	: 16:9 ▶
	Digital NR	: On ▶
Channel	PIP	▶
Setup		
◆ Move	↵ Enter	▥ Return

2

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

Press the ▲ or ▼ button to
select the screen format you
want.

Press the **EXIT** button to exit.

T V	Size
Input	
	16:9
Picture	Panorama
	Zoom 1
Sound	Zoom 2
	4:3
Channel	Cinema 1
	Cinema 2
Setup	
◆ Move	↵ Enter ▥ Return

◄ In the "Zoom 1" and "Zoom 2"
modes, lifting is available by
pressing the ▲ or ▼ button.

◄ Captions or subtitles might be
interrupted in the "Cinema1" and
"Cinema2" modes.

Alternate method:
Press the **P.SIZE** button on the remote control repeatedly to select one of the screen format you want.

Viewing with a 4:3 signal (When a 4:3 signal is received)
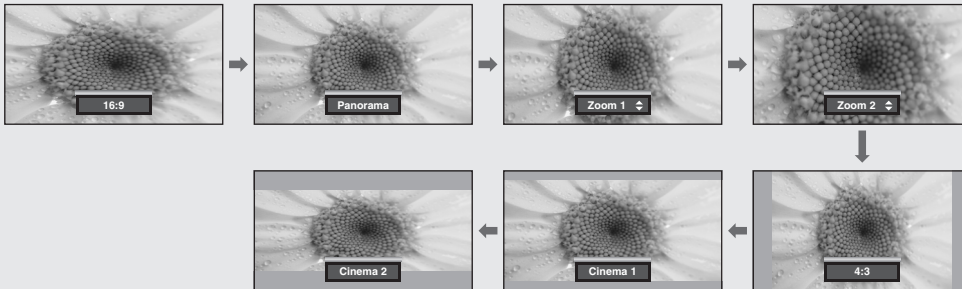
Viewing with a 16:9 signal (When a 16:9 signal is received)
The illustrations below show the change of picture while viewing a DVD title.

37
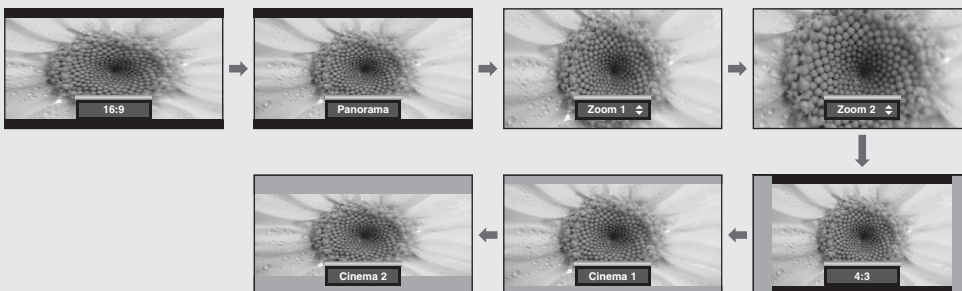
Digital Noise Reduction

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

1

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

T V	Picture	
Input	Mode : Dynamic	▶
	Custom	▶
Picture	Color Tone : Normal	▶
	Size : 16:9	▶
Sound	Digital NR : On	▶
	PIP	▶
Channel		
Setup		
⬍ Move	⤶ Enter	Ⅲ Return

2

Press the ▲ or ▼ button to select "Digital NR", then press the **ENTER** button.
Press the ▲ or ▼ button to select "On" or "Off", then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Picture	
Input	Mode : Dynamic	▶
	Custom	▶
Picture	Color Tone : Normal	▶
	Size : 16:9	▶
Sound	Digital NR : Off	▶
	PIP On	▶
Channel		
Setup		
⬍ Move	⤶ Enter	Ⅲ Return

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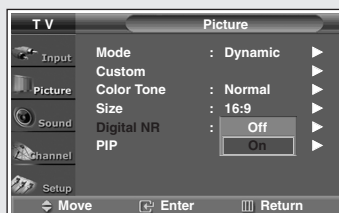
Viewing Picture-In-Picture

One of the most best features of your TV is the **P**icture-**I**n-**P**icture (**PIP**) feature. The advanced **PIP** system allows you to watch two different pictures at once, even if you don't have a VCR connected to your TV.

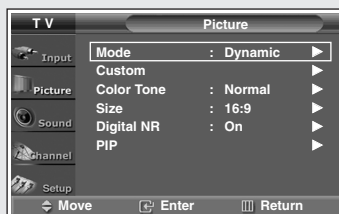## Activating the PIP

1

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

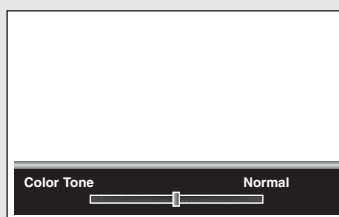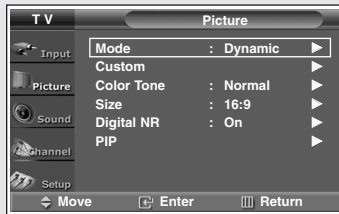| T V	Picture
Input	Mode : Dynamic ▶
Picture	Custom ▶
	Color Tone : Normal ▶
Sound	Size : 16:9 ▶
	Digital NR : On ▶
Channel	PIP ▶
Setup	
⬍ Move	⏎ Enter ▥ Return

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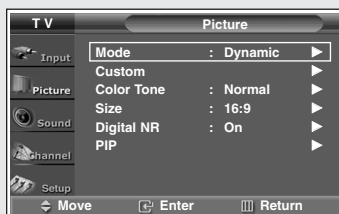
Press the ▲ or ▼ button to select "PIP", then press the **ENTER** button.

Press the **ENTER** button to select "PIP".
Press the ▲ or ▼ button to select "On", then press the **ENTER** button.
The sub picture appears in the corner of the screen.

T V	PIP
Input	PIP : **Off** ▶
	Source : **On** ▶
Picture	Swap ▶
Sound	Size : ▢ ▶
	Position : ▢ ▶
Channel	Air/CATV : Air ▶
	Channel : Air 6 ▶
Setup	
⬍ Move	⏎ Enter ▥ Return
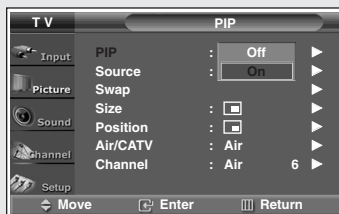
Alternate method:
Press the **PIP** button on the remote control repeatedly to activate or deactivate the PIP.

| Air 6 |
| ▣ Air 11 |
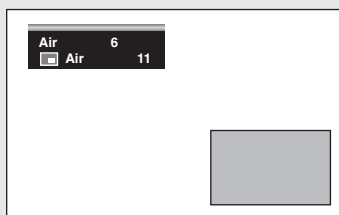
- This feature doesn't work when the "V-Chip" or "Caption" is active.

- If you turn the TV off while watching and turn it on again, then the mode will return to normal video.

- The picture size can't be changed when the "PIP" is active in the TV or AV mode.

TV OPERATION

Selecting an External Source

3

Press the ▲ or ▼ button to select "Source", then press the **ENTER** button.

If you have not connected any equipment to the TV's input jacks, the signal from these inputs will not appear.

Press the ▲ or ▼ button to select an external signal, then press the **ENTER** button.

TV		PIP	
Input	PIP	: On	►
	Source	: TV	►
Picture	Swap	AV 1	►
	Size	: AV 2	►
Sound	Position	: AV 3	►
	Air/CATV	: S-Video 1	►
Channel	Channel	: S-Video 2	►
Setup			
⬍ Move		↵ Enter	‖‖ Return
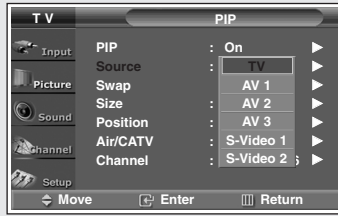
◄ For more information about external signals, see page 67). If you select "TV", the sub picture is the same as the main picture.

◄ The sub picture doesn't support "ANT 2 IN", "Component1", "Component2", "Component3" and "HDMI".

Swapping the Sub picture and Main picture

4

Press the ▲ or ▼ button to select "Swap", then press the **ENTER** button.

The sub picture appears in the main picture, and vice versa.

TV		PIP	
Input	PIP	: On	►
	Source	: TV	►
Picture	Swap		►
	Size	: ▣	►
Sound	Position	: ▣	►
	Air/CATV	: Air	►
Channel	Channel	: Air	6 ►
Setup			
⬍ Move		↵ Enter	‖‖ Return
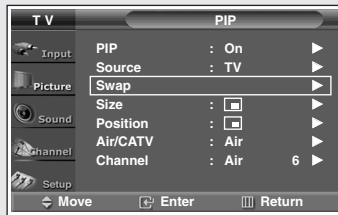
◄ The swapping doesn't support "ANT 2 IN", "Component1", "Component2", "Component3" and "HDMI".

◄ The swapping doesn't work in the "▱" (4PIP) and "▦" (13PIP) mode.

Changing the Size of the Sub picture

5

Press the ▲ or ▼ button to select "Size", then press the **ENTER** button.

Press the ▲ or ▼ button to select a size you want, then press the **ENTER** button.

TV		PIP	
Input	PIP	: On	►
	Source	: TV	►
Picture	Swap		►
	Size	: ▱	►
Sound	Position	: ▱	►
	Air/CATV	: ▱	►
Channel	Channel	: ▱	6 ►
Setup		▦	
⬍ Move		↵ Enter	‖‖ Return
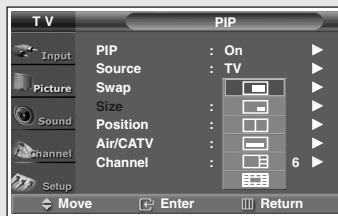
◄ "▭" (Double) function doesn't operate in the "HDMI" mode.

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TV OPERATION

Changing the Location of the Sub picture

6

Press the ▲ or ▼ button to select "Position", then press the **ENTER** button.

Press the ▲ or ▼ button to select a position you want, then press the **ENTER** button.

T V	PIP	
Input	PIP	: On ▶
Picture	Source	: TV ▶
Sound	Swap	▶
Channel	Size	: ☐ ▶
Setup	Position	: ☐ ▶
	Air/CATV	: ☐ ▶
	Channel	: ☐ 6 ▶
⬍ Move	⏎ Enter	▥ Return
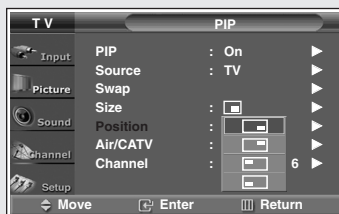
Selecting a Signal Source for the Sub picture

If the source of the sub picture is "TV" during **PIP** on, you can select a signal source of the sub picture separately from the main picture. (If the main picture is "ANT 2 IN" and the signal sources are different, making adjustments is necessary.)

7

Press the ▲ or ▼ button to select "Air/CATV", then press the **ENTER** button.

Press the ▲ or ▼ button to select "Air", "STD", "HRC" or "IRC", then press the **ENTER** button.

T V	PIP	
Input	PIP	: On ▶
Picture	Source	: TV ▶
Sound	Swap	▶
Channel	Size	: ☐ ▶
Setup	Position	: ☐ ▶
	Air/CATV	: Air ▶
	Channel	: STD / HRC / IRC 6 ▶
⬍ Move	⏎ Enter	▥ Return

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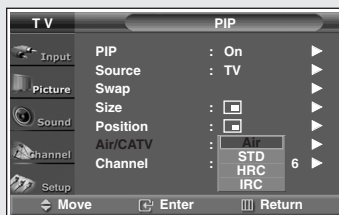
TV OPERATION

Changing the Channel of the Sub picture

After you set the signal source (antenna or cable) of sub picture, it is easy to change channels.

