SAMSUNG

TX-R2675WH
TX-R2678WH
TX-R3075WH

DIGITAL TELEVISION

SAMSUNG
ELECTRONICS

Owner's Instructions

Register your product at www.samsung.com/global/register

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.

A Guide to Digital TV

What is Digital Television?

Digital television (DTV) is a new way of transmitting high quality video and audio to your TV set. Using DTV, broadcasters can transmit high definition TV (HDTV) images, Dolby digital surround audio, and new services such as multicasting (transmitting more than one program on the same TV channel) and datacasting (providing electronic program guides and interactive television).
Several of these services can be combined into a single digital broadcast.

Digital Television Services

Digital Picture Quality

DTV programs are transmitted in two different formats. The first is Standard Definition Television (SDTV) and the second is High Definition Television (HDTV).

SDTV program formats include 480-line interlaced (480i) and 480-line progressive (480p) video. 480i programs are essentially a digital version of our current analog TV programs, while the 480p format offers improved image detail over 480i. Some 480p programs are broadcast in widescreen and are comparable to progressive-scan DVD movies in image quality.

HDTV program formats include 1080-line interlaced (1080i) and 720-line progressive (720p). Both HDTV formats are always broadcast in widescreen, and offer much higher picture quality than SDTV.

Dolby Surround Sound

With DTV, you can listen to a variety of Dolby digital audio formats from Dolby Surround 2.0 to Dolby Digital 5.1 surround, using your home audio system. Many HDTV programs are now broadcast with DD 5.1 soundtracks.

Interactive Communications and Datacasting

DTV will allow you to interact with your television; choosing programs from a detailed program guide, ordering products on-line while watching TV, and accessing ancillary data about a program.

How to View Digital Television

There are three ways to watch DTV. The first is to use an integrated digital TV; one with a built-in digital television tuner. The second is to connect an external DTV set-top receiver to a DTV-ready television or monitor. This type of TV or monitor will have wideband component video and stereo audio inputs. You can also watch DTV signals with personal computer (PC) tuner cards and computer monitors.

1. Integrated TVs versus DTV-ready TVs and monitors

The advantage of an integrated DTV set is that it can tune both analog and digital TV channels at the same time. All you need to do is adding an external antenna and you are ready to watch DTV.

However, integrated DTV sets are not as common as DTV-ready TVs and monitors. If you already own a DTV-ready TV with component video inputs, you can enjoy DTV broadcasts by simply adding a low-cost DTV set-top receiver and antenna.

2. Using a personal computer and monitor

There are plug-in cards available that will receive and display DTV broadcasts on your computer monitor. In addition, many computer monitors will display one or more of the DTV program formats directly. The most compatible format is 480p, which is similar to the VGA (640x480 pixel) computer display standard. You may be able to watch DTV broadcasts by connecting a computer monitor to the 15-pin jack on the rear of the set-top DTV receiver.

NOTE

This television receiver supports the copy protection system regulated by DTLA (Digital Transmission Licensing Administrator). It should be noted that copy protected content may not be viewable depending on your particular connections.

Q&A

1. Is the antenna I use for existing TV reception good enough for DTV?

Over-the-air (OTA) digital TV broadcasting uses the same channels as analog TV and works well with many existing TV antennas. However, DTV broadcast channel assignments are different than analog channels. You should find out whether your local DTV broadcasts are on VHF (channels 2-13) or UHF (channels 14-69) to see if you need a different antenna.

If your DTV channels are on UHF and you already get good UHF reception, your present antenna may work fine. The same holds true for VHF DTV reception. Note that in some markets, both VHF and UHF channels are used for DTV broadcasts.

You can find out the latest DTV channel assignments for your area by browsing selected Internet web sites such as www.titantv.com , www.10000watts.com, and www.fcc.gov.

2. How difficult is it to receive DTV signals indoors?

This depends on whether your local DTV stations are running full power or not and how close your location is to the transmission tower. DTV receivers do not require as much signal as analog TV receivers to produce high-quality images and sound.

Once the DTV signal level exceeds a certain threshold at the receiver, the digital video and audio data is decoded at the same quality it was originally encoded for broadcast. This is a big advantage for DTV over analog TV - there is no noise, ghosting, static, or scratchy audio.

3. How can I connect an antenna in my townhouse, co-operative apartment, condominium, or apartment?

The Federal Communications Commission's OTARD Rule (part of the Telecommunications Act of 1996) allows residents of condominiums, townhouse, or members of neighborhood associations to put up outside antennas for reception of broadcast TV signals as long as those antennas are not located in common areas and are no more than 12" in height.

Residents of rental units (apartments, etc) are not covered by the OTARD rules and will have to use indoor antennas to receive DTV broadcasts. It is possible that the landlord of an apartment complex can provide broadcast DTV signals via a master TV antenna system to each apartment.

4. Can I connect my DTV set-top receiver to my cable TV service?

Cable TV systems use a different method for transmitting digital TV programs that is currently incompatible with broadcast DTV set-top receivers. So you will still need to use an outdoor or indoor antenna to receive OTA broadcast DTV programs.

The good news is that you won't have to pay a monthly or per-program charge to watch OTA DTV and HDTV programs. They're free, unlike subscription satellite TV or premium cable TV. All you need is an antenna and a DTV set-top receiver to enjoy clear, sharp widescreen images and high-quality audio.

List of Features

Your Samsung TV is 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
- 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
- 16:9 letter box format available depending upon source
- Component Video Input jacks to obtain a sharper image from external sources
- DIGITAL INPUT(High Definition Multimedia Interface)jack
- OPTICAL OUTPUT
- Samsung's New Technology enables an improved image with detail, contrast and white enhancement and 3D noise reduction.

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(AA59-00356B)/ AAA Batteries | Owner's Instructions/ Safety Guide Manual | Ferrite core (3301-001305) | Warranty Card/ Registration Card |
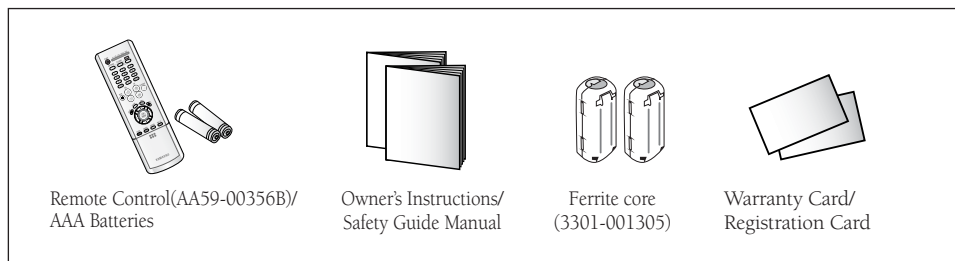
Familiarizing Yourself with Your New TV

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.

TX-R2678WH

TX-R2675WH/TX-R3075WH
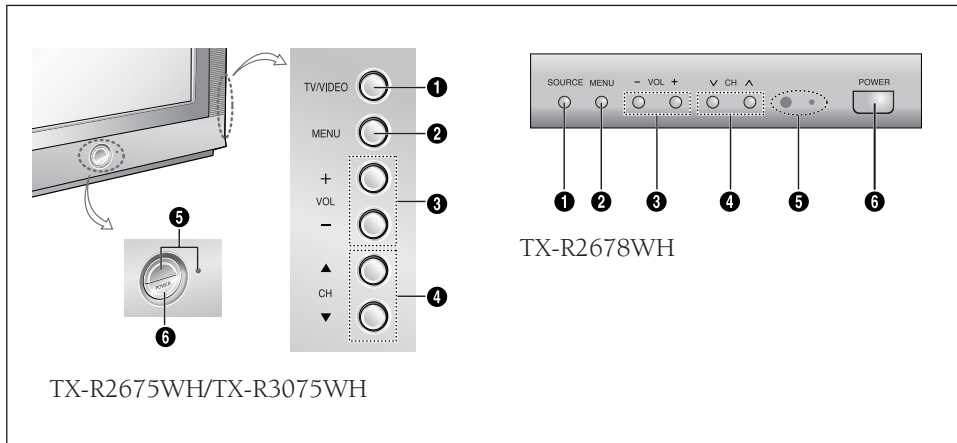
❶ **TV/VIDEO**(TX-R2675WH/TX-R3075WH) **& SOURCE**(TX-R2678WH) **& ENTER**

Press to change between viewing TV programs and signals from other components.
While using the on-screen menus, press ENTER to activate(or change) a particular item.

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

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

❹ **▲ CH ▼ (TX-R2675WH/TX-R3075WH) & ∨ CH ∧ (TX-R2678WH)**

Press to change channels. Also, press to highlight various items on the on-screen menu.

❺ **Remote Control Sensor & STANDBY indicator**
Aim the remote control towards this spot on the TV. Lights up when you turn the power off.

❻ **POWER**
Press to turn the TV on and off.

Connection Jacks (Side)

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 23.)

TX-R2678WH

TX-R2675WH/TX-R3075WH
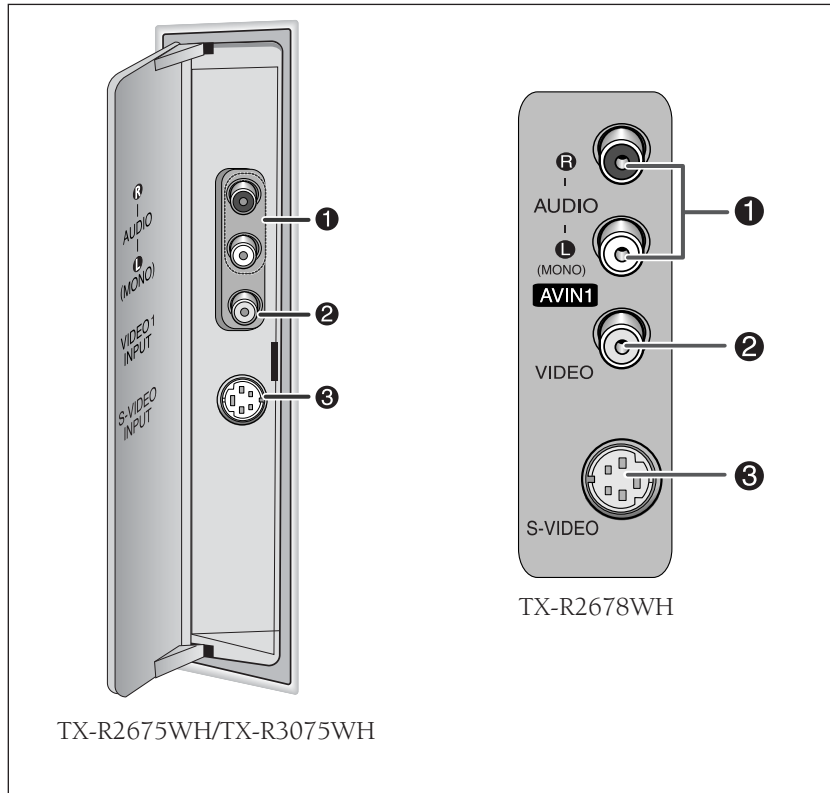
❶ **AUDIO Input**
Connect audio signals from a camcorder or video game.

❷ **VIDEO1 Input**
Connect a video signal from a camcorder or video game.

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

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 page 14~24.
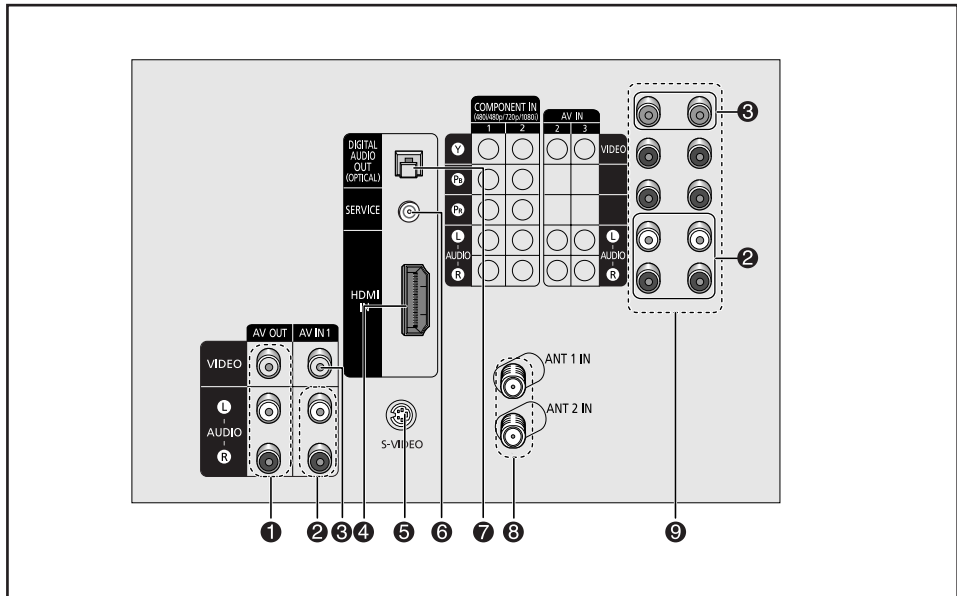
❶ Audio-Video Output jacks
Connect to the audio/video input jacks of a recording VCR.

❷ AUDIO Input jacks
Connect to the audio output jacks of VCRs, DVD players and similar devices.

❸ VIDEO Input jacks
Connect to the video output jacks of VCRs, DVD players and similar devices.

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

❺ S-Video Input jack
Connect to S-Video output jack of an S-VHS VCR or DVD player.

❻ SERVICE
For service only.

❼ DGITAL AUDIO OUT (OPTICAL)
Connect to a Digital Audio component.

❽ ANTENNA terminals
Two independent cables or antennas can be connected to these terminals. Use ANT1IN and ANT2IN terminals to receive a signal from VHF/UHF antennas or your cable system.

❾ Component Input jacks (Y, P$_B$, P$_R$, AUDIO-L/R)
Connect to the Component audio and video outputs of DVD or DTV set-top box. 480i/480p/720p/1080i Y, P$_B$ and P$_R$ video signal inputs are available./

Remote Control

You can use the remote control up to about 23 feet from the TV. When using the remote, always point it directly at the TV.

You can also use your remote control to operate your VCR, DVD, and Cable Box, and Samsung set-top box. See pages 76~77 for details.

❶ POWER
Turns the TV on and off.

❷ ANTENNA
Press to select ANT 1IN or ANT 2IN.

❸ TV/COMP.
Press to switch the TV, COMPONENT1, 2 or HDMI mode.

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

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

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

❼ MUTE
Press to temporarily cut off the sound.

❽ GUIDE
Press to display the on-screen Electronic Program Guide (EPG).

❾ MENU
Displays the main on-screen menu.

❿ ▲/▼/◄/►
Controls the cursor in the menu.

⓫ P.SIZE
Press to change the screen size.