8

Press the ▲ or ▼ button to select "Channel", then press the **ENTER** button.

Press the ▲ or ▼ button to select a channel you want, then press the **ENTER** button.

Press the **EXIT** button to exit.

T V		PIP	
Input	PIP	: On	▶
	Source	: TV	▶
Picture	Swap		▶
Sound	Size	: ▣	▶
	Position	: ▣	▶
Channel	Air/CATV	:	▶
	Channel	: Air 6	▶
Setup			
⬍ Move	⏎ Enter	▥ Return	
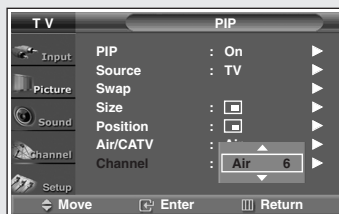
◀ The channels of sub picture are not available when antenna is set to "ANT 2 IN".
It links to "ANT 1 IN".

Alternate method:
Press the **CH⋀** or **CH⋁** button to change channels of sub picture during PIP on.
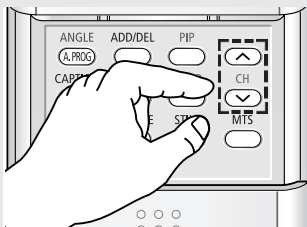
Freezing the Picture

Press the **STILL** button to freeze a moving picture.
(Normal sound will still be heard.)

Press again to cancel.
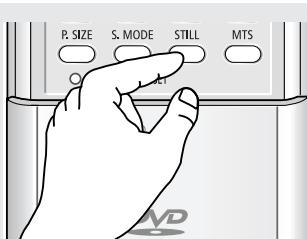
◀ The still function doesn't operate in "Component 1, 2" mode.

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TV OPERATION

Adjusting the Volume

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

Using the MUTE Button

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

1
Press the **MUTE** button on the
remote control.
The message "Mute" is
displayed and the sound cuts off.

2
To turn mute off press the **MUTE**
button again or, press either the
VOL– or **VOL+** button.

Mute

Using Automatic Sound Settings

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

1

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

T V		Sound	
Input	**Mode**	: Standard	▶
Picture	Custom		▶
	MTS	: Stereo	▶
Sound	Auto Volume	: Off	▶
	Dolby Digital		▶
Channel	Digital Audio Input		▶
Setup			
⬍ Move	⮐ Enter	▥ Return	

2

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

Press the ▲ or ▼ button to select a particular item, then press the **ENTER** button.

Press the **EXIT** button to exit.

T V		Sound	
Input	Mode	: Standard	▶
Picture	Custom	Music	▶
	MTS	Movie	▶
Sound	Auto Volume	: Speech	▶
	Dolby Digital	Custom	▶
Channel	Digital Audio Input		▶
Setup			
⬍ Move	⮐ Enter	▥ Return	
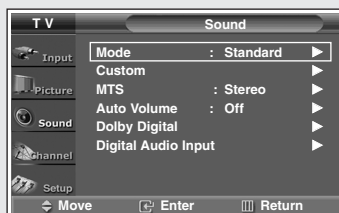
Alternate method:
Press the **S.MODE** button on the remote control repeatedly to select one of the standard sound settings.
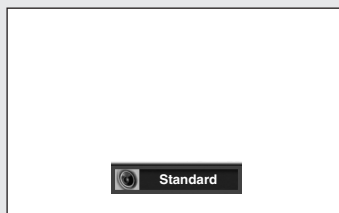
Standard

- 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 dialogue (i.e., news).

- Choose **Custom** to recall your personalized settings.

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Customizing the Sound

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

1

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

TV	Sound	
Input	Mode : Standard ▶	
Picture	Custom ▶	
	MTS : Stereo ▶	
Sound	Auto Volume : Off ▶	
Channel	Dolby Digital ▶	
	Digital Audio Input ▶	
Setup		
◆ Move	Enter	Return

2

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

Press the ▲ or ▼ button to
select a particular item to be
changed.
Press the ◄ or ► button to
increase or decrease the value
of a particular item.

Press the **EXIT** button to exit.
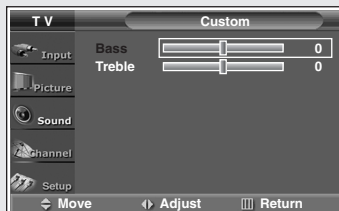
TV	Custom	
Input	Bass 0	
Picture	Treble 0	
Sound		
Channel		
Setup		
◆ Move	Adjust	Return

Choosing a Multi-Channel Sound (MTS) track

Depending on the particular program being broadcast, you can listen to "Mono", "Stereo" or "SAP (**S**econdary **A**udio **P**rogram)". "SAP" audio is usually a foreign-language translation. Sometimes "SAP" has unrelated information like news or weather.

1

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

T V		Sound	
Input	Mode	: Standard	▶
	Custom		▶
Picture	MTS	: Stereo	▶
	Auto Volume	: Off	▶
Sound	Dolby Digital		▶
	Digital Audio Input		▶
Channel			
Setup			
◆ Move	Enter	Return	

2
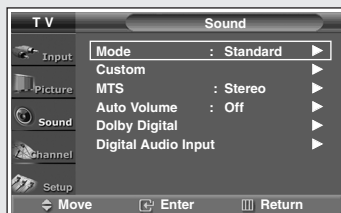
Press the ▲ or ▼ button to select "MTS", then press the **ENTER** button.
Press the ▲ or ▼ button to select a setting you want, then press the **ENTER** button.

Press the **EXIT** button to exit.

T V		Sound	
Input	Mode	: Standard	▶
	Custom		▶
Picture	MTS	: Mono	▶
	Auto Volume	: Stereo	▶
Sound	Dolby Digital	SAP	▶
	Digital Audio Input		▶
Channel			
Setup			
◆ Move	Enter	Return	
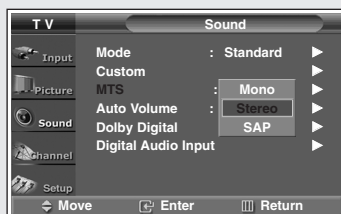
Alternate method:
Press the **MTS** button on the remote control repeatedly to select one of the settings.

MTS	:	Stereo
Signal	:	Mono
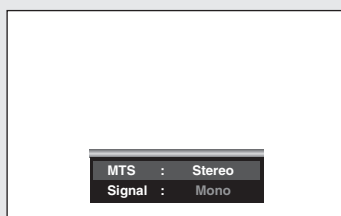
- Choose **Mono** for channels that are broadcasting in mono, or if you are having difficulty receiving a stereo signal.

- Choose **Stereo** for channels that are broadcasting in stereo.

- Choose **SAP** to listen to the Separate Audio Program, which is usually a foreign-language translation.

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TV OPERATION

Auto Volume

Each broadcasting station has its own signal conditions, and it is inconvenient to adjust the volume every time the channel is changed. "Auto Volume" automatically adjusts the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

1

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

T V	Sound	
Input	Mode	: Standard ▶
	Custom	▶
Picture	MTS	: Stereo ▶
	Auto Volume	: Off ▶
Sound	Dolby Digital	▶
Channel	Digital Audio Input	▶
Setup		
♦ Move	Enter	Return

2
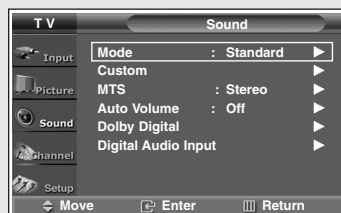
Press the ▲ or ▼ button to select "Auto Volume", then press the **ENTER** button.
Press the ▲ or ▼ button to select "On" or "Off", then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Sound	
Input	Mode	: Standard ▶
	Custom	▶
Picture	MTS	: Stereo ▶
	Auto Volume	: Off ▶
Sound	Dolby Digital	On ▶
Channel	Digital Audio Input	▶
Setup		
♦ Move	Enter	Return

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Setting the Dolby Digital

The "Dolby Digital" mode allows you enjoy Dolby Digital sound effect fully with the speakers are connected to your TV.
This allows various modes for the main, center, surround and woofer speakers to be selected.

Enjoying Dolby Surround Sound

Converts and outputs mono and stereo audio signals into a 5.1 channel surround sound audio signal.

1

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

T V	Sound	
Input	Mode : Standard	►
Picture	Custom	►
	MTS : Stereo	►
Sound	Auto Volume : Off	►
	Dolby Digital	►
Channel	Digital Audio Input	►
Setup		
◆ Move	Enter	Return

2
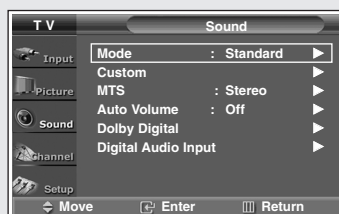
Press the ▲ or ▼ button to select "Dolby Digital", then press the **ENTER** button.
The "Dolby Pro Logic II" is selected.

Press the **ENTER** button again.
Press the ▲ or ▼ button to select "On", then press the **ENTER** button.

T V	Dolby Digital	
Input	Dolby Pro Logic II :	Off
Picture	Dynamic Range :	On
	Level Control	►
Sound	Time Delay	►
Channel		
Setup		
◆ Move	Enter	Return
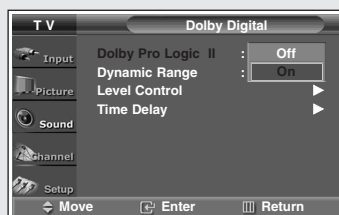
Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

DOLBY DIGITAL PRO LOGIC II

Manufactured under license from Digital Theater Systems, Inc. US Pat. No. 5,451,942, 5,956,674, 5,974,380, 5,978,762 and other world-wide patents issued and pending. "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc. Copyright 1996, 2000 Digital Theater Systems, Inc. All Rights Reserved.

DIGITAL dts SURROUND

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TV OPERATION

Setting the Dynamic Range

Reduces the difference between low and high pitched tones to suitable output levels, recommended for night time use.

3

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

T V	Dolby Digital
Input	Dolby Pro Logic II : On ►
Picture	Dynamic Range : Off
	On
Sound	Level Control
	Time Delay ►
Channel	
Setup	
◆ Move	⏎ Enter ▥ Return

◄ This function only works when Dolby Digital is activated.

Adjusting Speaker Levels

The Test Tone confirms the speaker connections and aligns the levels of the speaker outputs. The order of the Test Tone sounds is as follow: Front Left -> Center -> Front Right -> Rear Right -> Rear Left -> Sub Woofer

4

Press the ▲ or ▼ button to select "Level Control", then press the **ENTER** button.

Press the **ENTER** button to select "Test Tone".
Press the ▲ or ▼ button to select "On", then press the **ENTER** button.

T V	Level Control
Input	Test Tone : Off ►
	On 0 dB
Picture	Front Left 0 dB
	Center 0 dB
Sound	Front Right 0 dB
	Rear Right 0 dB
Channel	Rear Left 0 dB
Setup	Sub Woofer 0 dB
◆ Move	⏎ Enter ▥ Return

◄ The Test Tone for the sub woofer is very low frequency. This is normal, not a malfunction.

5

Press the ▲ or ▼ button to select the speaker to be adjusted, then press the **ENTER** button.

Press the ◄ or ► button to increase or decrease the volume of selected speaker, then press the **ENTER** button.

T V	Level Control
Input	Test Tone : On ►
	Front Left 0 dB
Picture	Center 0 dB
	Front Right 0 dB
Sound	Rear Right 0 dB
	Rear Left 0 dB
Channel	Sub Woofer 0 dB
Setup	
◆ Move	◄► Adjust ▥ Return

49

TV OPERATION

Adjusting the Time Delay for Surround Sound Speakers

To maximize the surround effect, adjust the Time Delays for the left / right surround sound speakers according to the particular nuances of your listening room.

6

Press the **MENU** button to return to the "Dolby Digital" menu.

Press the ▲ or ▼ button to select "Time Delay", then press the **ENTER** button.
Press the ▲ or ▼ button to select the speaker to be adjusted, then press the **ENTER** button.
Press the ◄ or ► button to adjust the delay time of surround channel, then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Dolby Digital
Input	Dolby Pro Logic II : On ►
Picture	Dynamic Range : Off ►
	Level Control ►
Sound	Time Delay ►
Channel	
Setup	
◆ Move	⏎ Enter ▥ Return

T V	Time Delay
Input	Rear Right ▭▭▭▭▭ 5 ms
Picture	Rear Left ▭▭▭▭▭ 5 ms
Sound	
Channel	
Setup	
◆ Move	◄► Adjust ▥ Return

50
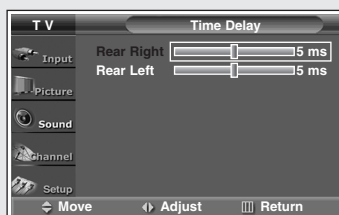
TV OPERATION

Selecting a Digital Audio Source

Before selecting an audio source, be sure that the OPTICAL or COAXIAL audio inputs on the rear of the TV are connected to the audio source.
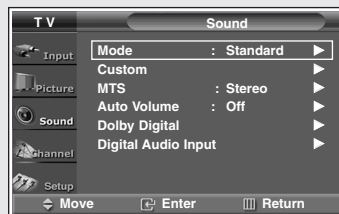The "Optical" and "Coaxial" options are for digital audio inputs, such as the Dolby Digital (5.1ch), Dolby Prologic (4ch), DTS or MPEG.
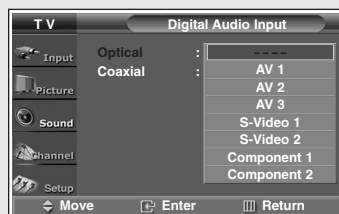
1

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

T V	Sound	
Input		
Picture	Mode : Standard ►	
	Custom ►	
	MTS : Stereo ►	
Sound	Auto Volume : Off ►	
	Dolby Digital ►	
Channel	Digital Audio Input ►	
Setup		
⬍ Move	🔄 Enter	▥ Return

2

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

Press the ▲ or ▼ button to select "Optical" or "Coaxial", then press the **ENTER** button.
Press the ▲ or ▼ button to select a audio source, then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Digital Audio Input	
Input	Optical :	– – – –
Picture	Coaxial :	AV 1
		AV 2
Sound		AV 3
		S-Video 1
Channel		S-Video 2
Setup		Component 1
⬍ Move	🔄 Enter	Component 2 ▥ Return

- OPTICAL: converts the electric signal into an optical light signal, and transmits it through glass fibers. A transmission system of digital audio in the form of a light wave, S/PDIF format using a glass conductor.

- COAXIAL: The digital audio signal is received through a coaxial copper cable.

TV OPERATION

Setting the Clock Manually

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.)
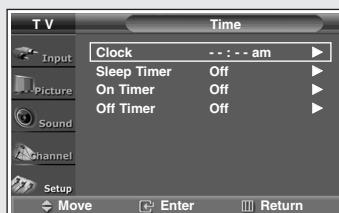
1

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

T V	Setup	
Input	Time	▶
	Plug & Play	▶
Picture	Language : English	▶
	Self Focus	▶
Sound	Blue Screen : On	▶
	Caption	▶
Channel	▼ More	
Setup		
⬥ Move	⏎ Enter	▥ Return

2

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

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

T V	Time	
Input	Clock - - : - - am	▶
	Sleep Timer Off	▶
Picture	On Timer Off	▶
	Off Timer Off	▶
Sound		
Channel		
Setup		
⬥ Move	⏎ Enter	▥ Return

3

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

T V	Clock	
Input	Clock Mode : Manual	▶
	Clock Set - Auto	▶
Picture		
Sound		▶
		▶
Channel		
Setup		
⬥ Move	⏎ Enter	▥ Return

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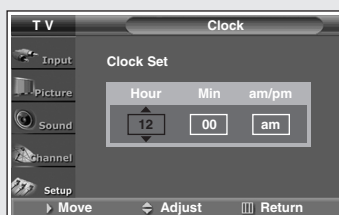
Press the ▲ or ▼ button to select "Clock Set", then press the **ENTER** button.

Press the ◀ or ▶ button to move to "Hour", "Min" or "am/pm". Set the clock you want by pressing the ▲ or ▼ button, then press the **ENTER** button.

Press the **EXIT** button to exit.

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

◀ The current time will appear every time you press the **INFO** button.

◀ You can set the hour and minute directly by pressing the number buttons on the remote control.

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TV OPERATION

Setting the Clock Automatically

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

1

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

T V	Setup	
Input	**Time**	▶
	Plug & Play	▶
Picture	Language	: English	▶
	Self Focus	▶
Sound	Blue Screen	: On	▶
	Caption	▶
Channel	▼ More	
Setup		
◆ Move	⏎ Enter	▥ Return

2

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

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

T V	Time	
Input	**Clock**	- - : - - am	▶
	Sleep Timer	Off	▶
Picture	On Timer	Off	▶
	Off Timer	Off	▶
Sound		
Channel		
Setup		
◆ Move	⏎ Enter	▥ Return

3

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

T V	Clock	
Input	Clock Mode	: **Manual**	▶
		Auto	▶
Picture	PBS Channel	: Air 6	
Sound	Time Zone	: ATL.	▶
	DST	: No	▶
Channel		
Setup		
◆ Move	⏎ Enter	▥ Return

◀ Certain broadcasts may not transmit the correct time. In this case, set the time manually.

4

Press the ▲ or ▼ button to select "PBS Channel", then press the **ENTER** button.
Press the ▲ or ▼ button to select your local PBS channel, then press the **ENTER** button.

T V	Clock	
Input	Clock Mode	: Auto	▶
			▶
Picture	PBS Channel	:	
	Time Zone	: Air 9	
Sound	DST	: No	▶
Channel		
Setup		
◆ Move	⏎ Enter	▥ Return

53

TV OPERATION

5

Press the ▲ or ▼ button to select "Time Zone", then press the **ENTER** button.
Press the ▲ or ▼ button to select the time zone for your local area, then press the **ENTER** button.

- ATL. : Atlantic
  EAST : Eastern
  CEN. : Central
  MTN. : Mountain
  PAC. : Pacific
  ALAS. : Alaska
  HAW. : Hawaii

T V	Clock	
Input	Clock Mode	: Auto ▶
		▶
Picture	PBS Channel	: ATL.
	Time Zone	: EAST ▶
Sound	DST	: CEN. ▶
		MTN.
Channel		PAC.
		ALAS.
Setup		HAW.
⇕ Move	⏎ Enter	▥ Return

◄ The set time can be changed according to the broadcasting station and signal when you set up auto time.
If there is a difference between the real time and set time, please set up manual time.

6

Press the ▲ or ▼ button to select "DST" (**D**aylight **S**aving **T**ime), then press the **ENTER** button.
Press the ▲ or ▼ button to select "Yes" or "No", then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Clock	
Input	Clock Mode	: Auto ▶
		▶
Picture	PBS Channel	: Air 6
	Time Zone	: ATL. ▶
Sound	DST	: No ▶
		Yes
Channel		
Setup		
⇕ Move	⏎ Enter	▥ Return

54

Setting the Sleep Timer

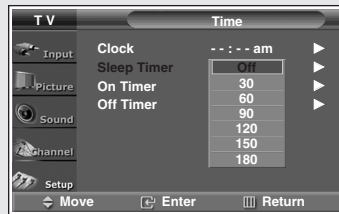The sleep timer automatically shuts off the TV after a preset time (from 30 to 180 minutes).

1

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

T V	Setup	
Input	Time	►
	Plug & Play	►
Picture	Language : English	►
	Self Focus	►
Sound	Blue Screen : On	►
	Caption	►
Channel	▼ More	
Setup		
⬍ Move	⊡ Enter	▥ Return

2

Press the **ENTER** button to select "Time".
Press the ▲ or ▼ button to select "Sleep Timer", then press the **ENTER** button.
Press the ▲ or ▼ button to select the preset time you want, then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Time	
Input	Clock - - : - - am	►
	Sleep Timer Off	►
Picture	On Timer 30	►
	Off Timer 60	►
Sound	90	
	120	
Channel	150	
	180	
Setup		
⬍ Move	⊡ Enter	▥ Return

55

Setting the On/Off Timer

1

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

T V	Setup	
Input	**Time**	▶
Picture	Plug & Play	▶
	Language : English	▶
Sound	Self Focus	▶
	Blue Screen : On	▶
Channel	Caption	▶
Setup	▼ More	
◆ Move	Enter	▥ Return

2

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

Press the ▲ or ▼ button to select "On Timer", then press the **ENTER** button.
Press the ▲ or ▼ button to adjust "Hour", then press the ▶ button to move to the next step. Set other items using the same method as above.

When finished, press the **MENU** button to return.

T V	Time	
Input	**Clock** - - : - - am	▶
Picture	Sleep Timer Off	▶
	On Timer Off	▶
Sound	Off Timer Off	▶
Channel		
Setup		
◆ Move	Enter	▥ Return

T V	On Timer	
Input	**On Timer**	
Picture	Hour Min am/pm	
	12 00 am	
Sound	Channel Volume Activation	
Channel	Air 6 10 No	
Setup		
▶ Move	◆ Adjust	▥ Return

◀ The current time will appear every time you press the **INFO** button.

◀ You can set the hour and minute directly by pressing the number buttons on the remote control.

3

Press the ▲ or ▼ button to select "Off Timer", then press the **ENTER** button.
Press the ▲ or ▼ button to adjust "Hour", then press the ▶ button to move to the next step. Set other items using the same method as above.

Press the **EXIT** button to exit.
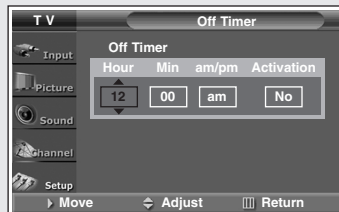
T V	Off Timer	
Input	**Off Timer**	
Picture	Hour Min am/pm Activation	
	12 00 am No	
Sound		
Channel		
Setup		
▶ Move	◆ Adjust	▥ Return

56

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

T V	Setup	
Input	Time	►
	Plug & Play	►
Picture	Language : English	►
	Self Focus	►
Sound	Blue Screen : On	►
	Caption	►
Channel	▼ More	
Setup		
	⬍ Move ⊡ Enter ⫿⫿⫿ Return	

2

Press the ▲ or ▼ button to select "Blue Screen", then press the **ENTER** button.
Press the ▲ or ▼ button to select "On" or "Off", then press the **ENTER** button.

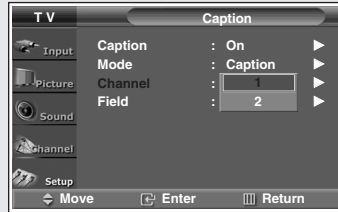Press the **EXIT** button to exit.

T V	Setup	
Input	Time	►
	Plug & Play	►
Picture	Language : English	►
	Self Focus	►
Sound	Blue Screen : Off	►
	Caption On	►
Channel	▼ More	
Setup		
	⬍ Move ⊡ Enter ⫿⫿⫿ Return	

57

Viewing Closed Caption Information

Your TV decodes and displays the closed captions information that is broadcast along with some television shows. These captions are usually subtitles for the hearing impaired or translations into other languages. All VCRs record the closed caption signal from television programs, so pre-recorded video tapes can also deliver closed-caption information. Check for the closed caption symbol (CC) on the tape's package or your TV program-schedule.

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

T V	Setup
Input	**Time** ▶
	Plug & Play ▶
Picture	Language : English ▶
	Self Focus ▶
Sound	Blue Screen : On ▶
	Caption ▶
Channel	▼ More
Setup	
◆ Move	⏎ Enter ▥ Return

◀ The Caption function doesn't operate when the PIP is active.