⓬ P.MODE
Adjust the TV picture by selecting one of the preset factory settings (or select your personal, customized picture settings).
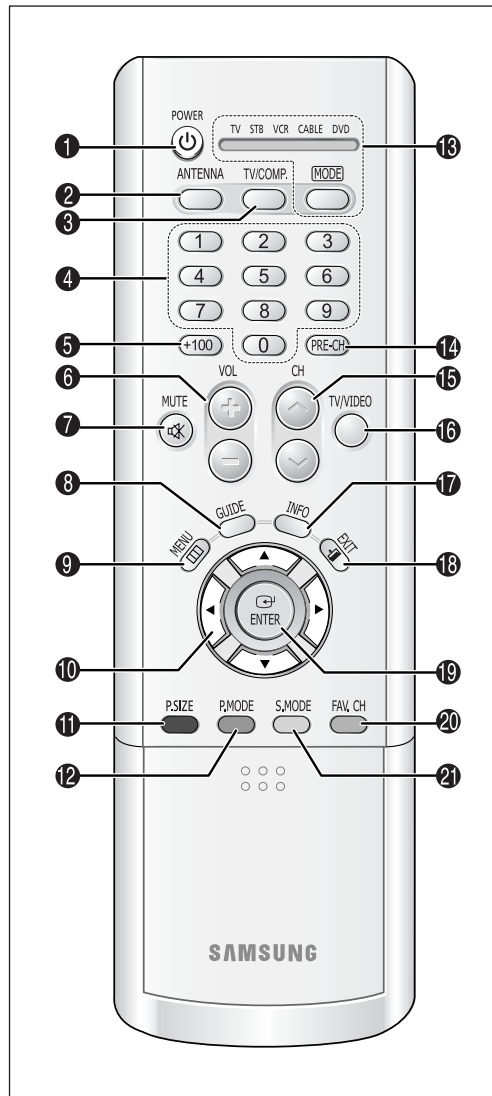
⓭ MODE
Selects a target device to be controlled by this remote control (i.e., TV, Samsung STB, VCR, Cable box, or DVD).

⓮ PRE-CH
Tunes to the previous channel.

⓯ CH∧, CH ∨
Press to change channels.

⓰ TV/VIDEO
Press to display all of the available video sources.

⓱ INFO
Press to display information on the TV screen.

⓲ EXIT
Press to exit the menu.

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

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

㉑ S.MODE
Adjust the TV sound by selecting one of the preset factory settings (or select your personal, customized sound settings).

Remote Control (continued)

22 ADD/DEL

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

23 AUTO.PROG

Press to display the memorized channels menu.

24 BBE

BBE is a built-in effect that adds clarity, punch and dynamics to the sound.

25 CAPTION

Controls the caption decoder.

26 VCR controls

Controls VCR/DVD functions: Rewind, Stop, Play/Pause, Fast Forward.

27 SET

Used during set up of this remote control, so that it will work compatibly with other devices (VCR, Samsung set-top box, Cable box, DVD, etc.)
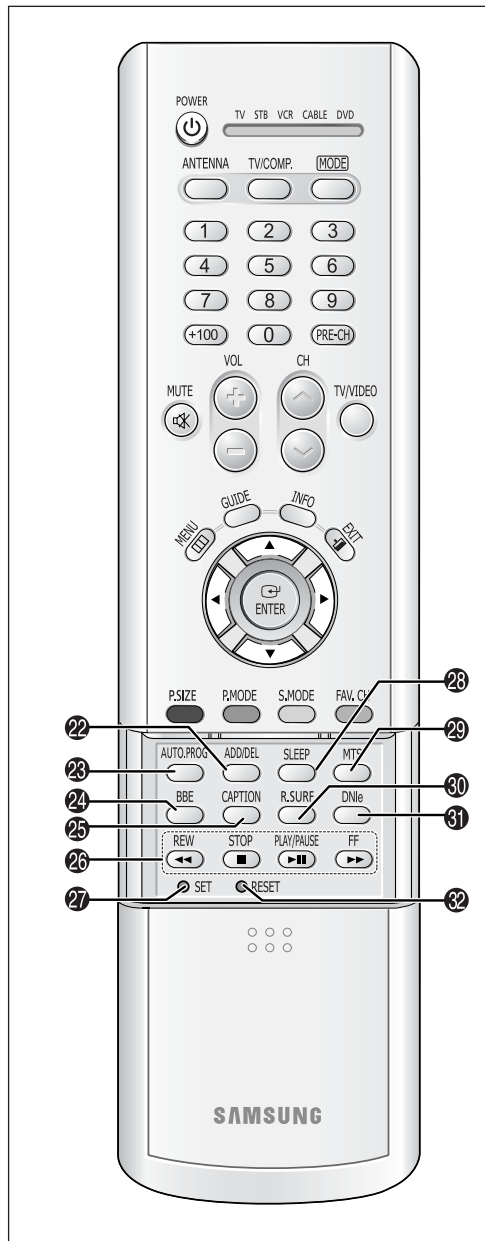
28 SLEEP

Press to select a preset time interval for automatic shutoff.

29 MTS (Multi-channel Television Sound)

Press to choose "Stereo", "Mono", or "SAP" (Secondary Audio Program).

30 R.SURF

Press to automatically return to a preferred channel after a user-preset time delay.

31 DNIe

Not available.

32 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.

Connecting VHF and UHF Antennas

If your antenna has a set of leads that look like this, see "Antennas with 300-ohm Flat Twin Leads," below.
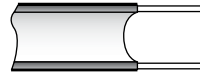
If your antenna has one lead that looks like this, see "Antennas with 75-ohm Round Leads," on page 15.
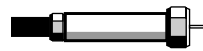
If you have two antennas, see "Separate VHF and UHF Antennas," on page 15.

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.
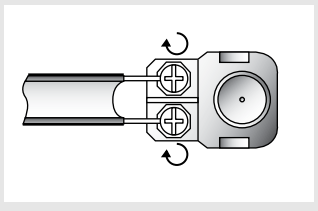
2

Plug the adaptor into the ANT 1 IN or ANT 2 IN terminal on the rear panel.
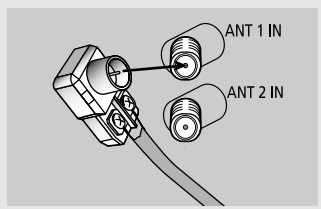
ANT 1 IN

ANT 2 IN

Antennas with 75-ohm Round Leads

Plug the antenna lead into the ANT 1 IN or ANT 2 IN terminal on the rear panel.

ANT 1 IN
ANT 2 IN
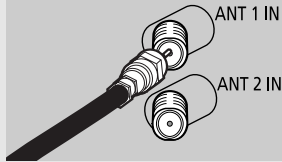
Separate VHF and UHF Antennas

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.

UHF
VHF
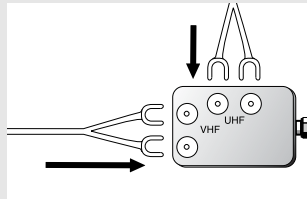
2
Plug the combiner into the ANT 1 IN or ANT 2 IN terminal on the rear panel.

UHF
VHF
ANT 1 IN
ANT 2 IN
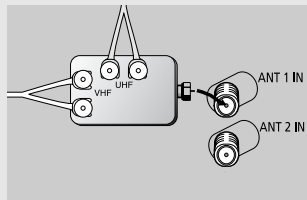
Connecting Cable TV

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 or ANT 2 IN terminal on the rear panel.
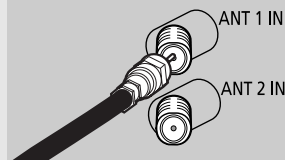
ANT 1 IN
ANT 2 IN

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. This terminal might be labeled "ANT OUT", "VHF OUT", or simply, "OUT".
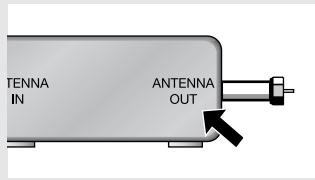
2

Connect the other end of this cable to the ANT 1 IN or ANT 2 IN terminal on the rear panel.
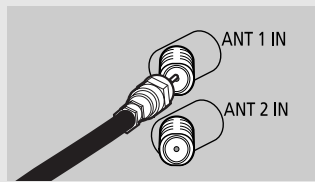
Connecting to a Cable Box that Descrambles Some Channels

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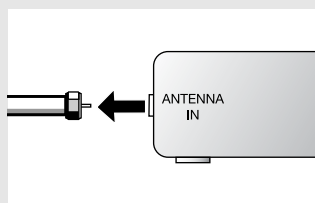
◄ This terminal might be labeled "ANT IN," "VHF IN," or simply, "IN."

2

Connect this cable to a two-way splitter.

3
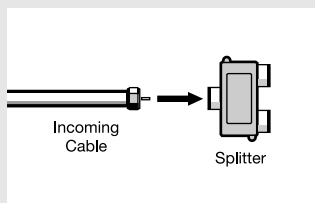
Connect a coaxial cable between an OUTPUT terminal on the splitter and the IN terminal on the cable box.
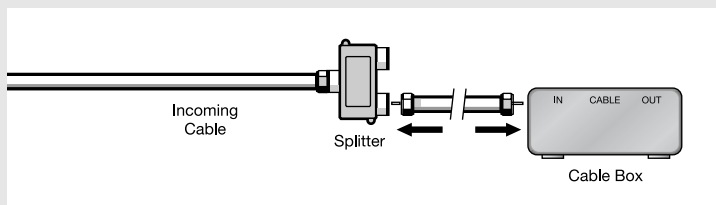
4

Connect a coaxial cable between the ANTENNA OUT terminal on the cable box and the B–IN terminal on the RF (A/B) switch.

Incoming Cable

Splitter

IN   CABLE   OUT

Cable Box

A
B
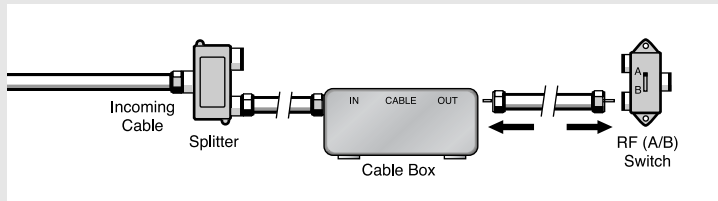
RF (A/B) Switch

5

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

Incoming Cable

Splitter

IN   CABLE   OUT

Cable Box

A
B
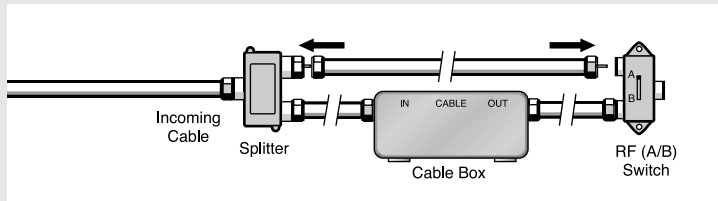
RF (A/B) Switch

6

Connect the last coaxial cable between the OUT terminal on the RF (A/B) switch and the ANT 1 IN or ANT 2 IN terminal on the rear panel.

Incoming Cable

Splitter

IN   CABLE   OUT

Cable Box

A
B

RF (A/B) Switch

ANT 1 IN

ANT 2 IN
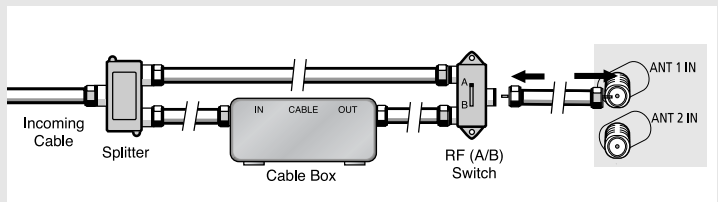
After you've made this connection, set the A/B switch to the "A" position for normal viewing. Set the A/B switch to the "B" position to view scrambled channels. (When you set the A/B switch to "B," you will need to tune your TV to the cable box's output channel, which is usually channel 3 or 4.)

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 14~17). Skip step **1** if you have not yet connected to an antenna or a cable system.

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

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

3
Connect a coaxial cable between the ANTENNA OUT terminal on the VCR and the antenna terminal on the TV.

4
Connect a set of audio cables between the AUDIO OUT jacks on the VCR and the AUDIO jacks (AV1~AV3) on the TV.

If you have a "mono" (non-stereo) VCR, use a Y-connector (not supplied) to hook up to the left and right audio input jacks of the TV. If your VCR is stereo, you must connect two cables.

5
Connect a video cable between the VIDEO OUT jack on the VCR and the VIDEO jack (AV1~AV3) on the TV.

Follow the instructions in "Viewing an External Signal Source" to view your VCR tape.

TV Rear Panel
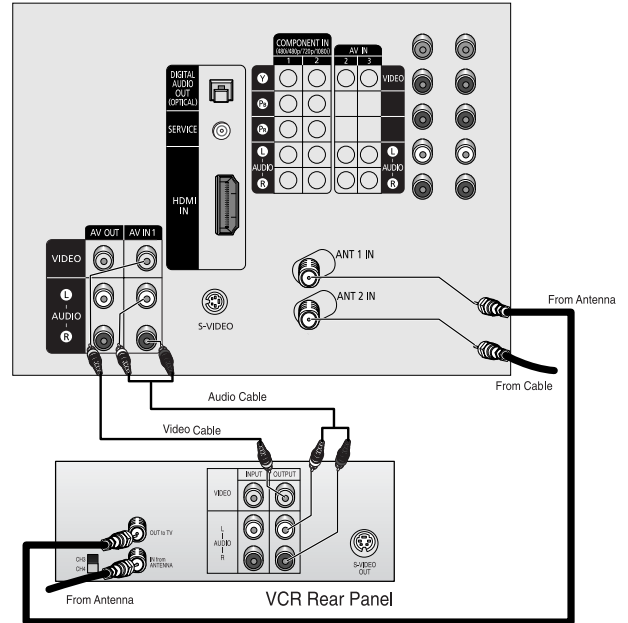
Ferrite Core

The ferrite core is used to attenuate undesired signals. When connecting cables, attach the ferrite core to the cable near the connector.

TV Rear Panel
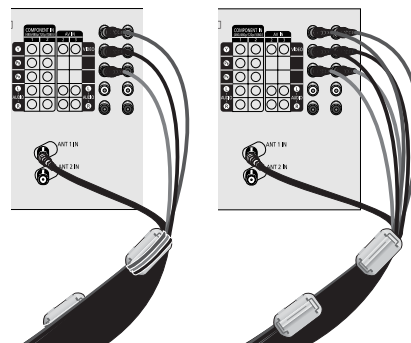
Connecting an S-VHS VCR

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

1

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

2

Connect a set of audio cables between the AUDIO OUT jacks on the VCR and the AUDIO IN 1 jacks on the TV.