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

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

T V	Caption
Input	Caption : **Off** ▶
	Mode : On ▶
Picture	Channel : 1 ▶
	Field : 1 ▶
Sound	
Channel	
Setup	
◆ Move	⏎ Enter ▥ Return
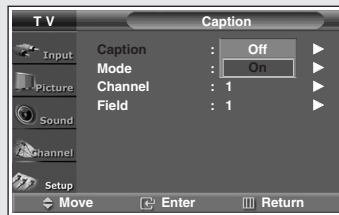
Alternate method:
Press the **CAPTION** button on the remote control repeatedly to select "On" or "Off".
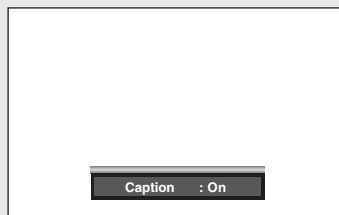
Caption   : On

3
Press the ▲ or ▼ button to select "Mode", then press the **ENTER** button.
Press the ▲ or ▼ button to select "Caption" or "Text", then press the **ENTER** button.

T V	Caption
Input	Caption : On ▶
	Mode : Caption ▶
Picture	Channel : Text ▶
	Field : 1 ▶
Sound	
Channel	
Setup	
◆ Move	⏎ Enter ▥ Return

◀ In "Caption" mode, caption appears at the bottom of the screen, and they usually cover only a small portion of the picture.

◀ In "Text" mode, information unrelated to the program, such as news or weather, is displayed. Text often covers a large portion of the screen.

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TV OPERATION

4

Press the ▲ or ▼ button to select "Channel", then press the **ENTER** button.
Press the ▲ or ▼ button to select "1" or "2", then press the **ENTER** button.

T V	Caption
Input	Caption : On ▶
Picture	Mode : Caption ▶
Sound	Channel : 1 ▶
Channel	Field : 2 ▶
Setup	
◆ Move	⏎ Enter ▥ Return

◀ Depending on the particular broadcast, it might be necessary to make changes 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.)

5

Press the ▲ or ▼ button to select "Field", then press the **ENTER** button.
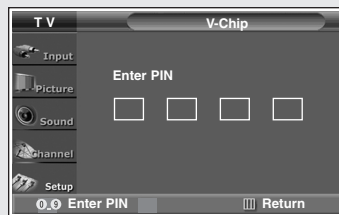Press the ▲ or ▼ button to select "1" or "2", then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Caption
Input	Caption : On ▶
Picture	Mode : Caption ▶
Sound	Channel : 1 ▶
Channel	Field : 1 ▶
Setup	2
◆ Move	⏎ Enter ▥ Return

• Misspellings and unusual characters sometimes occur during closed caption transmissions, especially those of live events. There may be a small delay before captions appear when you change channels. These are not malfunctions of the TV.

Setting the On/Off Melody

A melody sound can be set to come on when the TV is powered On or Off.

1

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

T V	Setup
Input	Time ▶
	Plug & Play ▶
Picture	Language : English ▶
	Self Focus ▶
Sound	Blue Screen : On ▶
Channel	Caption ▶
	▼ More
Setup	
◆ Move	⏎ Enter ▥ Return

2

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

Press the **EXIT** button to exit.

T V	Setup
Input	▲ More
	Melody : Off ▶
Picture	V-Chip : On ▶
Sound	
Channel	
Setup	
◆ Move	⏎ Enter ▥ Return

59
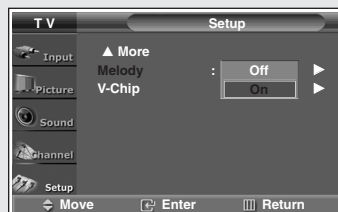
Using the V-Chip (USA)

Access to channels and programs is controlled by a password (i.e., a 4-digit secret code that is defined by the user). The on-screen menu will instruct you to assign a password (and you can change it later, if necessary).

How to Change Your Password

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

T V	Setup
Input	Time ▶
Picture	Plug & Play ▶
Sound	Language : English ▶
Channel	Self Focus ▶
	Blue Screen : On ▶
Setup	Caption ▶
	▼ More
◆ Move	⏎ Enter ▥ Return

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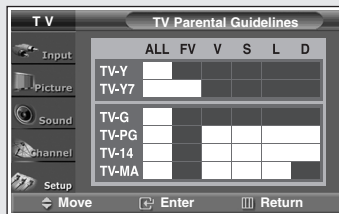Press the ▲ or ▼ button to select "V-Chip", then press the **ENTER** button.

Press the number buttons to enter your current 4-digit pin number.

T V	V-Chip
Input	
Picture	Enter PIN
Sound	☐ ☐ ☐ ☐
Channel	
Setup	
0.9 Enter PIN	▥ Return
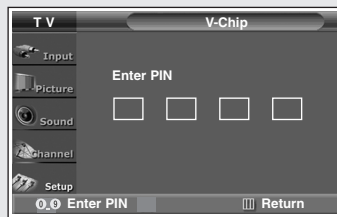
◀ The default pin number for a new TV set is "0 0 0 0".

◀ If you forget the pin number, press the remote control buttons in the following sequence, which resets the pin to 0-0-0-0: **POWER** (Off), **MUTE**, **8**, **2**, **4**, **POWER** (On).

3
The "V-Chip" menu is displayed.

Press the ▲ or ▼ button to select "Change PIN", then press the **ENTER** button.

T V	V-Chip
Input	V-Chip Lock : Off ▶
Picture	▶
Sound	▶
Channel	Change PIN ▶
Setup	
◆ Move	⏎ Enter ▥ Return
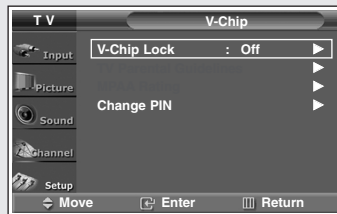
4
Press the number buttons to enter your new 4-digit pin number.
Re-enter your new pin number to confirm.

Press the **EXIT** button to exit.

T V	V-Chip
Input	
Picture	Enter New PIN
Sound	☐ ☐ ☐ ☐
Channel	
Setup	
0.9 Enter PIN	▥ Return

T V	V-Chip
Input	
Picture	Confirm New PIN
Sound	☐ ☐ ☐ ☐
Channel	
Setup	
0.9 Enter PIN	▥ Return

60
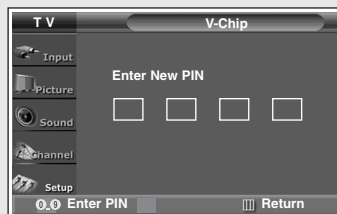
TV OPERATION

How to Enable/Disable the Rating Controls

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

T V	Setup	
Input	Time	►
	Plug & Play	►
Picture	Language : English	►
	Self Focus	►
Sound	Blue Screen : On	►
	Caption	►
Channel	▼ More	
Setup		
◆ Move	⏎ Enter	▥ Return

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

Press the number buttons to enter your current 4-digit pin number.

T V	V-Chip
Input	
	Enter PIN
Picture	
	☐ ☐ ☐ ☐
Sound	
Channel	
Setup	
0~9 Enter PIN	▥ Return

3
The "V-Chip" menu is displayed.

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

Press the **EXIT** button to exit.

T V	V-Chip	
Input	V-Chip Lock : Off	►
	TV Parental Guideline On	►
Picture	MPAA Rating	►
	Change PIN	►
Sound		
Channel		
Setup		
◆ Move	⏎ Enter	▥ Return

61
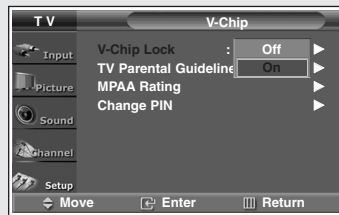
TV OPERATION

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

The parental restrictions can be set up using either of two methods: The "TV Parental Guidelines" or "MPAA Rating".

1

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

T V	Setup	
Input	Time	▶
Picture	Plug & Play	▶
	Language : English	▶
Sound	Self Focus	▶
	Blue Screen : On	▶
Channel	Caption	▶
Setup	▼ More	
◆ Move	⊡ Enter	⫙ Return

2

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

Press the number buttons to enter your current 4-digit pin number.

T V	V-Chip	
Input		
Picture	Enter PIN	
Sound	▢ ▢ ▢ ▢	
Channel		
Setup		
0..9 Enter PIN		⫙ Return

3
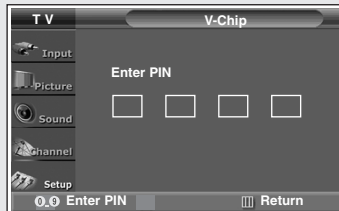
The "V-Chip" menu is displayed.

Press the ▲ or ▼ button to select "TV Parental Guidelines", then press the **ENTER** button.

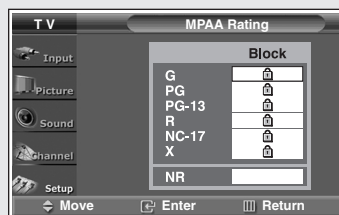| T V	TV Parental Guidelines					
		ALL	FV	V	S	L	D
Input	TV-Y					
Picture	TV-Y7					
Sound	TV-G					
	TV-PG					
Channel	TV-14					
	TV-MA					
Setup						
◆ Move	⊡ Enter			⫙ Return		

4

You can independently lock the TV ratings. The locked TV (FCC) ratings are indicated by the symbol "🔒".

Press the ▲/▼/◀/▶ buttons and the **ENTER** button to activate the appropriate restrictions for TV (FCC) rating system.

Press the **EXIT** button to exit.

T V	TV Parental Guidelines					
		ALL	FV	V	S	L	D
Input	TV-Y	🔒				
Picture	TV-Y7	🔒	🔒			
Sound	TV-G					
	TV-PG					
Channel	TV-14					
	TV-MA					
Setup						
◆ Move	⊡ Enter			⫙ Return		
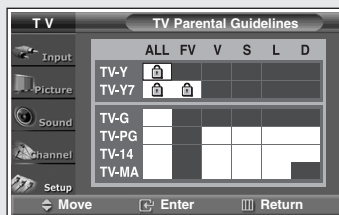
◀ **TV-Y** : Young children
TV-Y7 : Children 7 and over

TV-G : General audience
TV-PG : Parent Guidance
TV-14 : Viewers 14 and over
TV-MA : Mature Audience

• 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 parental guidelines must be set up separately for each age group. (See page 64.)

62

How to Set up Restrictions Using the "MPAA Rating"

The Movie rating system uses the "MPAA" (**M**otion **P**icture **A**ssociation of **A**merica) system, and its main application is for movies.
When the rating controls is on, the TV will automatically block any programs that are coded with objectionable ratings (either "MPAA Rating" or "TV Parental Guidelines").

1

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

T V	Setup
Input	Time ▶
Picture	Plug & Play ▶
Sound	Language : English ▶
	Self Focus ▶
Channel	Blue Screen : On ▶
Setup	Caption ▶
	▼ More
◆ Move	⊕ Enter ▥ Return

2

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

Press the number buttons to enter your current 4-digit pin number.

T V	V-Chip
Input	
Picture	Enter PIN
Sound	□ □ □ □
Channel	
Setup	
0..9 Enter PIN	▥ Return

3
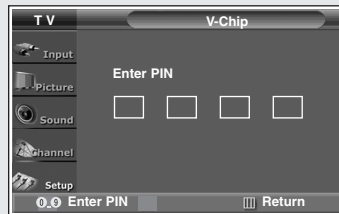
The "V-Chip" menu is displayed.

Press the ▲ or ▼ button to select "MPAA Rating", then press the **ENTER** button.

T V	MPAA Rating
Input	Block
Picture	G
	PG
Sound	PG-13
	R
Channel	NC-17
	X
Setup	NR
◆ Move	⊕ Enter ▥ Return

4
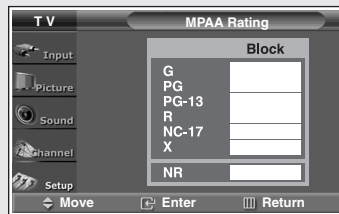
You can independently lock the movie ratings. The locked movie ratings are indicated by the symbol "🔒".

Press the ▲/▼/▶ buttons and the **ENTER** button to activate the appropriate restrictions for movie rating system.

Press the **EXIT** button to exit.

T V	MPAA Rating
Input	Block
Picture	G 🔒
	PG 🔒
Sound	PG-13 🔒
	R 🔒
Channel	NC-17 🔒
	X 🔒
Setup	NR
◆ Move	⊕ Enter ▥ Return

TV OPERATION

Important Notes About Parental Locks

Explanation of the MPAA and TV (FCC) Rating Systems:

TV (FCC) Age-Based Ratings

TV-MA
Mature audiences only. This program may contain mature themes, profane language, graphic violence and explicit sexual content.

TV-14
Parents strongly cautioned. This program may contain sophisticated themes, sexual content, strong language and more intense violence.

TV-PG
Parental guidance suggested. The program may contain infrequent coarse language, limited violence, some suggestive sexual dialogue and situations.

TV-G
General audience. It contains little or no violence, no strong language, and little or no sexual dialogue or situations.

TV-Y7
Directed to older children. Themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of seven.

TV-Y
All children. The themes and elements in this program are specifically designed for a very young audience, including children from ages two - six.

TV (FCC) Content Category

V	Violence.
S	Sexual content.
L	Offensive language.
D	Dialogue sexual innuendo.
FV	Fantasy or cartoon violence.

MPAA Rating System (Movies)

G	General audience. No restriction.
PG	Children under 13 should be accompanied by an adult.
PG-13	Parental guidance suggested. Children under 13 should be accompanied by an adult.
R	Restricted. Viewers should be 17 or older.
NC-17	Not classified. Viewers should be 17 or older.
X	Adults only.
NR	Not rated.

- TV (FCC) ratings : The particular rating that you have selected will be locked (and indicated as a red "L" on a blue background). Also, all of the age-based ratings will be locked within the particular group (i.e., "group 1" or "group 2"). Suppose that the TV-G rating and all of its contents (V, S, L, and D) are locked. In that case, more restrictive ratings (TV-PG, TV-14, and TV-MA) and all of their contents (V, S, L, and D) are automatically locked as well.

- MPAA ratings : The particular rating that you have selected will be locked. In addition, more restrictive ratings will be locked as well.

- Neither TV (FCC) ratings nor MPAA ratings apply to news programs.

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TV OPERATION

Viewing an External Signal Source

Use the remote control to switch between viewing signals from connected equipment, such as VCR, DVD, Set-Top box and the TV source (broadcast or cable).

Setting the Signal Source

1
Press the **MENU** button.
Press the **ENTER** button to select "Input".

T V	Input	
Input	Source List : TV	▶
Picture	Edit Name	▶
Sound		
Channel		
Setup		
◆ Move	⏎ Enter	▥ Return

2
Press the **ENTER** button to select "Source List".

Press the ▲ or ▼ button to select a signal source, then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Source List	
Input	TV	
Picture		
Sound		
Channel	▼ More	
Setup		
◆ Move	⏎ Enter	▥ Return

◀ When you connect equipment to the TV, you can choose between the following sets of jacks : "AV3", "S-Video2" on the TV's side panel or "AV1", "AV2", "S-Video1", "Component1", "Component2", "DVD" or "HDMI" on the TV's rear panel.

Alternate method:
Press the **SOURCE** button on the remote control repeatedly to select an external signal source.

AV 1

65
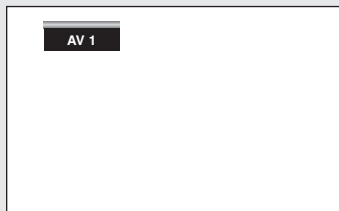
TV OPERATION

Assigning Names to External Sources

This feature enables you to name the input source you have connected.

1
Press the **MENU** button.
Press the **ENTER** button to select "Input".

T V	Input	
Input	Source List : TV	▶
Picture	Edit Name	▶
Sound		
Channel		
Setup		
⬍ Move	⤶ Enter	▥ Return

2
Press the ▲ or ▼ button to select "Edit Name", then press the **ENTER** button.
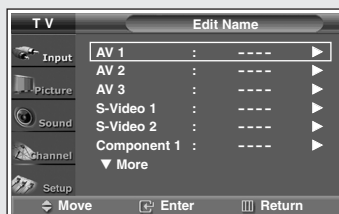
T V	Edit Name	
Input	AV 1 : ----	▶
Picture	AV 2 : ----	▶
	AV 3 : ----	▶
Sound	S-Video 1 : ----	▶
	S-Video 2 : ----	▶
Channel	Component 1 : ----	▶
Setup	▼ More	
⬍ Move	⤶ Enter	▥ Return

3
Press the ▲ or ▼ button to select a signal source, then press the **ENTER** button.
Press the ▲ or ▼ button to select an external device, then press the **ENTER** button.

Press the **EXIT** button to exit.

T V	Edit Name	
Input	AV 1 : ----	
Picture	AV 2 : VCR	
	AV 3 : DVD	
Sound	S-Video 1 : Cable STB	
	S-Video 2 : HD STB	
Channel	Component 1 : Satellite STB	
Setup	▼ More : AV Receiver	
	DVD Receiver	
	▼	
⬍ Move	⤶ Enter	▥ Return

◄ The device names available are listed.
- VCR
- DVD
- Cable STB
- HD STB
- Satellite STB
- AV Receiver
- DVD Receiver
- Game
- Camcorder
- DVD Combo
- DHR (DVD HDD Recorder)
- PC

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TV OPERATION

Customizing Your Remote Control

Your TV comes equipped with a universal remote control. In addition to controlling the TV, the universal remote control can also operate a VCR, Cable box, DVD and Set-Top Box made by Samsung (even if your VCR, Cable box and DVD are made by manufacturers other than Samsung).

• The remote control might not be compatible with all VCRs, DVD players and Cable boxes.

Setting Up Your Remote Control to Operate Your VCR (Cable box or DVD player)

1
Turn off your VCR (Cable box or DVD player).

2
Press the **MODE** button to switch the remote control to the **VCR** (**CABLE** or **DVD**) mode.

◄ The remote control has five modes: **TV**, **STB**, **VCR**, **CABLE** and **DVD**.

3
On your Samsung remote control, press the **SET** button.

4
Enter 3 digits of the VCR (Cable box or DVD player) code listed on next page for your brand of VCR (Cable box or DVD player).

◄ Make sure you enter 3 digits of the code, even if the first digit is a "0". (If more than one code listed, try the first one.)

5
Press the **POWER** button on the remote control. Your VCR (Cable box or DVD player) should turn on. If your VCR (Cable box or DVD player) turns on, your remote control is now set correctly.

◄ If your VCR (Cable box or DVD player) does not turn on, repeat steps 2, 3, and 4, but try one of the other codes listed for the brand of your particular VCR (Cable box or DVD player).

6
Once your remote control is set up, press the **MODE** button any time you want to use the remote to operate your VCR (Cable box or DVD player).

• When your remote is in the **TV** mode, the VCR (or DVD player) control buttons (**REW**, **STOP**, **PLAY/PAUSE** and **FF**) will still operate your VCR (or DVD player).

• When your remote control is in the **STB**, **VCR**, **CABLE** or **DVD** mode, the volume buttons still control your TV's volume.

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TV OPERATION

Remote Control Codes

VCR Codes

Admiral	015,088	Hitachi	014,024,044,045	Quasar	017,053
Aiwa	024	Instant Replay	017	Radio Shack	011,015,017,018,021,024,
Akai	026,031,032	JC Penny	011,014,016,017,023,025,		028,036,052,062
Audio Dynamics	022,025		039,044,060,062	RCA	009,014,016,017,037,044,
Bell & Howell	011	JCL	011,017,023,025,039,055		046,063,078
Broksonic	019	Kenwood	011,023,025,039,055	Realistic	011,015,017,018,021,024,
Candle	016,018,022,054,055,061	KLH	082		028,036,052,062
Canon	017,062	LG(Goldstar)	001,002,007,018,023,055,	Samsung	000,016,022, 031,041,051
Citizen	016,018,022,054,055,061		069	Sansui	025
Colortyme	023	Lloyd	024	Sanyo	011,021
Craig	016,021	Logik	040	Scott	022,050,058,077
Curtis Mathes	009,016,017,023,024,055,	LXI	024	Sears	011,014,018,021,027,028,
	062,073,076	Magnavox	017,038,062,065		044,052,057
Daewoo	003,004,005,006,007,008,	Marantz	011,017,023,025,038,039,	Sharp	015,036,048,054
	022,054,085		055,070	Shintom	026,035,040,064
DB	023,025	MTC	016,024	Signature	024
Dimensia	009	Multitech	016,024,040,041	Sony	026,035,047
Dynatech	024	NEC	011,023,025,039,055,070,	Sylvania	017,024,038,062,065
Electrohome	036		073	Symphonic	024
Emerson	017,018,019,022,024,029,	Optimus	015	Tandy	011,024
	032,036,043,050,051,056,	Panasonic	017,062,084,086	Tatung	039
	058,066,071,074,076,077,	Pentax	014,044	Teac	024,039,078
	079	Pentex Research+	055	Technics	017
Fisher	011,021,027,028,052,057,	Philco	017,038,062,065	Teknika	017,018,024,030
	067	Philips	017,038	TMK	076
Funai	024	Pioneer	014,025,042,059	Toshiba	014,022,028,057,058
General Electric	009,016,017,041,062	Portland	053,054,061	Toshiko	018
Go Video	016	PROSCAN	009	Totevision	016,018
Harman Kardon	023	Quartz	011		

Cable Box Codes

Anvision	015,016	Magnavox	015,016,027,029,034,036,	Signature	054
Cable Star	015,016		037,040,041,048,049	Sprucer	035
DaeHan	005	Nawoo	001	Starcom	054
DeaRyung	003	NSC	017	Stargate2000	066
DongKuk	004	Oak	024,046	Sylvania	019,067
Eagle	015,016	Osk Sigma	024	TaePyungYang	002
Eastern International	020	Panasonic	011,035,047,069	Texscan	019,067
General Instrument	054	Philips	015,016,027,029,034,036,	Tocom	025,029,057,058,063
GI	012,013,023,031,032,033,		037,040,041,048,049	Unika	039,040,049
	038,044,075,076,077	Pioneer	026,028,052	Universal	059,060
Hamlin	011,012,020,021,042,056	Randtek	015,016	Viewstar	015,016,027,029,034,036,
Hitachi	045,051,054	RCA	008,035,074		037,040,041,048,049
Jerrold	012,013,023,031,032,033,	Regal	011,020,021	Warner Amex	052
	038,044,054,070,073	Regency	010,041	Zenith	022,050,065,069
LG(Goldstar)	006	Saewoo	007		
Macom	045,051	Samsung	000,011,030,052,071,072		

DVD Codes

Curtis Mathes	009	Philips	007	Sharp	005
JVC	003	PROSCAN	008	Sony	004
LG(Goldstar)	001	RCA	008	Toshiba	002
Panasonic	006	Samsung	000		

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Chapter Four

DVD OPERATION

Playing a Disc

Playback

1

Press the **TV/DVD** button to switch the DVD mode.
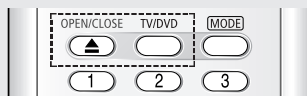
2

Press the **OPEN/CLOSE** (⏏) button.

3

Place a disc gently into the tray with the disc's label facing up.
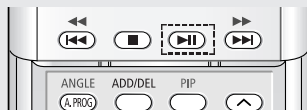
4

Press the ▶❙❙ (Play/Pause) or **OPEN/CLOSE** (⏏) button to close the disc tray.