3

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

TV Rear Panel

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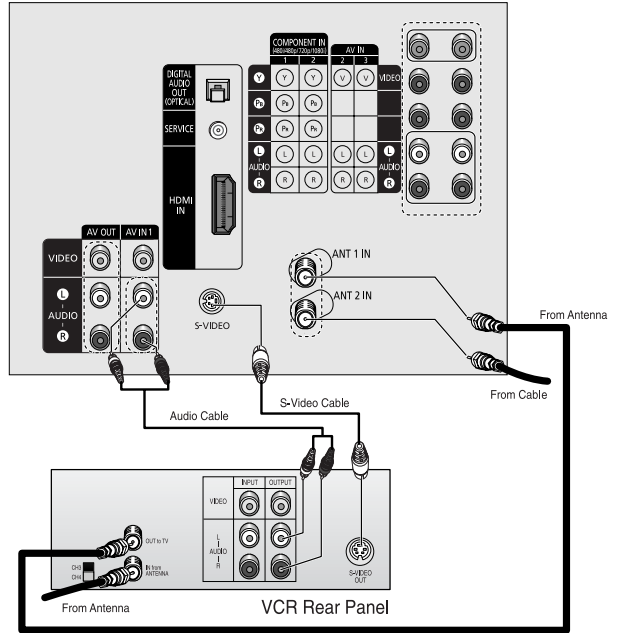
An S-video cable is usually included with an S-VHS VCR. (If not, check your local electronics store.)

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 AUDIO OUT jacks on the TV and the AUDIO IN jacks on the VCR. (The VCR input jacks might be either on the front or on back of the VCR.)

2

Connect a video cable between the VIDEO OUT 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
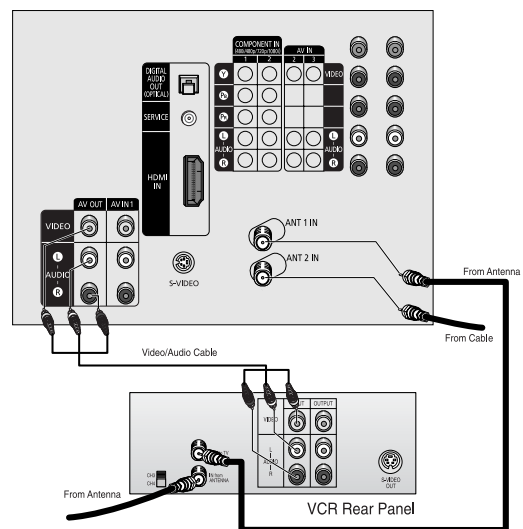
VCR Rear Panel

Connecting a DVD Player

Connecting to Y, PB, PR

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

TV Rear Panel

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

2
Connect a video cable between the COMPONENT 1 INPUT (Y, PB, PR) or COMPONENT 2 INPUT (Y, PB, PR) jacks on the TV and the DVD OUT (Y, PB, PR) jacks on the DVD player.

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

Video Cable   Audio Cable
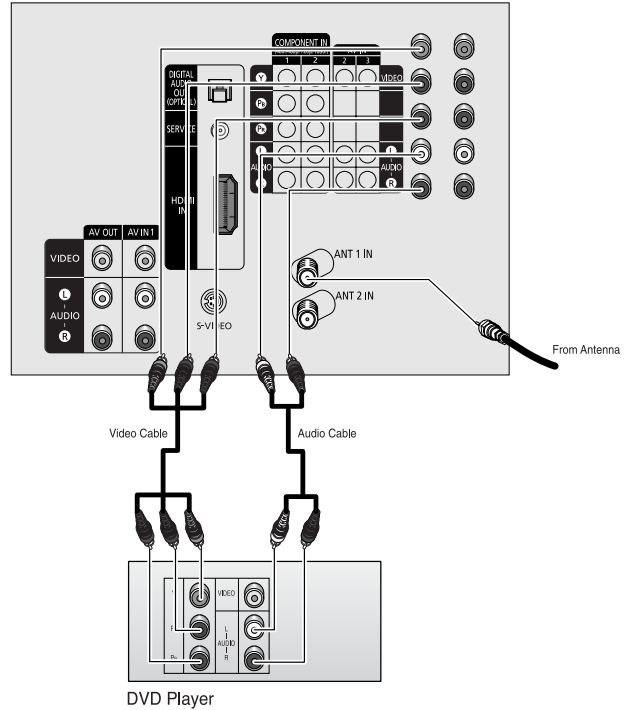
DVD Player

Connecting to Regular Audio and Video Jacks

TV Rear Panel

1
Connect a set of audio cables between the AUDIO IN jacks(AV1~AV3) on the TV and the AUDIO OUT jacks on the DVD player.

2
Connect video cables between the VIDEO OUT jack on the DVD player and the VIDEO IN jack(AV1~AV3) on the TV.

Audio Cable

Video Cable

DVD Player
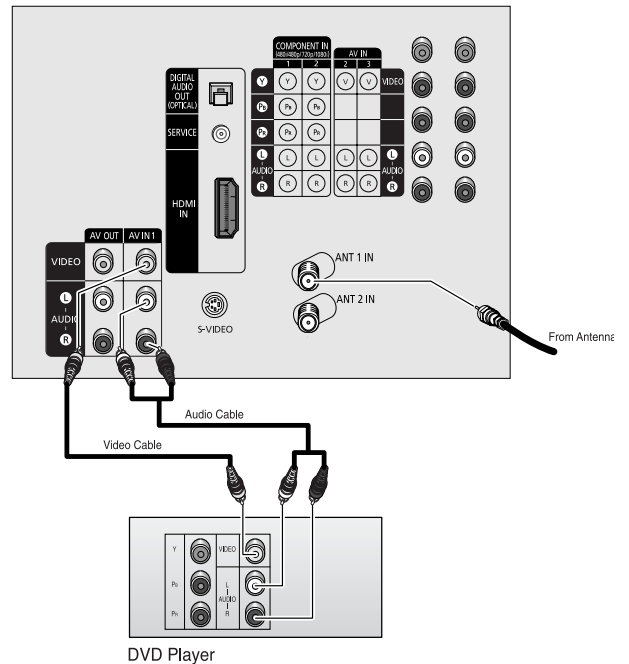
Connecting a Digital TV Set-Top Box (480p/720p/1080i)

Connecting to Y, P$_B$, P$_R$

Connect the Y, P$_B$, and P$_R$ video outputs of the set-top box to their corresponding inputs on the TV. Next, connect the Left and Right audio from the set-top box to the corresponding L and R terminals on the TV. (The connections for a typical set-top box are shown below.)

1
Connect a coaxial cable to the ANTEN-NA IN terminal on the Set-Top Box and the antenna terminal on the TV.

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

3
Connect a video cable between the COMPONENT 1 INPUT (Y, P$_B$, P$_R$) or COMPONENT 2 INPUT (Y, P$_B$, P$_R$) jacks on the TV and the VIDEO OUT (Y, P$_B$, P$_R$) jacks on the Set Top Box.

Note: For detailed information, refer to the Set Top Box instruction manual.

TV Rear Panel

Video Cable

Audio Cable

From Cable or Antenna
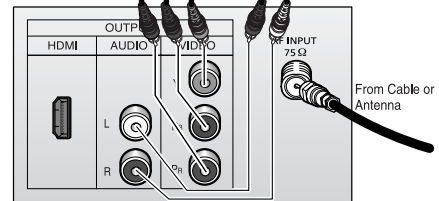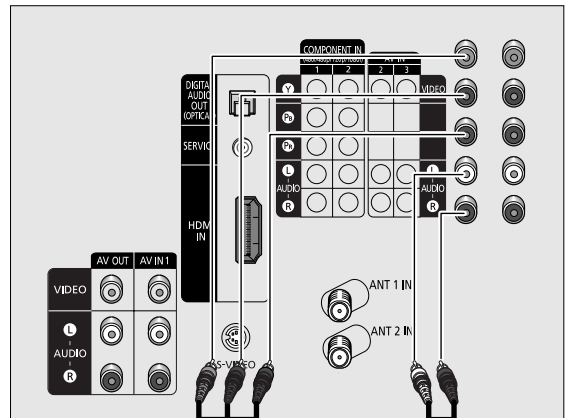
DTV Set-top Box

Connecting to HDMI(High Definition Multimedia Interface)

1

Connect a coaxial cable to the ANTEN-
NA IN terminal on the Set-Top Box and
the antenna terminal on the TV.

2

Connect in HDMI cable between the
HDMI IN jack on the TV and the HDMI
OUT jack on the Set Top Box.

3

Use a HDMI cable (commercially avail-
able) in order to digitally connect the TV
with a DTV Set-top box.

TV Rear Panel

HDMI Cable

OUTPUT

HDMI   AUDIO   VIDEO

RF INPUT
75Ω

From Cable or
Antenna
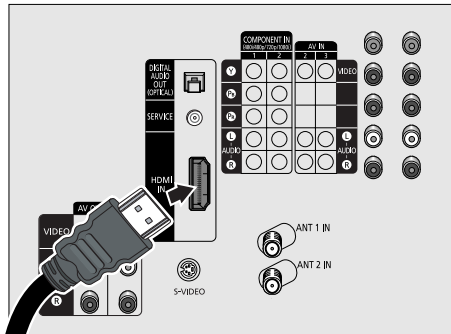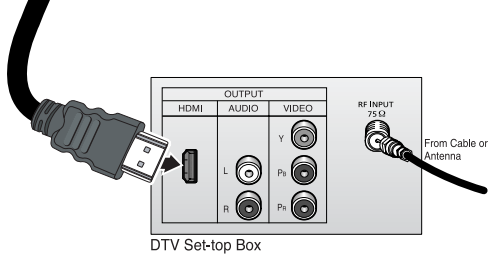
DTV Set-top Box

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. (Also see "Viewing an External Signal Source" on page 44).

1
Locate the A/V output jacks on the camcorder. They are usually found on the side or back of the camcorder.

2
Connect an audio cable between the AUDIO OUT jack on the camcorder and the AUDIO terminals on the TV.

3
Connect a video cable between the VIDEO OUT jack on the camcorder and the VIDEO(or S-VIDEO) terminal on the TV.

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
(MONO)
AVIN1
VIDEO
S-VIDEO

Audio Cable
OR
Video Cable
S-Video Cable

OUTPUT
AUDIO   VIDEO   S-VIDEO

Camcorder
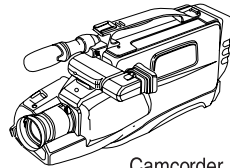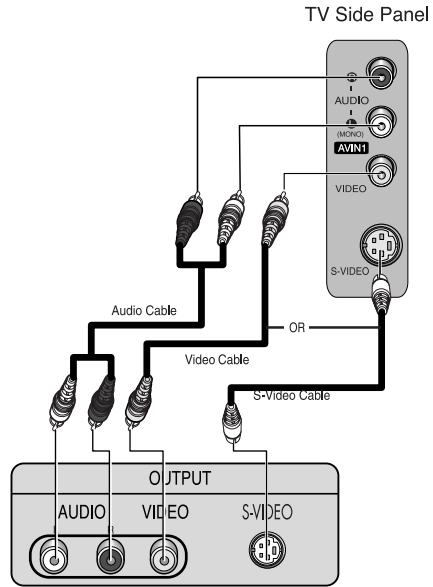
Connecting to a Digital Audio System

There are many types of audio systems on the market today.
A simplified illustration of an audio system is shown below. For more information, see your audio system owner's manual.

TV Rear Panel

1

If your system has an optical digital audio input, connect it to the OPTICAL OUT jack on the TV.

Be certain to remove the black cover from the optical output before inserting the cable.

2

If your system has a optical digital audio input, SAMSUNG recommends you use the optical digital output on the TV.
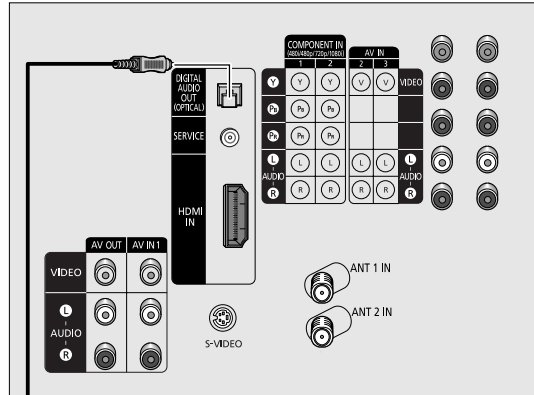
Digital Audio Rear Panel
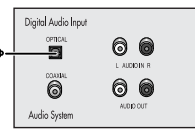
Connecting to an External Amplifier (Variable Audio Output)

TV Rear Panel

The "AUDIO OUT" terminals cannot be used for external speakers. You must hook them up to an amplifier.

When an audio amplifier is connected to the "AUDIO OUT" terminals: Decrease the gain (volume) of the audio amplifier, and adjust the volume level with the volume control on the TV.

Speaker A   Amplifier   Speaker B
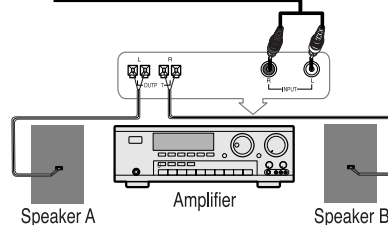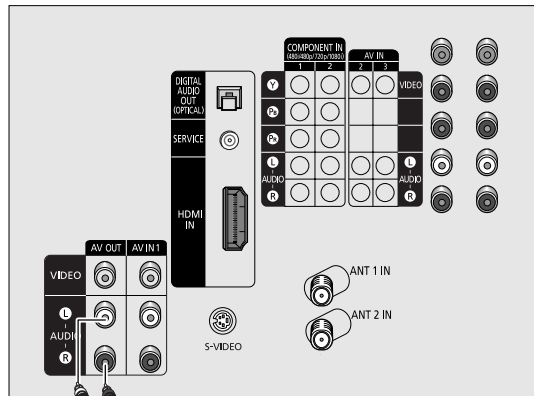
Installing Batteries in the Remote Control

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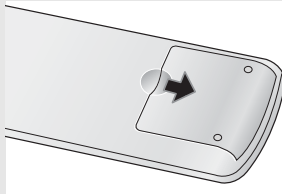
2
Install two AAA size
batteries.
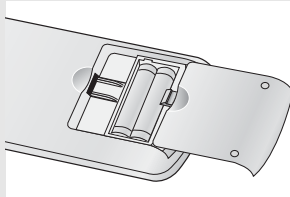
◄ Make sure to match the "+" and
"−" ends of the batteries with the
diagram inside the compartment.

3
Replace the cover.
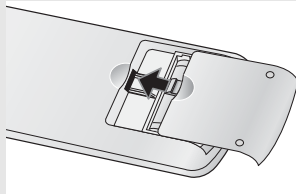
◄ Remove the batteries and store
them in a cool, dry place if you won't
be using the remote control for a
long time.

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

(Assuming typical TV usage,
the batteries last for about one year.)

Turning the TV On and Off

Press the **POWER** button.
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: Setting the language, Antenna input check, Channel Memorize and Time Setting.

Note : The Plug & Play function operates after plugging in the TV for the first time.

1

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

The message "Menu language, channels and Time will be set." is displayed.

Press the **ENTER** button, then "Select the language of the OSD" is automatically displayed.