Stopping Playback

Press the ■ (Stop) button during playback.
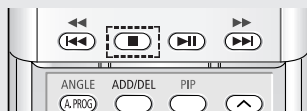
Removing Disc

Press the **OPEN/CLOSE** (⏏) button.
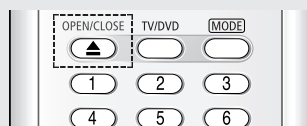
DVD OPERATION

Pausing Playback

Press the ▶❙❙ (Play/Pause) button during playback, then screen stops and no sound.
To resume, press the ▶❙❙ (Play/Pause) button again.
It will pick up where you left off (unless the disc is removed, the ■ (Stop) button is pressed twice or the set is unplugged.).
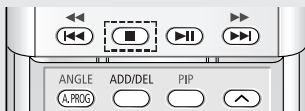
◀ If the player is left for 5 minutes in pause mode, it will stop.
◀ The "⊘" icon indicates an invalid button press.

Slow Motion Play (Except CD)

Press the ▶▶ (Forward search) button during pause.
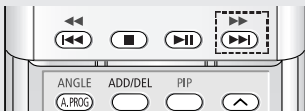
- By pressing the ▶▶ (Forward search) button for a second during pause, you can select slow motion playback for 1/2, 1/4, 1/8 or 1/16 of normal speed.

- No sound is heard during slow mode.

- Press the ▶❙❙ (Play/Pause) button to resume normal playback.

- When playing a VCD, the reverse slow motion play will not work.

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Using the Search and Skip Functions

Searching through a Chapter or Track

Press the ▶▶ (Forward search) or ◀◀ (Rewind search) button during playback.
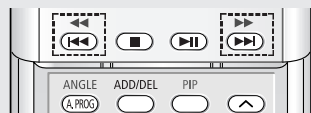
◀ When in search mode (2X/4X/8X/16X/32X) on a DVD or high-speed playback on a VCD, no sound will be heard.

- Press the ▶▶ (Forward search) or ◀◀ (Rewind search) button and press again to search at a faster speed (2X/4X/8X/16X/32X) on the DVD, VCD, CD.

- To return to normal speed playback, press the ▶II (Play/Pause) button.

Skipping Tracks

Press the ▶▶I (Next skip) or I◀◀ (Back skip) button during playback.
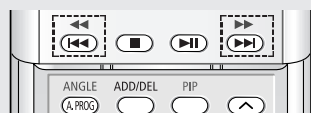
- Press the ▶▶I (Next skip) or I◀◀ (Back skip) button and press again to search at a faster speed (2X/4X/8X/16X/32X) on the DVD, VCD, CD.

- When playing a DVD, if you press the ▶▶I (Next skip) button, it moves to next chapter. If you press the I◀◀ (Back skip) button, it moves to the beginning of the chapter. One more press makes it move to the beginning of the previous chapter.

- When playing a CD, if you press the ▶▶I (Next skip) button, it moves to next track. If you press the I◀◀ (Back skip) button, it moves to the beginning of the track. One more press makes it move to the beginning of the previous track.

- When playing a VCD 2.0 in MENU OFF mode, a VCD1.1 or a CD, if you press the ▶▶I (Next skip) button, it moves to next track. If you press the I◀◀ (Back skip) button, it moves to the the beginning of the track. One more press makes it move to the beginning of the previous track.

- If a track exceeds 15 minutes when playing a VCD and you press the ▶▶I (Next skip) button, it moves forward 5 minutes. If you press the I◀◀ (Back skip) button, it moves backward 5 minutes.

- When playing a VCD 2.0 in the MENU MODE or Track View function, if you press the ▶▶I (Next skip) button, it moves to the next menu or the next Track View display. If you press the I◀◀ (Back skip) button, it moves to the previous menu or the previous Track View display.

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DVD OPERATION

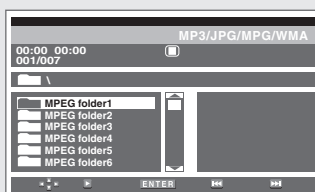# Using the Play Function

When Playing a MP3/WMA

1

Press the **OPEN/CLOSE** (⏏) button.
Place a disc gently into the tray
with the disc's label facing up.
Press the ▶II (Play/Pause) or
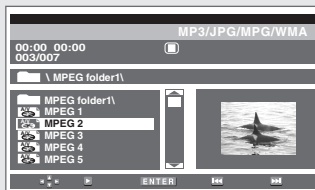**OPEN/CLOSE** (⏏) button to close
the disc tray.

2
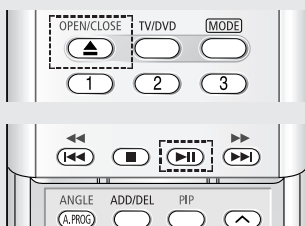
Press the ▲ or ▼ button to select
the desired music folder, then
press the **ENTER** or ▶ button.

3
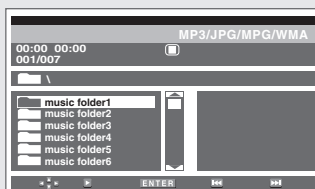
Press the ▲ or ▼ button again to
select a song file. Press the **ENTER**
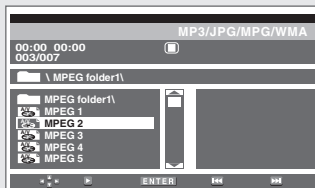or ▶II (Play/Pause) button to
begin play of the song file.
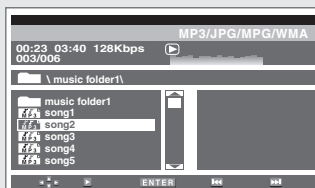
4

To play another song file of the same music folder, press the ■ (Stop)
button and press the ▲ or ▼ button to select a song file. Press the **ENTER**
or ▶II (Play/Pause) button.
To play another song file of another folder, press the ◀ button to move the
music folder lists. Repeat Steps **2** to **3**.

Press the **EXIT** button to exit.

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DVD OPERATION

When playing CD-R/MP3 discs, please follow the recommendations below:

- **Your MP3 files should be ISO 9660 or JOLIET format.**
  ISO 9660 format and Joliet MP3 files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. These two formats are the most widely used.

- **When naming your MP3 files do not exceed 8 characters, and place ".mp3" as the file extension.**
  General name format of: Title.mp3. When composing your title, make sure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including: (.,/,\,=,+).

- **Use a decompression transfer rate of at least 128 Kbps when recording MP3 files.**
  Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate (conversion to MP3 format) of at least 128 Kbps and up to 160 Kbps. However, choosing higher rates, like 192 Kbps or more, only rarely give better sound quality. Conversely, files with sampling rates below 128 Kbps will not be played properly.

- **Do not try recording copyright protected MP3 files.**
  Certain "securized" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows Media™ (registered trade mark of Microsoft Inc) and SDMITM (registered trademark of The SDMI Foundation). You cannot copy such files.

- **Your DVD player only accepts one level of file directory.**
  Consequently you must choose:
  - either to save all your MP3 recording files at the root of the disc;
  - and/or create folders in the directory for each artist or music type (e.g.classical, rock, jazz, etc)

- **Important**
  The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (degraded sound quality and in some cases, inability of the player to read the files).

- This unit can play a maximum of 500 files and 300 folders per disc.

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DVD OPERATION

When Playing a MPG

1
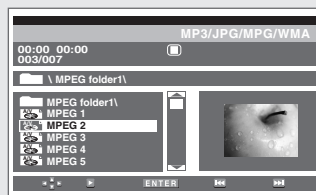
Press the **OPEN/CLOSE** button.
Place a disc gently into the tray
with the disc's label facing up.
Press the ▶Ⅱ (Play/Pause) or
OPEN/CLOSE button to close the
disc tray.

OPEN/CLOSE TV/DVD MODE
1 2 3
◀◀ ▶▶
I◀◀ ■ ▶Ⅱ ▶▶I
ANGLE ADD/DEL PIP
A.PROG

2
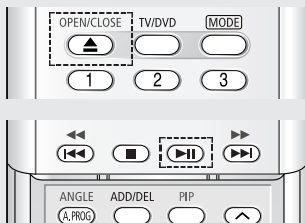
Press the ▲ or ▼ button to select
the desired MPEG folder, then
press the **ENTER** or ▶ button.

MP3/JPG/MPG/WMA
00:00 00:00
001/007
\
MPEG folder1
MPEG folder2
MPEG folder3
MPEG folder4
MPEG folder5
MPEG folder6
ENTER I◀◀ ▶▶I

3

Press the ▲ or ▼ button again to
select a MPEG file. Press the
ENTER or ▶Ⅱ (Play/Pause) button
to begin play of the MPEG file.

MP3/JPG/MPG/WMA
00:00 00:00
003/007
\ MPEG folder1\
MPEG folder1\
MPEG 1
MPEG 2
MPEG 3
MPEG 4
MPEG 5
ENTER I◀◀ ▶▶I

4

To play another MPEG file of the
same MPEG folder, press the ■
(Stop) button and press the ▲ or
▼ button to select a MPEG folder.
Press the **ENTER** or ▶Ⅱ
(Play/Pause) button.
To play another MPEG folder of
another folder, press the ◀ button
to move the MPEG folder lists.
Repeat Steps **2** to **3**.

Press the **EXIT** button to exit.

MP3/JPG/MPG/WMA
00:00 00:00
003/007
\ MPEG folder1\
MPEG folder1\
MPEG 1
MPEG 2
MPEG 3
MPEG 4
MPEG 5
ENTER I◀◀ ▶▶I

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DVD OPERATION

When Playing a JPEG

Press the **OPEN/CLOSE** button.
Place a disc gently into the tray
with the disc's label facing up.
Press the ►II (Play/Pause) or
OPEN/CLOSE button to close the
disc tray.

OPEN/CLOSE	TV/DVD	MODE
▲		
1	2	3

◄◄ ▶▶
I◄◄ ■ ►II ►►I

ANGLE ADD/DEL PIP
A.PROG
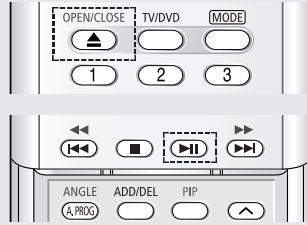
Rotating and Reversing the picture

Press the ▲ or ▼ button to select
the desired picture file of the file
list, then press the **ENTER** button.
The selected picture is displayed.

Press the ◄ or ► button to rotate
the picture.

MP3/JPG/MPG/WMA

00:00 00:00
003/007

\ MPEG folder1\

MPEG folder1\
MPEG 1
MPEG 2
MPEG 3
MPEG 4
MPEG 5

ENTER   I◄◄   ►►I

◄ Press the ▲ button repeatedly
to reverse vertically.
Press the ▼ button repeatedly to
reverse horizontally.

◄ If you want to return to the file
list, press the ■ (Stop) button.

Slide Show

Press the ▲ or ▼ button to select the desired picture file of the file list,
then press the ►II (Play/Pause) button.
It enters slide show mode.

◄ If you want to return to the file
list, press the ■ (Stop) button.

Viewing the Album Screen

Press the **DVD MENU** button
during slide show.
The DVD menu is displayed with
the "Disc Menu" is selected.

Press the **ENTER** button to select
"Disc Menu".
It enters album screen mode.

To display the next or previous 12
pictures, press the ►►I (Next skip)
or I◄◄ (Back skip) button.

Press the ▲/▼/◄/► button to
select the desired picture, then
press the ►II (Play/Pause) button.
It enters slide show mode again.
If you press the **ENTER** button after
selecting the desired picture, the
selected picture will be displayed
only.

Press the **EXIT** button to exit.

DVD

Disc Menu   **Press ENTER key**
             for DiscMenu
Title Menu

Function

Setup

ENTER   RETURN   DVDMENU

ENTER   ►   I◄◄   ►►I

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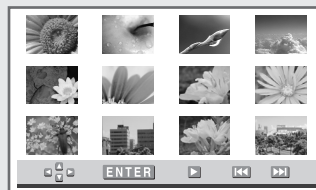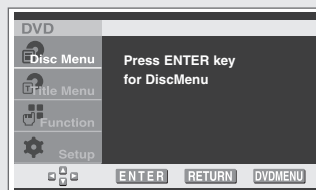
DVD OPERATION

Using the Disc Menu

1

Press the **DVD MENU** button.
The DVD menu is displayed with
the "Disc Menu" is selected.

2

Press the **ENTER** button to select
"Disc Menu".

DVD

Disc Menu

Title Menu

Function

Setup

**Press ENTER key
for DiscMenu**

ENTER   RETURN   DVDMENU
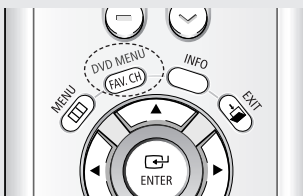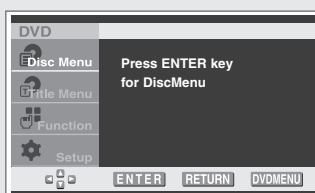
◄ Depending on the disc, the
"Disc Menu" may not work.

Using the Title Menu

1

Press the **DVD MENU** button.
The DVD menu is displayed.

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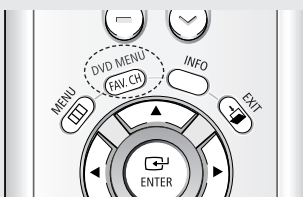
Press the ▲ or ▼ button to select
"Title Menu", then press the
ENTER button.

DVD

Disc Menu

Title Menu

Function

Setup

**Press ENTER key
for TitleMenu**

ENTER   RETURN   DVDMENU
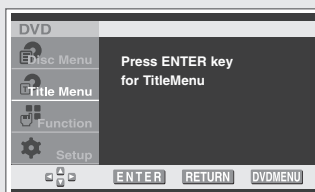
◄ The "Title Menu" will be
displayed if there are at least two
titles in the disc.
◄ Depending on the disc, the
"Title Menu" may not work.

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Displaying the Disc Information

1

Press the **DVD MENU** button.
Press the ▲ or ▼ button to select
"Function", then press the **ENTER**
button.
The "Info" is selected.

DVD
Disc Menu
Title Menu
Function — Info / Zoom / Bookmark / Repeat / Program
Setup
ENTER RETURN DVDMENU

2
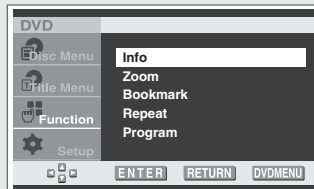
Press the **ENTER** button again.
Depending on the disc, the disc
information will be displayed.
You can display by simply pressing
the **INFO** button.

Press the ▲ or ▼ button to select
the required item. Press the ◄ or
► button to make the required
setup, then press the **ENTER**
button.

To make the screen disappear,
press the **INFO** button.

DVD
Title 01/01
Chapter 03/40
Time 0:10:20
Audio ENG 5.1
Subtitle Off
ENTER
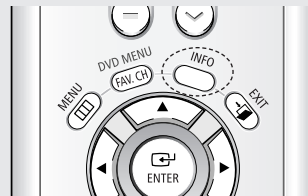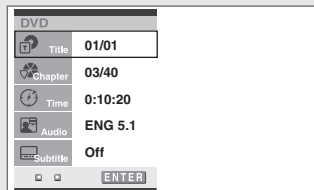
◄ You may use the number
buttons of the remote control to
start play from a desired time.

◄ **What is a Title?**
A DVD may contain several
different titles. For example,
if a disc contains four
different movies, each might
be considered a title.
◄ **What is a Chapter?**
Each Title on a DVD can be
divided into chapters (similar
to tracks on an audio CD).

Title
To access the desired title when there is more than one in the disc.
For example, if there is more than one movie on a DVD, each movie will be
identified.

Chapter
Most DVD discs are recorded in chapters so that you can quickly find a specific
passage.

Time
Allows playback of the film from a desired time. You must enter the starting time as
a reference.

Audio
Refers to the language of the film soundtrack. In the example, the soundtrack is
played in English 5.1ch. A DVD can have up to eight different soundtracks.

Subtitle
Refers to the subtitle languages available in the disc. You will be able to choose the
subtitles language or, if you prefer, turn them off from the screen. A DVD disc can
have up to 32 different subtitles.

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DVD OPERATION

Using the Zoom Function (DVD/VCD)

1

Press the **DVD MENU** button.
Press the ▲ or ▼ button to select
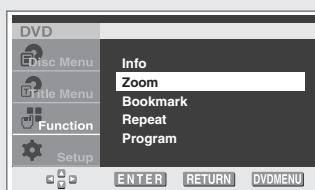"Function", then press the **ENTER**
button.

DVD	
Disc Menu	**Info**
Title Menu	**Zoom**
	Bookmark
Function	**Repeat**
Setup	**Program**
	ENTER RETURN DVDMENU

2
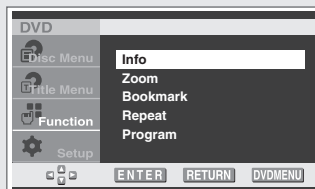
Press the ▲ or ▼ button to select
"Zoom", then press the **ENTER**
button.
The "🔍" mark is displayed.

Press the **ENTER** button repeatedly
to zoom in on (DVD or VCD: 2X, 3X,
4X, 1/2X, 1/3X, 1/4X in order).

Press the ▲/▼/◄/► button to
select the part of the screen you
want to zoom in on (2X/3X/4X).

DVD	
Disc Menu	**Info**
Title Menu	**Zoom**
	Bookmark
Function	**Repeat**
Setup	**Program**
	ENTER RETURN DVDMENU

🔍 **2X**

Changing the Camera Angle

When a DVD contains multiple angles of a particular scene, you can select the Angle function.

Press the **ANGLE** button.
Press the ◄ or ► button to select
the desired screen angle.

To turn off the display, press the
ANGLE button again.

ANGLE	ADD/DEL	PIP	⌃
A.PROG			
CAPTION	SELF FOCUS	SWAP	CH ⌄

📹 1/9 □ □

78
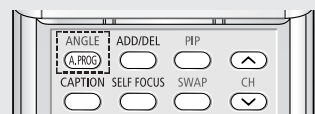
DVD OPERATION

Using the Bookmark Function (DVD/VCD)

This feature lets you bookmark sections of a DVD or VCD so you can quickly find them at a later time.

1

Press the **DVD MENU** button.
Press the ▲ or ▼ button to select "Function", then press the **ENTER** button.

```
DVD
Disc Menu      Info
Title Menu     Zoom
               Bookmark
Function       Repeat
               Program
Setup
          ENTER   RETURN   DVDMENU
```

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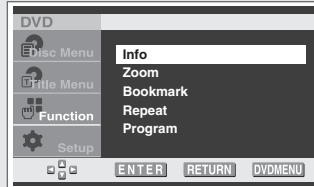
Press the ▲ or ▼ button to select "Bookmark", then press the **ENTER** button.

Press the ◀ or ▶ button to move to the desired bookmark icon. When you reach the scene you want to mark, press the **ENTER** button.
The icon will change to a number (1, 2, or 3).

```
DVD
Disc Menu      Info
Title Menu     Zoom
               Bookmark
Function       Repeat
               Program
Setup
          ENTER   RETURN   DVDMENU
```
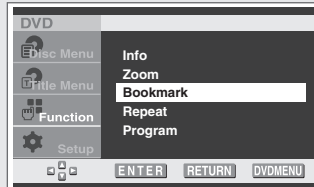
◀ Depending on the disc, this function may not work.

◀ Up to three scenes may be marked at the same time.

Recalling a Marked Scene

Press the ◀ or ▶ button to select a marked scene.
Press the ▶‖ (Play/Pause) button to skip to the marked scene.

Clearing a Bookmark

Press the ◀ or ▶ button to select the bookmark number you want to delete.
Press the **CLEAR** button to delete a bookmark number.

79
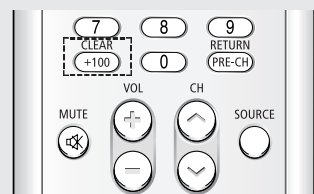
DVD OPERATION

Repeat Play

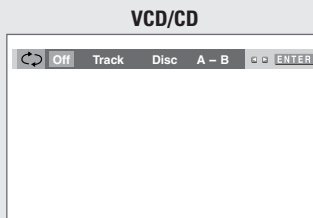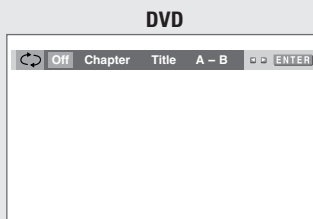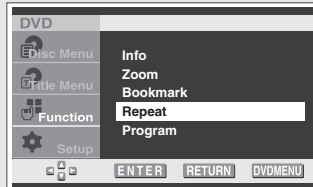Repeat the current track, chapter, title, a chosen section (A-B), or all of the disc.

1

Press the **DVD MENU** button.
Press the ▲ or ▼ button to select
"Function", then press the **ENTER**
button.

DVD	
Disc Menu	**Info**
Title Menu	Zoom
	Bookmark
Function	Repeat
	Program
Setup	
	ENTER RETURN DVDMENU

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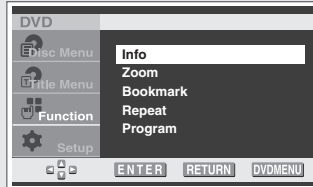
Press the ▲ or ▼ button to select
"Repeat", then press the **ENTER**
button.

Press the ◀ or ▶ button to select
the chapter, title or A-B.
Press the **ENTER** button.
The DVD repeats playback by
chapter or title, the VCR and CD
repeat playback by track or disc.

DVD	
Disc Menu	Info
Title Menu	Zoom
	Bookmark
Function	**Repeat**
	Program
Setup	
	ENTER RETURN DVDMENU

DVD

↻	Off	Chapter	Title	A – B	ENTER

VCD/CD

↻	Off	Track	Disc	A – B	ENTER

◀ Depending on the disc, this
function may not work.

A-B Repeat

Press the ◀ or ▶ button to select "A -". Press the **ENTER** button at the
point where you want the repeat play to start.
Press the ◀ or ▶ button to select "B". Press the **ENTER** button at the point
where you want the repeat play to stop.
To return to normal play, press the ◀ or ▶ button to select "Off" and press
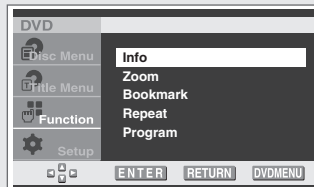the **ENTER** button.

◀ If the title or track is
completed before marking the
end (B), the end of title or track
becomes "B" automatically.

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DVD OPERATION

Program Play (CD)

1

Press the **DVD MENU** button.
Press the ▲ or ▼ button to select
"Function", then press the **ENTER**
button.

```
DVD
  Disc Menu       Info
                  Zoom
  Title Menu      Bookmark
                  Repeat
  Function        Program

  Setup

          ENTER   RETURN   DVDMENU
```

2

Press the ▲ or ▼ button to select
"Program", then press the **ENTER**
button.

Press the number buttons to select
the first track to add to the
program.
Selected numbers are displayed in
the first track.

Press the ▲/▼/◄/► button to
move the next tray. Follow the
above instruction for programming.

Press the ►II (Play/Pause) button.
The disc will be played in
programmed order.