> ℹ️ Menu language, channels, and Time will be set.
>
> **Start**
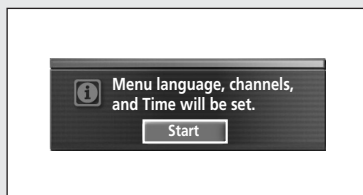
◀ Plug & Play feature doesn't work in the AV mode.

2

Press the **ENTER** button to enter the language.
Press the ▲ or ▼ button to select language, then the **ENTER** button.
"Select the antennas to memorize." is automatically displayed.

> **Plug & Play**
>
> Select the language of the OSD.
>
> Language : English
> Spanish
> French
>
> ⇕ Move   ⏎ Enter   ⊞ Skip
>
> Selects English as the menu language.

3

Press the ▲ or ▼ button to memorize the channels of the selected connection. Press the **ENTER** button to select "Start".

When selecting Cable TV :
Press the ▲ or ▼ button to select "Cable", then press the **ENTER** button.
Press the ▲ or ▼ button to select "STD", "HRC", or "IRC", then press the **ENTER** button.
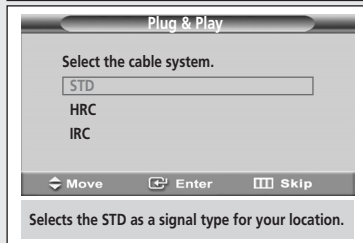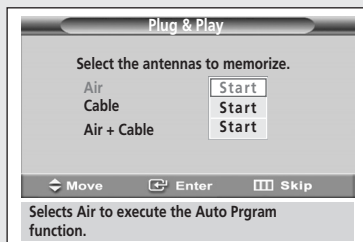
> **Plug & Play**
>
> Select the antennas to memorize.
> Air   **Start**
> Cable   **Start**
> Air + Cable **Start**
>
> ⇕ Move   ⏎ Enter   ⊞ Skip
>
> Selects Air to execute the Auto Prgram function.

> **Plug & Play**
>
> Select the cable system.
> STD
> HRC
> IRC
>
> ⇕ Move   ⏎ Enter   ⊞ Skip
>
> Selects the STD as a signal type for your location.

◀ 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.

continued...

4

The TV will begin memorizing all of the available channels.

After all the available channels are stored, the "Auto Program" menu reappears. Press the **MENU** button when channel memorization is complete.

"Set to daylight savings time." is automatically displayed.

> **Auto Program**
> **Channel Memory in Process**
> ▭▭▭▭▭ **TV Channel 15**
> **Stop**
> ↵ Enter   ▥ Skip

> **Auto Program**
> **Stop**
> **7 Channels were memorized.**
> **Air (ANT 9) : 9, Cable : 30**
> **Next**
> ▥ Skip

5

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

"Select your time zone in which you live." is automatically displayed.

> **Plug & Play**
> **Set to daylight savings time.**
> **Daylight Savings Time :** Off
> On
> ◆ Move   ↵ Enter   ▥ Skip
> **Switched the DST function on.**

6
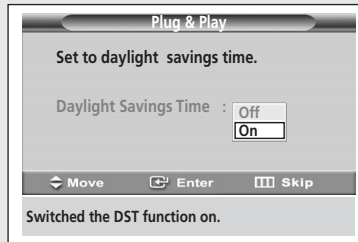
Press the ▲ or ▼ button to highlight the time zone for your local area (and to move the highlight to the appropriate time zone on the map of the United States). Press the **ENTER** button.

That's it. If you have received a digital signal, the time will be set automatically. If not, see page 44 to set the clock.

> **Plug & Play**
> **Select your time zone in which you live.**
> Atlantic
> Eastern
> Central   Alaska   Atlantic
> Mountain
> Pacific   Pacific   Central
> Alaska   Mountain   Eastern
> Hawaii   Hawaii
> ◆ Move   ↵ Enter   ▥ Skip
> **Select the Central if you locate In the region.**

7

The message "Completed. Time will be updated automatically." is displayed. When you have finished, press the **ENTER** button.

> ℹ **Completed. Time will be updated automatically.**
> **OK**
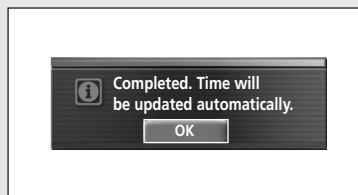
Viewing the Menus and On-Screen Displays

Viewing the Menus

1

With the power on, press the **MENU** button.
The "Input" menu appears on the screen.
Its left side has six icons: Input, Picture, Sound, Channel, Setup and Guide.
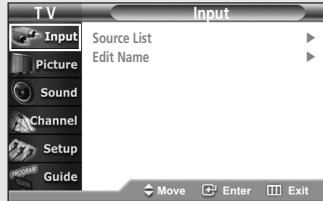
Press the ◄ or ► button to select one of six icons. Then press the **ENTER** button to access the icon's sub-menu.

T V	Input	
Input	Source List	►
Picture	Edit Name	►
Sound		
Channel		
Setup		
Guide		
	‡ Move ⊡ Enter ▥ Exit	

2

Press the ▲ or ▼ button to move to items in the menu (The icon is selected.).
Press the **ENTER** or ► button to enter items in the menu. Press the ▲/▼/◄/► button to change the selected items. Press the **MENU** or ◄ button to return to the previous menu.

T V	Input	
Input	Source List	►
Picture	Edit Name	►
Sound		
Channel		
Setup		
Guide		
	‡ Move ⊡ Enter ▥ Return	
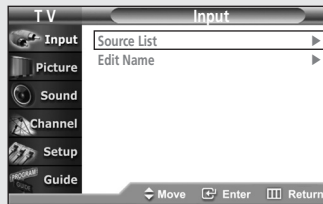
◄ You can also use the **MENU**, **CH⌃/⌄**, **VOL+/−**, and ⊡ (**ENTER**) buttons on the control panel of the TV to make selections.

3

Press the **EXIT** button to exit.

Viewing the Display

The display identifies the current channel and the status of certain audio-video settings.

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.

TV11
Mono
Picture Mode : Dynamic
Sound Mode : Custom
MTS : Mono
12 : 00 am
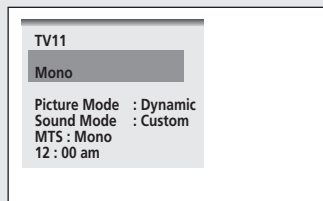
Selecting a Menu Language

1

Press the **MENU** button.

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

TV	Setup		
Input	Plug & Play		▶
Picture	Language	: English	▶
Sound	Time		▶
	V-Chip		▶
Channel	Caption		▶
Setup	Menu Transparency	: Normal	▶
Guide	Function Help	: Off	▶

‡ Move   Enter   Exit

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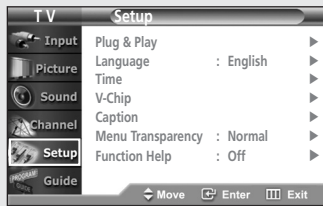
Press the ▲ or ▼ button to select "Language", then press the **ENTER** button.

TV	Setup		
Input	Plug & Play		▶
Picture	Language	: English	▶
Sound	Time		▶
	V-Chip		▶
Channel	Caption		▶
Setup	Menu Transparency	: Normal	▶
Guide	Function Help	: Off	▶

‡ Move   Enter   Return

3

Press the ▲ or ▼ button to select "English", "Spanish", or "French", then press the **ENTER** button.

Press the **EXIT** button to exit.

TV	Setup		
Input	Plug & Play		
Picture	Language	English	English
Sound	Time	Spanish	
	V-Chip	French	
Channel	Caption		
Setup	Menu Transparency	: Normal	
Guide	Function Help	: Off	

‡ Move   Enter   Return

Selecting the Antenna Input

You can connect two different signal sources by choosing the antenna input (Air or Cable).

1

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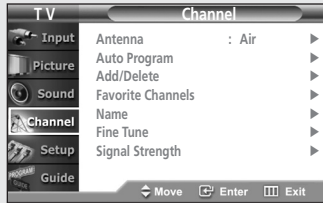
Press the ▲ or ▼ button to select "Channel", then press the **ENTER** button.

T V	Channel
Input	Antenna : Air ▶
Picture	Auto Program ▶
Sound	Add/Delete ▶
Channel	Favorite Channels ▶
Setup	Name ▶
Guide	Fine Tune ▶
	Signal Strength ▶
	◆ Move ⏎ Enter ▥ Exit

2

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

T V	Channel
Input	Antenna : Air ▶
Picture	Auto Program ▶
Sound	Add/Delete ▶
Channel	Favorite Channels ▶
Setup	Name ▶
Guide	Fine Tune ▶
	Signal Strength ▶
	◆ Move ⏎ Enter ▥ Return

3

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

Press the **EXIT** button to exit.

T V	Channel
Input	Antenna : Air
Picture	Auto Program Cable
Sound	Add/Delete
Channel	Favorite Channels
Setup	Name
Guide	Fine Tune
	Signal Strength
	◆ Move ⏎ Enter ▥ Return
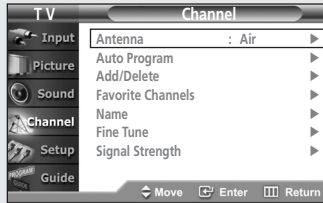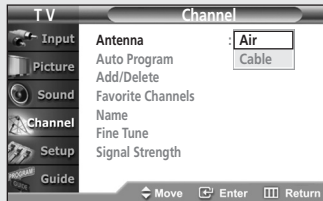
Alternate method:
Press the **ANTENNA** button repeatedly to select "Air" or "Cable".

TV 3
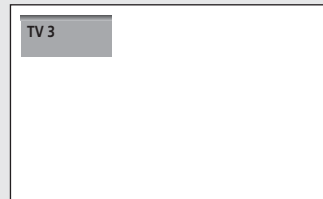
Memorizing the Channels

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

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.

TV	Channel
Input	Antenna : Air ▶
Picture	Auto Program ▶
Sound	Add/Delete ▶
	Favorite Channels ▶
Channel	Name ▶
Setup	Fine Tune ▶
Guide	Signal Strength ▶
	⬍ Move ⊕ Enter ▥ Exit

2
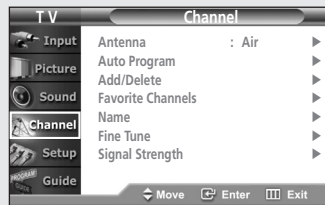
Press the **ENTER** button to select "Antenna".

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

TV	Channel
Input	**Antenna** : Air
Picture	Auto Program Cable
Sound	Add/Delete
Channel	Favorite Channels
Setup	Name
Guide	Fine Tune
	Signal Strength
	⬍ Move ⊕ Enter ▥ Return

3
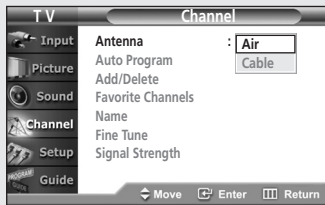
Press the ▲ or ▼ button to select "Auto Program", then press the **ENTER** button.

TV	Channel
Input	Antenna : Air ▶
Picture	Auto Program ▶
Sound	Add/Delete ▶
	Favorite Channels ▶
Channel	Name ▶
Setup	Fine Tune ▶
Guide	Signal Strength ▶
	⬍ Move ⊕ Enter ▥ Return
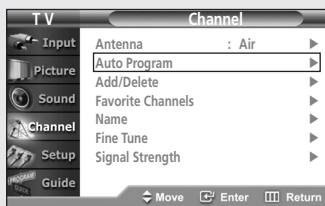
Alternate method:
Press the **AUTO. PROG** button on the remote control to select the Auto Program.

TV	Auto Program
Input	Select the antenna connection
Picture	**ANT A ANT B**
Sound	Air None ANT A
	Cable None
Channel	Air Cable ANT B
Setup	Cable Air
Guide	⬍ Move ⊕ Enter ▥ Return

4
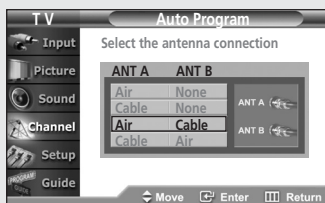
Press the ▲ or ▼ button to select antenna connection, then press the **ENTER** button.

When selecting the Cable TV system:
Press the ▲ or ▼ button to select "Cable", then press the **ENTER** button.
Press the ▲ or ▼ button to cycle through these choices: "STD", "HRC", or "IRC", then press the **ENTER** button.

TV — Auto Program
Input   Select the antenna connection
Picture
ANT A   ANT B
Sound   Air   None   ANT A
         Cable   None
Channel **Air** **Cable** ANT B
         Cable   Air
Setup
Guide
         ◆ Move   ⊕ Enter   ▥ Return
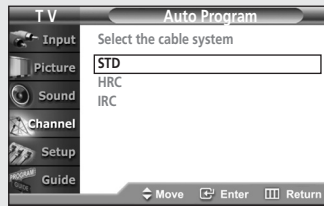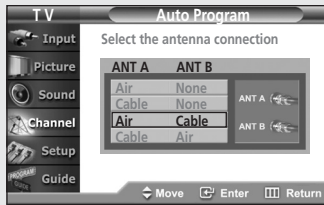
Air	None	ANT A : Air
Cable	None	ANT A : Cable
Air	Cable	ANT A : Air, ANT B : Cable
Cable	Air	ANT A : Cable, ANT B : Air

TV — Auto Program
Input   Select the cable system
Picture STD
Sound   HRC
         IRC
Channel
Setup
Guide
         ◆ Move   ⊕ Enter   ▥ Return

◀ 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.
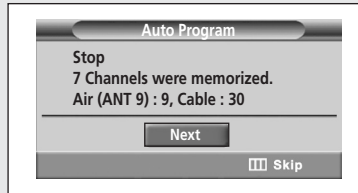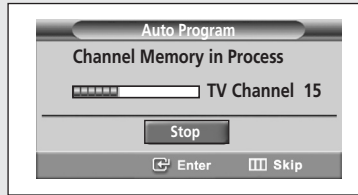
Storing Channels in Memory

5

Press the ▲ or ▼ button to select the antenna to memorize, then press the **ENTER** button to select "Start".
The TV will begin memorizing all of the available channels.

TV — Auto Program
Input   Adopts QAM for transmission
Picture Yes
Sound   No
Channel
Setup
Guide
         ◆ Move   ⊕ Enter   ▥ Return

TV — Auto Program
Input   Select the antennas to memorize
Picture
         ANT A + ANT B   Start
Sound   ANT A   Start
         ANT B   Start
Channel
Setup
Guide
         ◆ Move   ⊕ Enter   ▥ Return
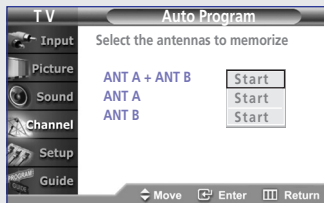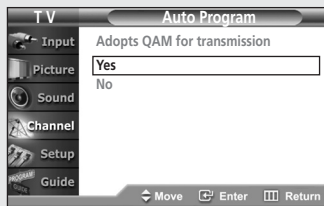
6

Press the **ENTER** button when channel memorization is completed. After pressing **ENTER**, it returns to the Channel menu.

Press the **EXIT** button to exit.

Auto Program
Channel Memory in Process
▭▭▭▭▭   CATV Channel 15
         Stop

Auto Program
Stop
16 channel were memorized
Air(ANT A) : 7, Cable(ANT B) : 9
                    Return
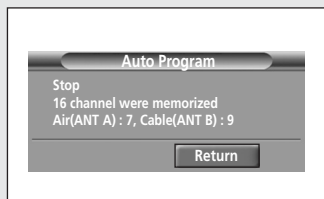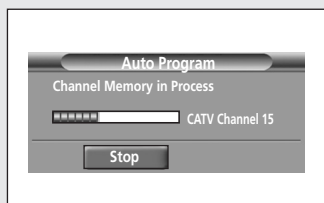
◀ Press the ENTER button at any time to interrupt the memorization process and return to the Channel menu.
◀ Note: The TV must be connected to an antenna in order to receive digital TV signals.
Even if a particular channel is deleted from the memory, you can always tune to that channel directly by using the number buttons on the remote control.
◀ Note: When Receiving a Digital Cable Signal : If your cable service signal does not comply with the ATSC(Advanced Television System Committee) requirements, this product may not operate properly.

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.

TV	Channel		
Input	Antenna	: Air	▶
Picture	Auto Program		▶
Sound	Add/Delete		▶
	Favorite Channels		▶
Channel	Name		▶
Setup	Fine Tune		▶
Guide	Signal Strength		▶
	⬍ Move ⏎ Enter ⯐ Exit		

2

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

TV	Channel		
Input	Antenna	: Air	▶
Picture	Auto Program		▶
	Add/Delete		▶
Sound	Favorite Channels		▶
Channel	Name		▶
Setup	Fine Tune		▶
Guide	Signal Strength		▶
	⬍ Move ⏎ Enter ⯐ Return		
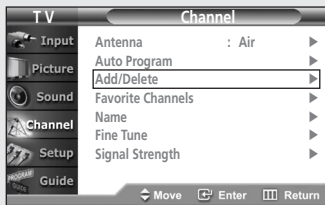
3

Repeatedly pressing the **ENTER** button will alternate between add channel and delete channel.

Press the number buttons (or CH ⋀/⋁ buttons) to switch to the appropriate channel, then repeat above.

Press the **EXIT** button to exit.

Add/Delete

Channel 11-0 **Not In Memory**

Press ENTER to add the channel

Add

⟳ CH Move   ⏎ Save   ⯐ Return

<Add channel>

Add/Delete

Channel 11-0 **In Memory**

Press ENTER to delete the channel

Delete

⟳ CH Move   ⏎ Save   ⯐ Return

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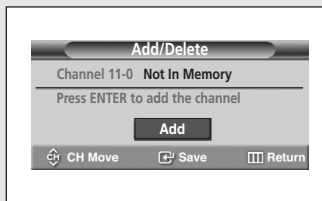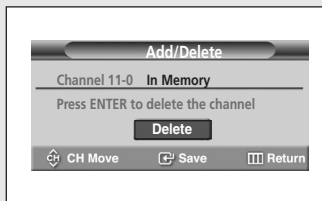
Alternate method:
Simply press the **ADD/DEL** button on the remote control to add channels that were not memorized or to delete unwanted channels from memory.

Add/Delete

Channel 11-0 **In Memory**

Press ENTER to delete the channel

Delete

⟳ CH Move   ⏎ Save   ⯐ Return
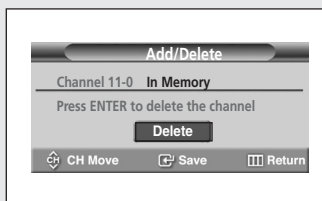
Changing Channels

Using the Channel Buttons

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

When you press **CH**∧ or **CH**∨, 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 "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 "+100", then "2", then "2".)

To change to single-digit channels (0–9) faster, press "0" before the single digit. (For channel "4", press "0", then "4".)

Using the PRE-CH Button to Select the Previous Channel

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

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

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.

TV	Channel	
Input	Antenna : Air	▶
Picture	Auto Program	▶
	Add/Delete	▶
Sound	Favorite Channels	▶
	Name	▶
Channel	Fine Tune	▶
Setup	Signal Strength	▶
Guide		

♦ Move   Enter   Exit

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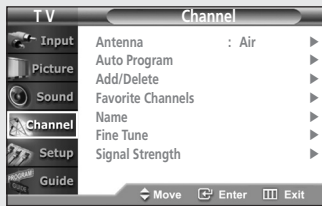
Press the ▲ or ▼ button to select "Favorite Channels", then press the **ENTER** button.

TV	Channel	
Input	Antenna : Air	▶
Picture	Auto Program	▶
	Add/Delete	▶
Sound	Favorite Channels	▶
	Name	▶
Channel	Fine Tune	▶
Setup	Signal Strength	▶
Guide		

♦ Move   Enter   Return

3
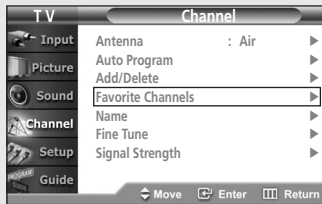
Press the ▲ or ▼ button to select a channel as a favorite channel, then press the **ENTER** button.
Press the **ENTER** button again to deselect the selected channel.

Press the **EXIT** button to exit.

TV	Favorite Channels	
Input		
Picture	TV 6 ✔	Select All
	TV 7	
Sound	TV 9 ✔	Clear All
	TV 11	
Channel	TV 13	
Setup	TV 14	
Guide	TV 16	

Move   Enter   Return
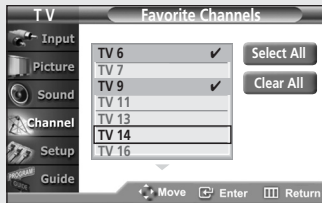
◀ Only memorized channels can be set as Favorite Channels.

◀ Select All : Press to select all channels.
Clear All : Press to clear all channels.

To View Your Favorite Channels:

Press the **FAV.CH** button on the remote control repeatedly to jump from one favorite channel to another.
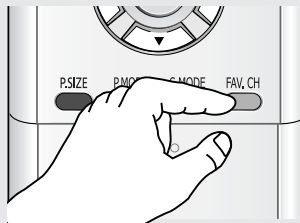
Analog **Labeling the Channels**

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.

T V	Channel
Input	Antenna : Air ▶
Picture	Auto Program ▶
Sound	Add/Delete ▶
	Favorite Channels ▶
Channel	Name ▶
Setup	Fine Tune ▶
Guide	Signal Strength ▶
	◆ Move ↵ Enter ▥ Exit

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

T V	Channel
Input	Antenna : Air ▶
Picture	Auto Program ▶
Sound	Add/Delete ▶
	Favorite Channels ▶
Channel	Name ▶
Setup	Fine Tune ▶
Guide	Signal Strength ▶
	◆ Move ↵ Enter ▥ Return
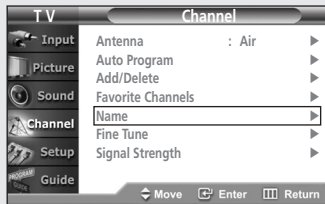
4
Press the **ENTER** button again. (Each label has five fields).

Press the ▲ or ▼ button to select a letter, a number or a blank. (Results in this sequence: A…Z, blank, /, 0 … 9.)

T V	Name
Input	
Picture	TV 1 P Clear
Sound	TV 2 Clear OK
Channel	TV 9 Clear
Setup	CATV 21 Clear
Guide	CATV 120 Clear
	⊹ Move ↵ Enter ▥ Return
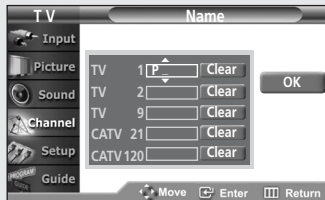
5
Press the ▶ button to switch to the next field, which will be selected.
Select a second letter or digit by pressing the ▲ or ▼ button, as above.
Repeat the process to select the last three digits.

Press the **EXIT** button to exit.

T V	Name
Input	
Picture	TV 1 PBS12 Clear
Sound	TV 2 Clear OK
Channel	TV 9 Clear
Setup	CATV 21 Clear
Guide	CATV 120 Clear
	⊹ Move ↵ Enter ▥ Return
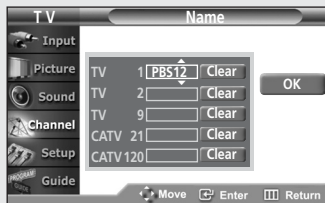
Notes

- Only analog TV channels can be labelled.
- If you add or delete the TV channel, the labelled channels list will also be added or deleted.

Picture Control

You can use the on-screen menus to change the contrast, brightness, sharpness, color and tint according to personal preference.

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 pressing **P.MODE** (or by making a selection from the menu). Or, you can select "Custom" which automatically recalls your personalized picture settings.

1
Press the **MENU** button.

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

T V	Picture	
Input	Mode	: Dynamic ▶
Picture	Size	: 16:9 ▶
Sound	Tilt	▶
Channel		
Setup		
Guide		
	◆ Move ⊞ Enter Ⅲ Exit	

2
Press the **ENTER** button to select "Mode".
Press the **ENTER** button again.

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

Press the **EXIT** button to exit.

T V	Custom	
Input	Mode	: Dynamic
Picture	Contrast	Standard
Sound	Brightness	Movie
Channel	Sharpness	Custom
Setup	Color	50
Guide	Tint G50	R50
	Color Tone	: Cool 1
	Reset	
	◆ Move ⊞ Enter Ⅲ Return	
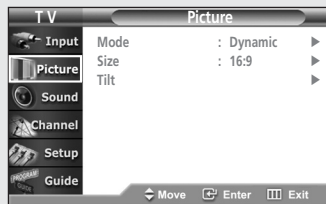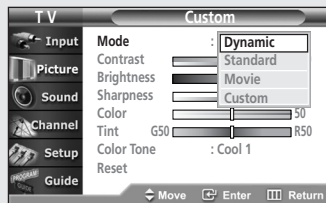
Alternate method:
Simply press the **P.MODE** button on the remote control to select one of the standard picture settings.

Dynamic

- 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.

Customizing the Picture

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

1

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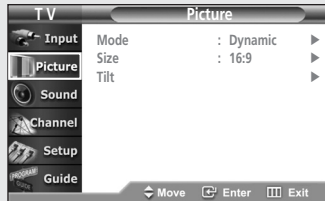
Press the ▲ or ▼ button to select "Picture", then press the **ENTER** button.

TV	Picture	
Input	Mode	: Dynamic ▶
Picture	Size	: 16:9 ▶
Sound	Tilt	▶
Channel		
Setup		
Guide		
	◆ Move ⊞ Enter ▥ Exit	

2

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

Press the ▲ or ▼ button to select a particular item ("Dynamic", "Standard", "Movie, or "Custom"), then press the **ENTER** button.

TV	Custom	
Input	Mode :	Dynamic
Picture	Contrast	Standard
Sound	Brightness	Movie
	Sharpness	Custom
Channel	Color	50
Setup	Tint G50	R50
Guide	Color Tone : Cool 1	
	Reset	
	◆ Move ⊞ Enter ▥ Return	

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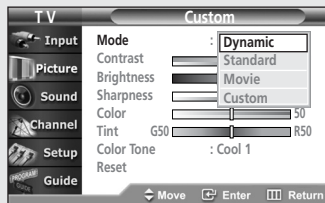
Press the ▲ or ▼ button to select a particular item ("Contrast", "Brightness", "Sharpness", "Color", or "Tint"), then press the **ENTER** button.

TV	Custom	
Input	Mode : Dynamic	▶
Picture	Contrast	100
Sound	Brightness	45
	Sharpness	75
Channel	Color	50
Setup	Tint G50	R50
Guide	Color Tone : Normal	▶
	Reset	
	◆ Move ⊞ Enter ▥ Return	

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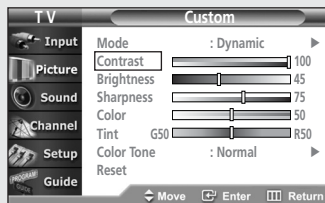
Press the ◄ or ► button to increase or decrease the value of a particular item.

Press the ▲ or ▼ button to select other items.

When you have finished, press the **ENTER** button.

Contrast   80

5

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

Press the ▲ or ▼ button to select a particular item ("Cool 2", "Cool 1", "Normal", "Warm 1", or "Warm 2"), then press the **ENTER** button.

TV	Custom
Input	Mode : Dynamic
Picture	Contrast ▭ 100
Sound	Brightness ▭ 45
Channel	Sharpness ▭ Cool 2
	Color ▭ **Cool 1**
Setup	Tint G50 ▭ Normal
	Color Tone : Warm 1
Guide	Reset Warm 2
	◆ Move ↵ Enter ⊞ Return
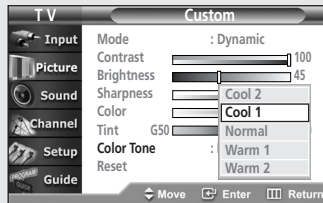
Resetting the Picture Settings to the Factory Defaults

6

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

The reset function is set for each mode ("Dynamic", "Standard", "Movie", or "Custom").

The previously adjusted settings will be reset to the factory defaults.

TV	Custom
Input	Mode : Dynamic ▶
Picture	Contrast ▭ 100
Sound	Brightness ▭ 45
Channel	Sharpness ▭ 75
	Color ▭ 50
Setup	Tint G50 ▭ R50
	Color Tone : Normal
Guide	Reset ▶
	◆ Move ↵ Enter ⊞ Return
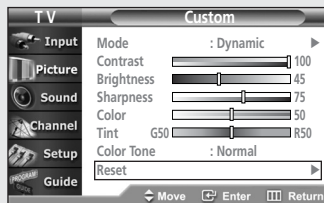
Sound Control

Adjusting the Volume

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

Using Mute

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

1
Press the **MUTE** button and the sound cuts off.
The "MUTE" is displayed.

MUTE

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

Customizing the Sound

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

1
Press the **MENU** button.

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

TV	Sound	
Input	Mode : Custom	▶
Picture	Equalizer	▶
Sound	Multi-Track Options	▶
	Auto Volume : Off	▶
Channel	Digital Output : Dolby Digital	▶
Setup	BBE : On	▶
Guide	◆ Move Enter Exit	
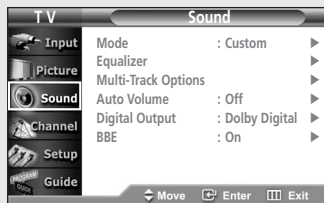
2
Press the ▲ or ▼ button to select "Equalizer", then press the **ENTER** button.