Press the **EXIT** button to exit.

```
DVD
  Disc Menu       Info
                  Zoom
  Title Menu      Bookmark
                  Repeat
  Function        Program

  Setup

          ENTER   RETURN   DVDMENU
```

```
Program:Track      (01-17)
 01  --          06  --
 02  --          07  --
 03  --          08  --
 04  --          09  --
 05  --          10  --
        Exit            NEXT ►►I

        ►    0 ~ 9   RETURN   CLEAR
```

```
Program:Track      (01-17)
 01  03          06  --
 02  --          07  --
     --          08  --
 04  --          09  --
 05  --          10  --
        Exit    Start    NEXT ►►I

        ►    0 ~ 9   RETURN   CLEAR
```
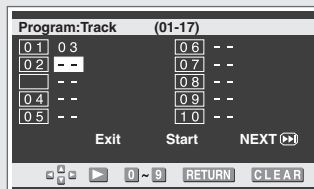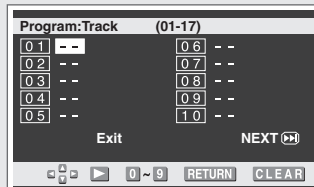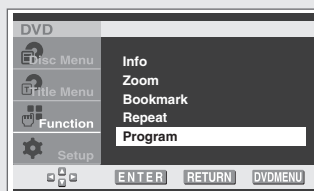
◄ Depending on the disc, this
function may not work.

◄ Press the ■ (Stop) button
twice to cancel the program play
during playback.

◄ Opening the tray by pressing
the **OPEN/CLOSE** button cancels
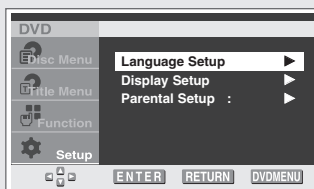the program play.

DVD OPERATION

Setting up the Language for Player Menu

If you select the language for the player's on-screen displays, it will come up automatically every time.

1

Press the **DVD MENU** button.
Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.
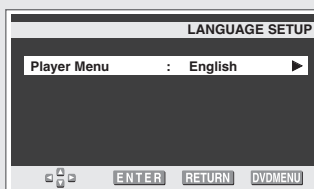The "Language Setup" is selected.

DVD	
Disc Menu	Language Setup ▶
Title Menu	Display Setup ▶
Function	Parental Setup : ▶
Setup	

ENTER   RETURN   DVDMENU

2

Press the **ENTER** button.
The "Player Menu" is selected.

Press the **ENTER** button again.
Press the ▲ or ▼ button to select the appropriate language, then press the **ENTER** button.

Press the **EXIT** button to exit.

LANGUAGE SETUP

Player Menu   :   English   ▶

ENTER   RETURN   DVDMENU

PLAYER MENU LANGUAGE

Player Menu   :   English
                        Français
                        Deutsch
                        Español
                        Italiano
                        Nederlands

ENTER   RETURN   DVDMENU

◄ This function depends on what languages are encoded on the disc and may not work with all DVDs.
◄ If the selected language is not recorded on the disc, the original pre-recorded language is selected.

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Setting up the Display Options

1

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

DVD
Disc Menu
Title Menu
Function
   Setup

Language Setup   ►
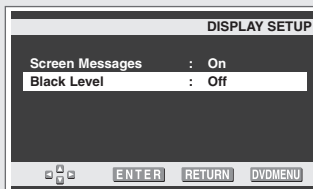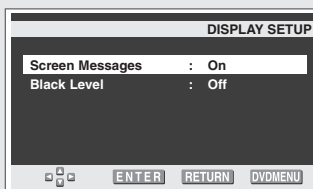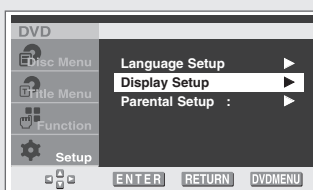Display Setup   ►
Parental Setup :   ►

ENTER   RETURN   DVDMENU

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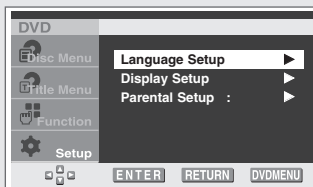
Press the ▲ or ▼ button to select
"Display Setup", then press the
ENTER button.

To turn on-screen messages on or
off, press the ▲ or ▼ button to
select "Screen Messages".
Press the **ENTER** or ► button to
select "On" or "Off".

To adjust the brightness of the
screen, press the ▲ or ▼ button
to select "Black Level".
Press the **ENTER** or ► button to
select "On" or "Off".

Press the **EXIT** button to exit.

DVD
Disc Menu
Title Menu
Function
   Setup

Language Setup   ►
Display Setup   ►
Parental Setup :   ►

ENTER   RETURN   DVDMENU

DISPLAY SETUP

Screen Messages : On
Black Level : Off

ENTER   RETURN   DVDMENU

DISPLAY SETUP

Screen Messages : On
Black Level : Off

ENTER   RETURN   DVDMENU

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DVD OPERATION

Setting up the Parental Control

1

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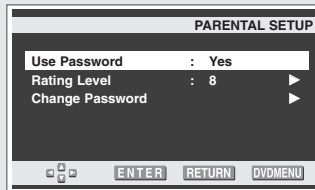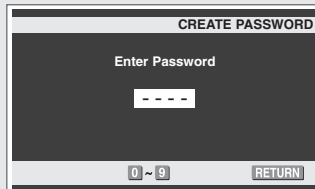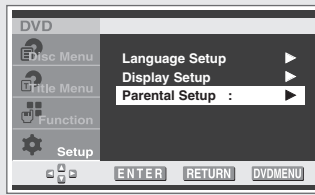
DVD

Disc Menu
Title Menu
Function
Setup

Language Setup	►
Display Setup	►
Parental Setup :	►

ENTER   RETURN   DVDMENU
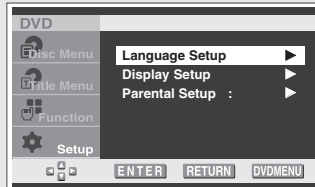
2

Using a Password

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

Enter the default password (**0000**)
by using the number buttons.
The "Parental Setup" menu is
displayed with "Use Password" is
selected.

To use a password, select "Yes"
by pressing the **ENTER** or ►
button.
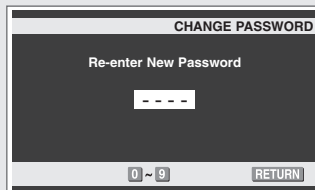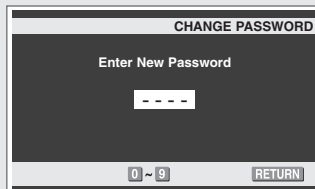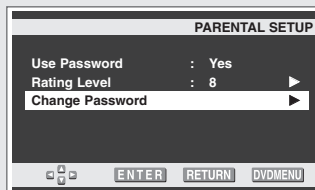The "Rating Level" and "Change
Password" are displayed.

DVD

Disc Menu
Title Menu
Function
Setup

Language Setup	►
Display Setup	►
Parental Setup :	►

ENTER   RETURN   DVDMENU

CREATE PASSWORD

Enter Password

– – – –

0 ~ 9   RETURN

PARENTAL SETUP

Use Password	:	Yes	
Rating Level	:	8	►
Change Password			►

ENTER   RETURN   DVDMENU

◄ If you have lost your
password, enter the master
password (**1369**).

3

Changing a Password

Press the ▲ or ▼ button to select
"Change Password", then press
the **ENTER** button.

Enter your new password.
Re-enter your new password to
confirm.

PARENTAL SETUP

Use Password	:	Yes	
Rating Level	:	8	►
Change Password			►

ENTER   RETURN   DVDMENU

CHANGE PASSWORD

Enter New Password

– – – –

0 ~ 9   RETURN

CHANGE PASSWORD

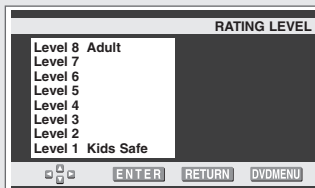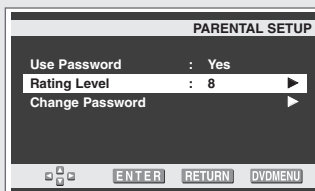Re-enter New Password

– – – –

0 ~ 9   RETURN

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DVD OPERATION

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Adjusting Rating Level

Press the ▲ or ▼ button to select
"Rating Level", then press the
ENTER button.

Press the ▲ or ▼ button to select
the level (e.g. Level 8) and press
the **ENTER** button.
Discs that contain Level 7 will now
not play.

Press the **EXIT** button to exit.

PARENTAL SETUP

Use Password	:	Yes
Rating Level	:	8	▶
Change Password			▶

ENTER RETURN DVDMENU

RATING LEVEL

Level 8 Adult
Level 7
Level 6
Level 5
Level 4
Level 3
Level 2
Level 1 Kids Safe

ENTER RETURN DVDMENU

◀ To cancel the rating level,
select "No" in the "Use Password"
by pressing the ▶ button.

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Chapter Five

TROUBLESHOOTING

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

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 color, wrong colors or tints.	Make sure the program is broadcast in color. Adjust the picture settings. If the set is moved or turned in a different direction, the power should be OFF for at least 30 minutes.
Picture rolls vertically.	Adjust the antenna. 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.

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TROUBLESHOOTING

Problem	Possible Solution
Disc does not play.	Ensure that the disc is installed with the label side facing up. Check the region number of the DVD. This player cannot play CD-ROMs, DVD-ROMs, CD-R, etc. Insert a DVD, a VIDEO-CD or a CD.

5.1 channel sound is not being reproduced.	5.1 channel sound is reproduced only when the following conditions are met. :
	1) The DVD player is connected with the proper amplifier.
	2) The disc is recorded with 5.1 channel sound.
	  • Check whether the disc being played has the "Dolby 5.1 ch" mark on the outside.
	  • Check if your audio system is connected and working properly.

The "⊘" icon appears on screen.	The features or action cannot be completed at this time because : 1) The DVD's software restricts it. 2) The DVD's software doesn't support the feature (e.g., angles). 3) The feature is not available at the moment. 4) You've requested a title or chapter number or search time that is out of range.
Disc Menu doesn't appear.	Check if the disc has a Menu.
Playback mode differs from the Setup Menu selection.	Some of the functions selected in the Setup Menu may not work properly if the disc is not encoded with the corresponding function.
If you experience other problems.	Go to the contents and find the section of the instruction book that contains the explanations regarding the current problem, and follow the procedure once again. If the problem still cannot be solved, please contact your nearest authorized service center.

APPENDIX

Cleaning and Maintaining Your TV

With proper care, your TV unit will give you many years of service. Please follow these guidelines to get the maximum performance from your TV.

Placement
• Do not place the TV near extremely hot, cold, humid or dusty places.
• Do not place the TV near appliances with electric motors that create magnetic fields, such as vacuum cleaners.
• Keep the ventilation openings clear; do not place the TV on a soft surface, such as cloth or paper.
• Place the TV in a vertical position only.

Liquids
• Do not handle liquids near or on the TV. Liquids that spill into it can cause serious damage.

Cabinet
• Never open the cabinet or touch the parts inside.
• Wipe your TV with a clean, dry cloth. Never use water, cleaning fluids, wax, or chemicals.
• Do not put heavy objects on top of the cabinet.

Temperature
• If your TV is suddenly moved from a cold to a warm place, unplug the power cord, and allow at least two hours for moisture that may have formed inside the unit to dry completely.

Using Your TV in Another Country

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

Specifications

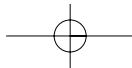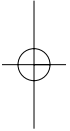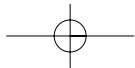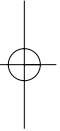| Model	HC-P4363W
Voltage	AC 120V
Frequency of Operation	60Hz
Power Consumption	380 watts
Dimension (W x D x H)	1028 x 583 x 1352 mm 40.4 x 22.9 x 53.2 inches
Weight	73 Kg / 160.9 lbs

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MEMO

MEMO
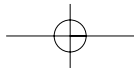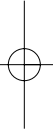
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