TV	Sound	
Input	Mode : Custom	▶
Picture	Equalizer	▶
Sound	Multi-Track Options	▶
	Auto Volume : Off	▶
Channel	Digital Output : Dolby Digital	▶
Setup	BBE : On	▶
Guide	◆ Move Enter Return	
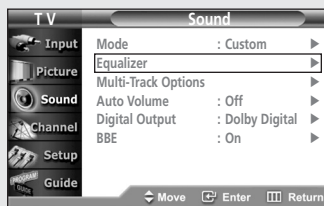
3
Press the ◀ or ▶ button to select a particular item to be changed.

Press the ▲ or ▼ button to increase or decrease the value of a particular item.

Press the **EXIT** button to exit.

TV	Equalizer	
Input	L 50 0 0 0 0 0	
Picture		
Sound		
Channel		
Setup	R 50	
Guide	100Hz 300Hz 1K 3K 10K	
	▶ Move ◆ Adjust Return	

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.

TV	Sound
Input	Mode : Custom ▶
Picture	Equalizer ▶
	Multi-Track Options ▶
Sound	Auto Volume : Off ▶
Channel	Digital Output : Dolby Digital ▶
Setup	BBE : On ▶
Guide	◆ Move ⊞ Enter Ⅲ Exit

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.

TV	Sound
Input	Mode : Standard / Music / Movie / Speech / Custom
Picture	Equalizer
Sound	Multi-Track Options
Channel	Auto Volume :
Setup	Digital Output :
Guide	BBE : On
	◆ Move ⊞ Enter Ⅲ Return
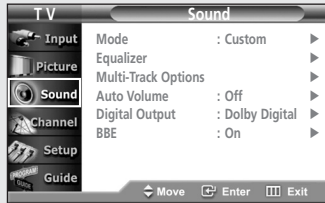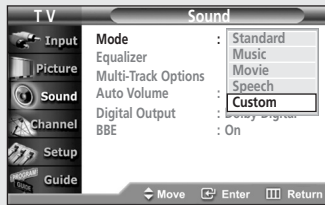
Alternate method:
Press the **S.MODE** button on the remote control repeatedly to select one of the standard sound settings.

Custom

- 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.

Setting the Clock

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

Option 1: Setting the Clock Manually

1

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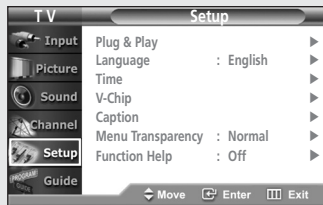
Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
	Time	▶
Sound	V-Chip	▶
Channel	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	✦ Move ⏎ Enter ⎕ Exit	

2

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

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
	Time	▶
Sound	V-Chip	▶
Channel	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	✦ Move ⏎ Enter ⎕ Return	

3

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

TV	Time	
Input	--/--/----/--:-- --	
Picture	Clock	▶
Sound	Sleep Timer : Off	▶
Channel	On Timer : Inactivated	▶
Setup	Off Timer : Inactivated	▶
Guide		
	✦ Move ⏎ Enter ⎕ Return	

4
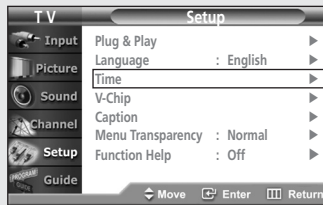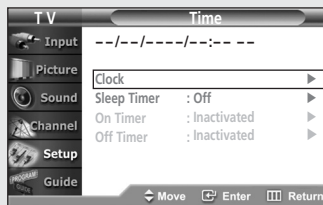
Press the **ENTER** button to select "Clock Mode".

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

TV	Clock	
Input	Clock Mode :	Manual
Picture	Clock Set	Auto
Sound	Time Zone : Eastern	
	DST : No	
Channel		
Setup		
Guide		
	✦ Move ⏎ Enter ⎕ Return	

5
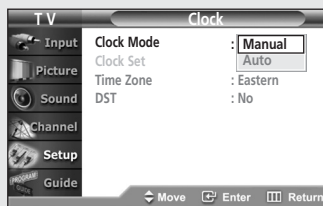
Press the ▲ or ▼ button to select "Clock Set", then press the **ENTER** button.

TV	Clock	
Input	Clock Mode : Manual	▶
Picture	Clock Set	▶
Sound	Time Zone : Eastern	▶
	DST : No	▶
Channel		
Setup		
Guide		
	✦ Move ⏎ Enter ⎕ Return	

6
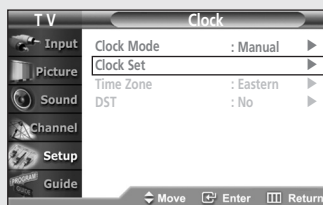
Press the ◀ or ▶ button to move to "Month", "Day", "Year", "Hour", "Minute", or "am/pm". Set the date and time you want by pressing the ▲ or ▼ button, then press the **ENTER** button.

Press the **EXIT** button to exit.

TV	Clock Set
Input	Set current date and time.
Picture	Month Day Year
Sound	02 10 2003
Channel	Hour Minute am/pm
Setup	03 43 pm
Guide	▶ Move ⬍ Adjust ▥ Return
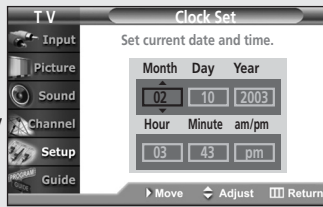
◀ The current time will appear every time you press the **INFO** button.

◀ You can set the Month, Day, Year, Hour, and Minute directly by pressing the number buttons on the remote control.

English - 43

Option 2: 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.

	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
Channel	V-Chip	▶
Setup	Caption	▶
Guide	Menu Transparency : Normal	▶
	Function Help : Off	▶

♦ Move Enter Exit

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

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
Channel	V-Chip	▶
Setup	Caption	▶
Guide	Menu Transparency : Normal	▶
	Function Help : Off	▶

♦ Move Enter Return

3
Press the **ENTER** button to select "Clock".

TV	Time	
Input	--/--/----/--:-- --	
Picture	Clock	▶
Sound	Sleep Timer : Off	▶
Channel	On Timer : Inactivated	▶
Setup	Off Timer : Inactivated	▶
Guide		

♦ Move Enter Return

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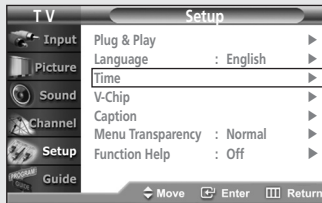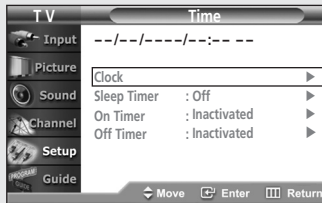
Press the ▲ or ▼ button to select "Auto", then press the **ENTER** button.

TV	Clock	
Input	Clock Mode :	Manual
Picture	Clock Set	Auto
Sound	Time Zone : Eastern	
Channel	DST : No	
Setup		
Guide		

♦ Move Enter Return
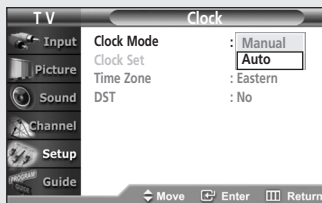
5
Press the ▲ or ▼ button to select "Time Zone", then press the **ENTER** button.

TV	Clock	
Input	Clock Mode : Auto	▶
Picture	Clock Set	▶
Sound	Time Zone : Eastern	▶
Channel	DST : No	▶
Setup		
Guide		

♦ Move Enter Return
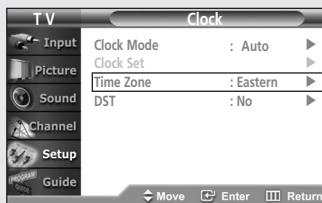
Note
• Certain broadcasts may not transmit the correct time. In this case, set the time manually.

6

Press the ▲ or ▼ button to select the time zone for your local area (and to move highlight to the appropriate time zone on the map of the United States).
Press the **ENTER** button.
The time will be set automatically.

TV	Time Zone
Input	Select the time zone in which you live
Picture	Atlantic
Sound	**Eastern**
Channel	Central
Setup	Mountain
Guide	pacific / Alaska / Hawaii

◆ 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 use "Manual Time Setup".

7

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

Press the ▲ or ▼ button to select "No" or "Yes", then press the **ENTER** button.

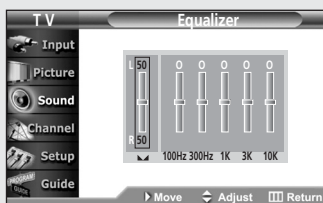Press the **EXIT** button to exit.

TV	Clock
Input	Clock Mode : Auto
Picture	Clock Set
Sound	Time Zone : Eastern
Channel	DST : Yes / No
Setup	
Guide	

◆ Move Enter Return
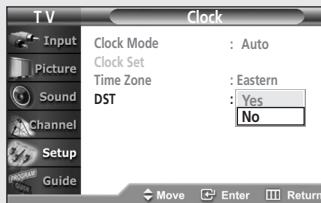
Viewing an External Signal Source

Use the remote control to switch between viewing signals from connected equipment, such a 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	▶
Picture	Edit Name	▶
Sound		
Channel		
Setup		
Guide		
	◆ Move ⏎ Enter ▥ Exit	
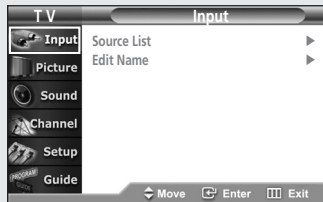
2
Press the **ENTER** button to select "Source List".

T V	Input	
Input	Source List	▶
Picture	Edit Name	▶
Sound		
Channel		
Setup		
Guide		
	◆ Move ⏎ Enter ▥ Return	
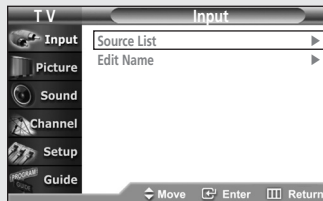
3
Press the ▲ or ▼ button to select signal source, then press the **ENTER** button

T V	Source List	
Input	TV	
Picture	Video1	: - - - -
Sound	Video2	: - - - -
	Video3	: - - - -
Channel	S-Video	: - - - -
Setup	Component 1	: - - - -
Guide	▼ More	
	◆ Move ⏎ Enter ▥ Return	
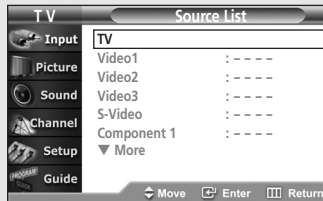
When you connect equipment to the TV, you can choose between the following sets of jacks : Video 1, S-Video on the TV's side panel or Video 1, Video 2, Video 3, S-Video, Component 1, Component 2 or HDMI on the TV's rear panel.

Alternate method:
Simply press the **TV/VIDEO** or **TV/COMP.** button on the remote control to select an External Signal Source.

TV/VIDEO : Video 1, Video 2, Video 3, S-Video.
TV/COMP. : Component 1, Component 2, HDMI.

Video1

HDMI
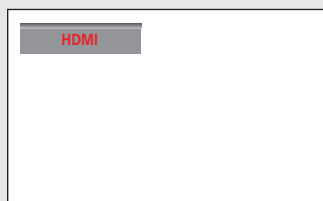
Assigning Names to External Input Mode

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

1

Press the **MENU** button.

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

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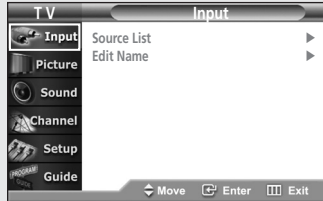
Press the ▲ or ▼ button to select "Edit Name", then press the **ENTER** button.

3
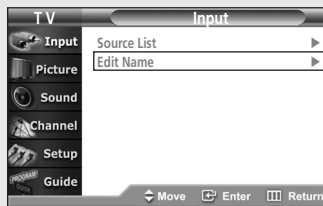
Press the **ENTER** button. Press the ▲ or ▼ button to select the external device: VCR, DVD, D-VHS, Cable STB, HD STB, Satellite STB, PVR STB, AV Receiver, DVD Receiver, GAME, Camcorder, Combo, PC, VOD STB, TV.

Set other signal sources (Video2, Video3, S-Video, Component1, Component2, HDMI) using the same method as listed above.

Press the **EXIT** button to exit.

English - 47

Analog Fine Tuning Analog Channels

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

1

Press the **MENU** button.

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

TV	Channel
Input	Antenna : Air ▶
Picture	Auto Program ▶
Sound	Add/Delete ▶
	Favorite Channels ▶
Channel	Name ▶
Setup	Fine Tune ▶
Guide	Signal Strength ▶
	⬍ Move ⏎ Enter ⫘ Exit

2

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

TV	Channel
Input	Antenna : Air ▶
Picture	Auto Program ▶
Sound	Add/Delete ▶
	Favorite Channels ▶
Channel	Name ▶
Setup	Fine Tune ▶
Guide	Signal Strength ▶
	⬍ Move ⏎ Enter ⫘ Return

3
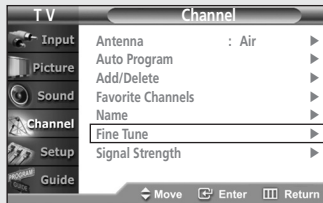
Press the ◄ or ► button to adjust the fine tuning.

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

To reset the fine tuning to "0", press the ▼ button to select "Reset", then press the **ENTER** button.

Press the **EXIT** button to exit.

```
                Fine Tune
  Channel 3-0        Auto Fine Tuned
  ▌                           0
        Reset        OK
  ⬦ CH Move     ⏎ Save     ⫘ Return
```
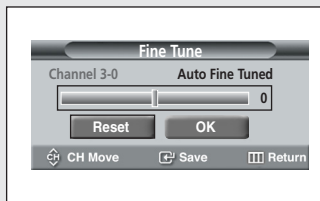
Note

• Only analog TV channels can be fine tuned.

Digital | Checking the Digital-Signal Strength

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

1

Press the **MENU** button.

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

TV	Channel	
Input	Antenna : Air	▶
Picture	Auto Program	▶
Sound	Add/Delete	▶
	Favorite Channels	▶
Channel	Name	▶
Setup	Fine Tune	▶
Guide	Signal Strength	▶
	◆ Move ↵ Enter ▥ Exit	

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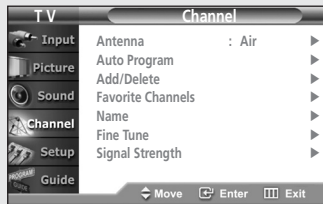
Press the ▲ or ▼ button to select "Signal Strength", then press the **ENTER** button.

TV	Channel	
Input	Antenna : Air	▶
Picture	Auto Program	▶
Sound	Add/Delete	▶
	Favorite Channels	▶
Channel	Name	▶
Setup	Fine Tune	▶
Guide	Signal Strength	▶
	◆ Move ↵ Enter ▥ Return	
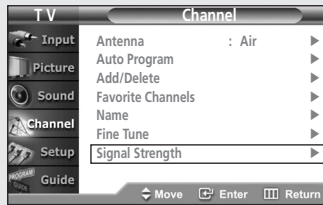
3

If the signal strength meter indicates that the signal is weak, physically adjust your antenna to increase the signal strength. Continue to adjust the antenna until you find the best position with the strongest signal.

Press the **EXIT** button to exit.

TV	Signal Strength
Input	
Picture	
Sound	
Channel	OK
Setup	
Guide	↵ Enter ▥ Return
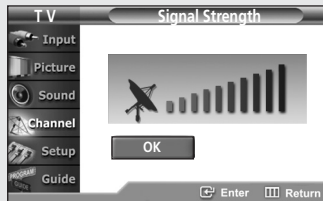
Note

• "No Signal" may appear on the screen depending on the broadcasting station conditions, even though an incoming broadcast signal exists.

Changing the Screen Size

1

Press the **MENU** button.

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

TV	Picture	
Input	Mode	: Dynamic ▶
Picture	Size	: 16:9 ▶
Sound	Tilt	▶
Channel		
Setup		
Guide		
	◆ Move ⏎ Enter ▥ Exit	

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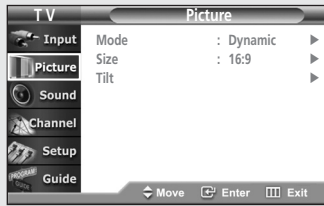
Press the ▲ or ▼ button to select "Size", then press the **ENTER** button.

TV	Picture	
Input	Mode	: Dynamic ▶
Picture	Size	: 16:9 ▶
Sound	Tilt	▶
Channel		
Setup		
Guide		
	◆ Move ⏎ Enter ▥ Return	

3
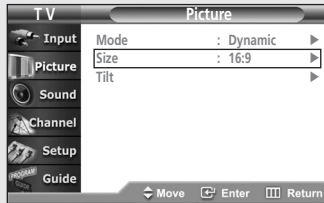
Press the ◀ or ▶ button to select the screen format you want.

Press the **EXIT** button to exit.

TV	Size	
Input		
Picture		
Sound	16:9 Panorama Zoom1 Zoom2 4:3	
Channel		
Setup		
Guide		
	▶ Move ⏎ Enter ▥ Return	
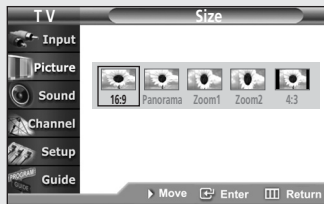
TX-R2675WH/TX-R2678WH/
TX-R3075WH

Alternate method:
Simply press the **P.SIZE** button on the remote control to change screen size.

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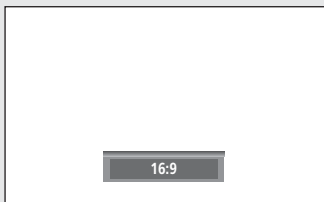
- 16:9 :   Sets the picture to 16:9 wide mode.
- Panorama : Use this mode for the wide aspect ratio of a panoramic picture. (Wide TV)
- Zoom 1 :   Magnifies the size of the picture on the screen.
- Zoom 2 :   Expands the Zoom 1 format picture.
- 4:3 :   Sets the picture to 4:3 normal mode.

Notes
Changing the Screen Format feature availability depends on the current broadcasting signal format.

<Wide TV>
- Analog signal : 16:9 → Panorama → Zoom1 → Zoom2 → 4:3
- Digital signal(SD) : 16:9 → Panorama → Zoom1 → Zoom2 → 4:3
- Digital signal(HD) : 16:9 → 4:3

<Normal(4:3) TV>
- Analog signal : Normal(4:3) → Zoom1 → Zoom2 → 16:9
- Digital signal : Normal(4:3) → 16:9

Tilt

Due to the Earth's magnetic field there may be some minor image tilt depending on the TV's location. When this occurs, follow the steps below.

1
Press the **MENU** button.

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

T V	Picture		
Input			
Picture	Mode	: Dynamic	▶
Sound	Size	: 16:9	▶
Channel	Tilt		▶
Setup			
Guide			

◆ Move   🔄 Enter   ▥ Exit
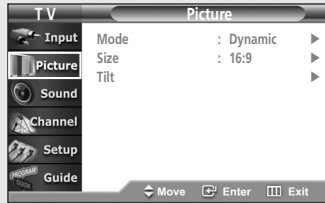
2
Press the ▲ or ▼ button to select "Tilt", then press the **ENTER** button.

T V	Picture		
Input			
Picture	Mode	: Dynamic	▶
Sound	Size	: 16:9	▶
Channel	Tilt		▶
Setup			
Guide			

◆ Move   🔄 Enter   ▥ Return
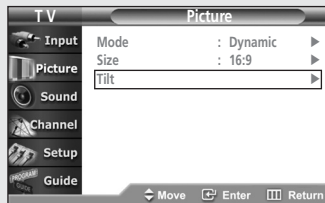
3
Press the ◀ and ▶ buttons to adjust screen Tilt, then press the **ENTER** button.

Press the **EXIT** button to exit.

Tilt		
Left : 0	Use LEFT and RIGHT buttons on the remote control to adjust screen tilt	Right : 0

◀ Adjust   🔄 Enter   Adjust ▶

Using the R.Surf Feature

This feature allows you to set the TV to return to a particular channel after a certain amount of time. For example, you may be watching a channel when commercials start. You can set the R.Surf to "5 minutes", then switch channels. After minutes, the TV will return to the original channel. To use the R.Surf feature:

1

While you are watching the channel to which you want to return, press **R.SURF**. The on-screen display will read "SURF Off".

> SURF Off

2

Press **R.SURF** again to set the timer in thirty second intervals, up to five minutes.

> SURF 0 : 30

3

The time you set will begin counting down on the screen. When the time runs out, the TV will return to the channel you were watching when you set the timer.

Extra sound settings (Auto Volume, BBE)

Auto Volume

Each broadcasting station has its own signal conditions, which can make it necessary to adjust the volume every time the channel is changed. "Auto volume" lets you automatically adjust 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.

TV	Sound		
Input	Mode	: Custom	▶
Picture	Equalizer		▶
Sound	Multi-Track Options		▶
	Auto Volume	: Off	▶
Channel	Digital Output	: Dolby Digital	▶
Setup	BBE	: On	▶
Guide			
	⬍ Move	⏎ Enter	▥ Exit

2
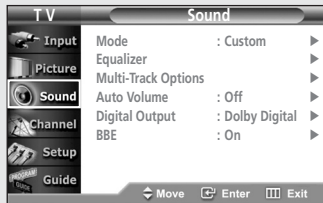
Press the ▲ or ▼ button to select "Auto Volume", then press the **ENTER** button.
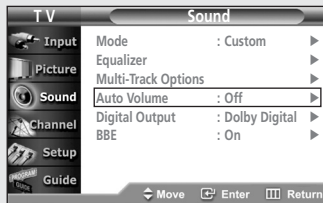
TV	Sound		
Input	Mode	: Custom	▶
Picture	Equalizer		▶
Sound	Multi-Track Options		▶
	Auto Volume	: Off	▶
Channel	Digital Output	: Dolby Digital	▶
Setup	BBE	: On	▶
Guide			
	⬍ Move	⏎ Enter	▥ Return

3

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

Press the **EXIT** button to exit

TV	Sound		
Input	Mode	: Custom	
Picture	Equalizer		
Sound	Multi-Track Options		
	Auto Volume	: Off	
Channel	Digital Output	: On	
Setup	BBE	: On	
Guide			
	⬍ Move	⏎ Enter	▥ Return

BBE
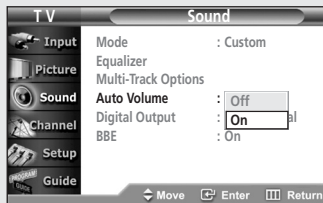
BBE is a built-in effect that adds clarity, punch and dynamics to the sound.

1
Press the **MENU** button.

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

TV		Sound	
Input	Mode	: Custom	▶
Picture	Equalizer		▶
	Multi-Track Options		▶
Sound	Auto Volume	: Off	▶
Channel	Digital Output	: Dolby Digital	▶
	BBE	: On	▶
Setup			
Guide			
	◆ Move	⊕ Enter	▥ Exit
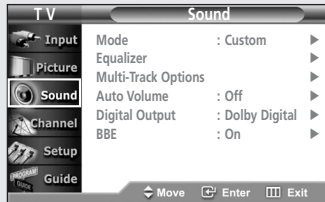
2
Press the ▲ or ▼ button to select "BBE", then press the **ENTER** button.
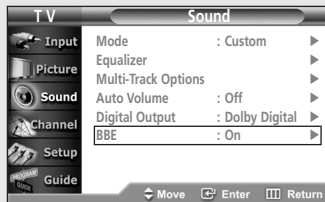
TV		Sound	
Input	Mode	: Custom	▶
Picture	Equalizer		▶
	Multi-Track Options		▶
Sound	Auto Volume	: Off	▶
Channel	Digital Output	: Dolby Digital	▶
	BBE	: On	▶
Setup			
Guide			
	◆ Move	⊕ Enter	▥ Return

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

Press the **EXIT** button to exit.

TV		Sound	
Input	Mode	: Custom	
Picture	Equalizer		
	Multi-Track Options		
Sound	Auto Volume	: Off	
Channel	Digital Output	: Dolby Digital	
	BBE	: Off	
Setup		On	
Guide			
	◆ Move	⊕ Enter	▥ Return
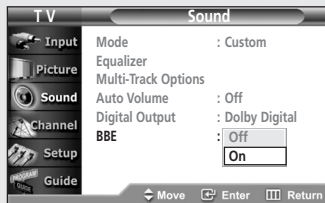
Alternate method:
Press the **BBE** button on the remote control repeatedly to select "BBE On" or "BBE Off".

BBE On

Choosing a Multi-Channel Sound (MTS) track

Digital

When a Digital Signal is received

The digital-TV transmission system is capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of the program into foreign languages). The availability of these additional "multitracks" depends upon the program.

1

Press the **MENU** button.

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

T V	Sound
Input	Mode : Custom ▶
Picture	Equalizer ▶
Sound	Multi-Track Options ▶
Channel	Auto Volume : Off ▶
Setup	Digital Output : Dolby Digital ▶
Guide	BBE : On ▶
	◆ Move ⏎ Enter ▥ Exit
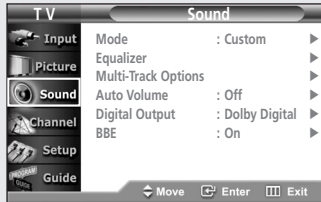
◀ Quick way to access the MTS menu: Just press the "MTS" button on the remote control. You can listen in a language other than the favorite language by pressing the **MTS** button.

2

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

T V	Sound
Input	Mode : Custom ▶
Picture	Equalizer ▶
Sound	Multi-Track Options ▶
Channel	Auto Volume : Off ▶
Setup	Digital Output : Dolby Digital ▶
Guide	BBE : On ▶
	◆ Move ⏎ Enter ▥ Return
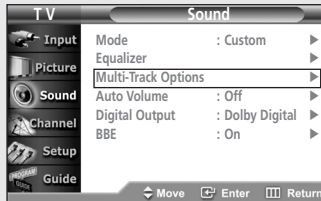
◀ The text at the bottom of the menu tells you if the incoming audio is Spanish, French or English.

3

Press the **ENTER** button to select "Preferred Language".

Press the ▲ or ▼ button to choose the English, Spanish, French, then press the **ENTER** button.

Press the **EXIT** button to exit

T V	Multi-Track Options
Input	Preferred Language : English
Picture	Multi-Track Sound : Spanish
Sound	French
Channel	
Setup	
Guide	
	◆ Move ⏎ Enter ▥ Return
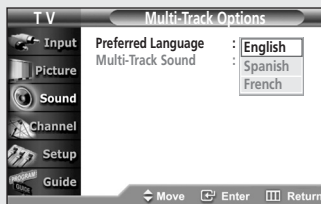
Alternate method:
Simply press the **MTS** button on the remote control to select language.

English

English - 55

Analog

When an Analog Signal is received

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

1

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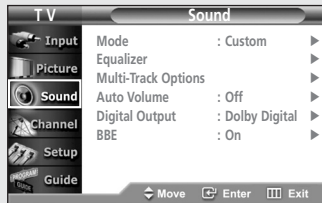
Press the ▲ or ▼ button to select "Sound", then press the **ENTER** button.

T V	Sound	
Input		
Picture	Mode	: Custom ▶
Sound	Equalizer	▶
	Multi-Track Options	▶
Channel	Auto Volume	: Off ▶
Setup	Digital Output	: Dolby Digital ▶
Guide	BBE	: On ▶
	♦ Move ☐ Enter ☐ Exit	

2

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

T V	Sound	
Input		
Picture	Mode	: Custom ▶
Sound	Equalizer	▶
	Multi-Track Options	▶
Channel	Auto Volume	: Off ▶
Setup	Digital Output	: Dolby Digital ▶
Guide	BBE	: On ▶
	♦ Move ☐ Enter ☐ Return	

3

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

T V	Multi-Track Options	
Input		
Picture	Preferred Language	: English ▶
Sound	Multi-Track Sound	: Mono ▶
Channel		
Setup		
Guide		
	♦ Move ☐ Enter ☐ Return	

4
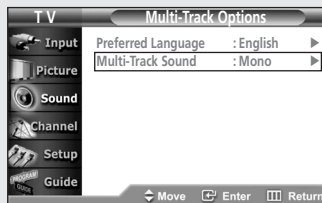
Press the ▲ or ▼ button to choose the submenu (Mono, Stereo, SAP) you want, then press the **ENTER** button.

Press the **EXIT** button to exit

T V	Multi-Track Options	
Input		
Picture	Preferred Language	: English
Sound	Multi-Track Sound	: Mono
		Stereo
Channel		SAP
Setup		
Guide		
	♦ Move ☐ Enter ☐ Return	
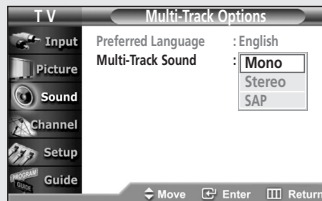
Alternate method:
Simply press the **MTS** button on the remote control to select Mono, Stereo or SAP.

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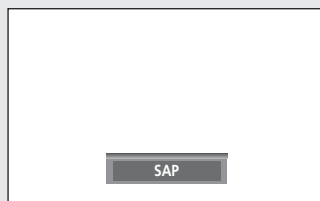
- • Choose "Stereo" for channels that are broadcasting in stereo.
- • Choose "Mono" for channels that are broadcasting in mono, or if you are having difficulty receiving a stereo signal.
- • Choose "SAP" to listen to the Secondary Audio Program, which is usually a foreign-language translation.

Digital | Choosing a Digital Sound Format

Digital sound can be output from the rear-panel connector on your TV. The digital sound output is optical connector labeled "DIGITAL AUDIO OUT (OPTICAL)" After connecting an optical digital-audio component, you must specify the transmission format (Dolby or PCM, as appropriate to your digital audio component).

1

Press the **MENU** button.

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

TV	Sound	
Input	Mode	: Custom ▶
Picture	Equalizer	▶
Sound	Multi-Track Options	▶
Channel	Auto Volume	: Off ▶
Setup	Digital Output	: Dolby Digital ▶
Guide	BBE	: On ▶
	◆ Move ⊞ Enter ▥ Exit	

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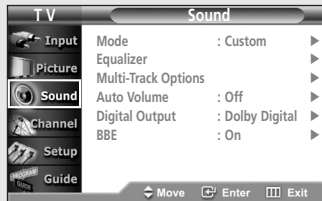
Press the ▲ or ▼ button to select "Digital Output", then press the **ENTER** button.

TV	Sound	
Input	Mode	: Custom ▶
Picture	Equalizer	▶
Sound	Multi-Track Options	▶
Channel	Auto Volume	: Off ▶
Setup	Digital Output	: Dolby Digital ▶
Guide	BBE	: On ▶
	◆ Move ⊞ Enter ▥ Return	

3
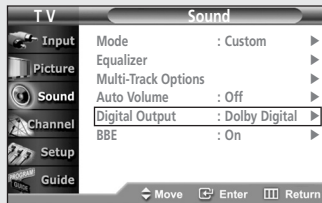
Press the ▲ or ▼ button to select "Dolby Digital" or "PCM", then press the **ENTER** button.

Press the **EXIT** button to exit.

TV	Sound	
Input	Mode	: Custom
Picture	Equalizer	
Sound	Multi-Track Options	
Channel	Auto Volume	: Off
Setup	Digital Output	: Dolby Digital
Guide	BBE	: PCM
	◆ Move ⊞ Enter ▥ Return	
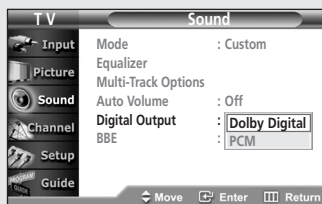
Manufactured under license from Dolby Laboratories.
"Dolby" and the double D-symbol are trademarks of Dolby Laboratories.

▯◖ DOLBY
D I G I T A L

Setting the On/Off Timer

1

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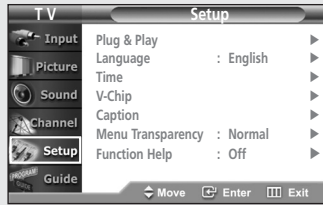
Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
	Time	▶
Sound	V-Chip	▶
	Caption	▶
Channel	Menu Transparency : Normal	▶
Setup	Function Help : Off	▶
Guide		
	◆ Move ☞ Enter ▥ Exit	

◀ Before using the timer, you must set the TV's clock. (See "Setting the Clock" on page 42).

2

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

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
	Time	▶
Sound	V-Chip	▶
	Caption	▶
Channel	Menu Transparency : Normal	▶
Setup	Function Help : Off	▶
Guide		
	◆ Move ☞ Enter ▥ Return	

3
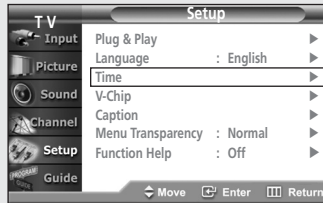
Press the ▲ or ▼ button to select "On Timer", then press the **ENTER** button.
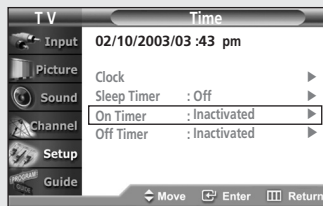
TV	Time	
Input	02/10/2003/03 :43 pm	
Picture	Clock	▶
Sound	Sleep Timer : Off	▶
	On Timer : Inactivated	▶
Channel	Off Timer : Inactivated	▶
Setup		
Guide		
	◆ Move ☞ Enter ▥ Return	

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

4

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

TV	On Timer		
Input	Set on timer		
Picture	Hour	Minute	am/pm
Sound	12	00	am
Channel	Antenna	Channel	Volume	Activation
Setup	Air	03	00	No
Guide			
	◀▶ Move ◆ Adjust ▥ Return		

◀ You can set the Hour, Minute, Channel, and Volume directly by pressing the number buttons on the remote control.
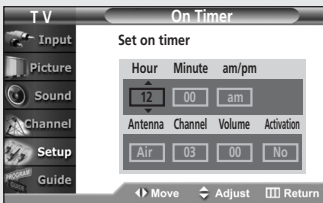
5

Set the Off Timer, press the ▲ or ▼ button to select "Off Timer", then press the **ENTER** button.
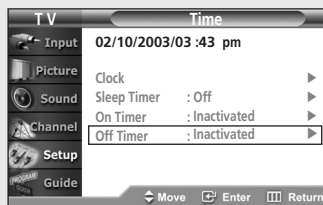
TV	Time	
Input	02/10/2003/03 :43 pm	
Picture	Clock	▶
Sound	Sleep Timer : Off	▶
	On Timer : Inactivated	▶
Channel	Off Timer : Inactivated	▶
Setup		
Guide		
	◆ Move ☞ Enter ▥ Return	

◀ **Auto Power Off**
When you set the timer "On", the television will eventually turn off, if no controls are operated for 3 hours after the TV was turned on by timer. This function is only available in timer "On" mode and prevents overheating or leakages, which may occur if a TV is on for too long (on holiday, for example).

6

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 listed on the previous page.
When finished setting the timer, press the **EXIT** button to exit.

TV	Off Timer		
Input	Set off timer		
Picture	Hour	Minute	am/pm	Activation
Sound	12	00	am	No
Channel			
Setup			
Guide			
	▶ Move ◆ Adjust ▥ Return		

English - 58

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.

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
Channel	V-Chip	▶
	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	♦ Move ⏎ Enter ⫿⫿⫿ Exit	

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

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
Channel	V-Chip	▶
	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	♦ Move ⏎ Enter ⫿⫿⫿ Return	
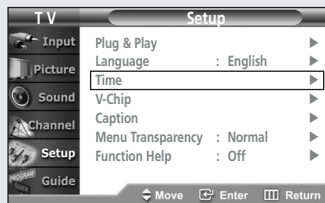
3
Press the ▲ or ▼ button to select "Sleep Timer", then press the **ENTER** button.

TV	Time	
Input	02/10/2003/03 :43 pm	
Picture		
Sound	Clock	▶
	Sleep Timer : Off	▶
Channel	On Timer : Inactivated	▶
Setup	Off Timer : Inactivated	▶
Guide		
	♦ Move ⏎ Enter ⫿⫿⫿ Return	
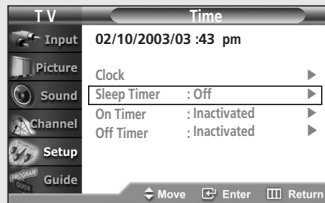
4
Press the ▲ or ▼ button to adjust to the minute you want, then press the ▶ button to move to the next step.

TV	Sleep Timer	
Input	Set sleep timer	
Picture	Minute Activation	
Sound	▲	
	030 Yes	
Channel	▼	
Setup		
Guide		
	◀▶ Move ♦ Adjust ⫿⫿⫿ Return	
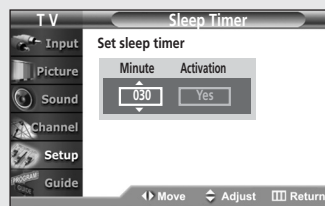
5
Press the ▲ or ▼ button to select "Yes" or "No", then press the **ENTER** button.

Press the **EXIT** button to exit.

TV	Sleep Timer	
Input	Set sleep timer	
Picture	Minute Activation	
Sound	▲	
	030 Yes	
Channel	▼	
Setup		
Guide		
	◀▶ Move ♦ Adjust ⫿⫿⫿ Return	
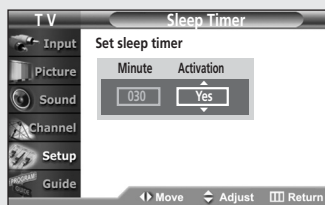
Alternate method:
Simply press the **SLEEP** button on the remote control repeatedly until the appropriate time interval appears (any of the preset values from "30min" to "180

30 min
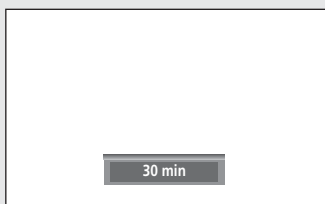
Using the V-Chip

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.

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
	V-Chip	▶
Channel	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	♦ Move ↵ Enter ▥ Exit	

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

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
	V-Chip	▶
Channel	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	♦ Move ↵ Enter ▥ Return	
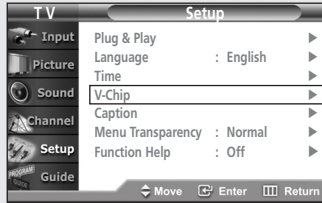
3
The "Enter your PIN" screen will appear. Enter your 4-digit PIN number.

TV	V-Chip
Input	Enter your PIN
Picture	
Sound	
Channel	
Setup	
Guide	
	0~9 Enter PIN ▥ Return

◀ The default PIN for a new TV set is "0 0 0 0".

◀ If you forget the PIN, press the remote control buttons in the following sequence, which resets the PIN to 0-0-0-0: **POWER** (Off), **MUTE**, **8**, **2**, **4**, **POWER** (On).
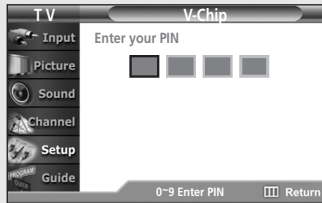
4
The "V-Chip" menu is displayed.

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

TV	V-Chip	
Input	V-Chip Lock : Off	▶
Picture	TV Parental Guidelines	▶
Sound	Movie Ratings	▶
	Change PIN	▶
Channel		
Setup		
Guide	♦ Move ↵ Enter ▥ Return	
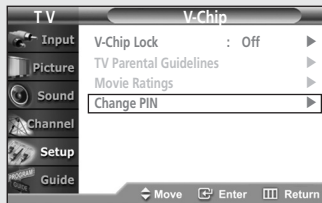
5
Press the number buttons (0 – 9) on the remote control to enter your current password.

Press the number buttons (0 – 9) to enter a new password.

Re-enter the new password to confirm.

TV	Change PIN
Input	Enter Current PIN
Picture	✳ ✳ ✳ ✳
Sound	Change PIN
	✳ ✳ ✳
Channel	Confirm New PIN
Setup	
Guide	
	0~9 Enter PIN ▥ Return

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.

TV	Setup	
Input	Plug & Play	►
Picture	Language : English	►
Sound	Time	►
	V-Chip	►
Channel	Caption	►
Setup	Menu Transparency : Normal	►
Guide	Function Help : Off	►
	♦ Move Enter Exit	

2

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

TV	Setup	
Input	Plug & Play	►
Picture	Language : English	►
Sound	Time	►
	V-Chip	►
Channel	Caption	►
Setup	Menu Transparency : Normal	►
Guide	Function Help : Off	►
	♦ Move Enter Return	

3
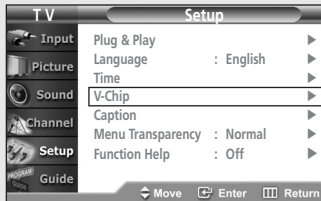
Enter your password correctly.

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

TV	V-Chip
Input	Enter your PIN
Picture	✳ ✳ ✳ ▢
Sound	
Channel	
Setup	
Guide	0~9 Enter PIN Return

4
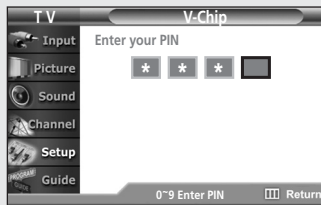
Press the ▲ or ▼ button to select "TV Parental Guidelines", then press the **ENTER** button.

TV	V-Chip	
Input	V-Chip Lock : On	►
Picture	TV Parental Guidelines	►
Sound	Movie Ratings	►
Channel	Enter New PIN	►
Setup		
Guide	♦ Move Enter Return	

5
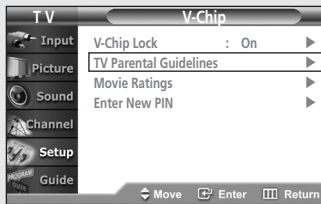
You can independently lock the TV ratings. The locked TV (FCC) ratings are indicated by the symbol " 🔒 ".

Press the ▲/▼/◄/► buttons and the **ENTER** button to activate the appropriate restrictions for TV (FCC) rating system.
Pressing the **ENTER** button repeatedly will activate or deactivate the appropriate restrictions for TV (FCC) rating system.

TV	TV Parental Guidelines	
Input	ALL FV V S L D	
Picture	TV-Y 🔒	
Sound	TV-Y7 🔒 🔒	Allow All
	TV-G 🔒	Block All
Channel	TV-PG 🔒 🔒 🔒 🔒 🔒	
Setup	TV-14 🔒 🔒 🔒 🔒 🔒	
Guide	TV-MA 🔒 🔒 🔒 🔒	
	♦ Move Enter Return	
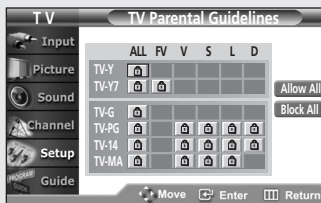
TV-Y	Young children
TV-Y7	Children 7 and over
-----	-----
TV-G	General audience
TV-PG	Parent Guidance
TV-14	Viewers 14 and over
TV-MA	Mature audience

◄ Allow All :
Press to unlock all TV ratings.
Block All :
Press to lock all TV ratings.

◄ Note: These categories consist of two separate groups: TV-Y and TV-Y7 (young children through age 7), and TV-G through TV-MA (everybody else).

The restrictions for these two groups work independently: If a household includes very young children as well as young adults, the TV guidelines must be set up separately for each age group. (See page 63.)

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

The Movie rating system uses the Motion Picture Association of America (MPAA) 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 or TV-Ratings).

1
Press the **MENU** button.

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

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
	V-Chip	▶
Channel	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	◆ Move 🖃 Enter Ⅲ Exit	

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

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
	V-Chip	▶
Channel	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	◆ Move 🖃 Enter Ⅲ Return	

3
Enter your password correctly.

TV	V-Chip	
Input	Enter your PIN	
Picture	✳ ✳ ✳ ▢	
Sound		
Channel		
Setup		
Guide	0~9 Enter PIN Ⅲ Return	
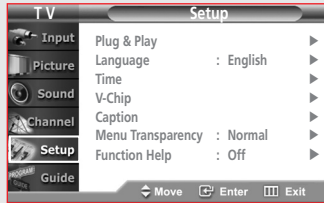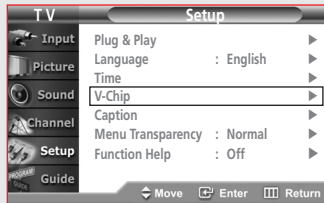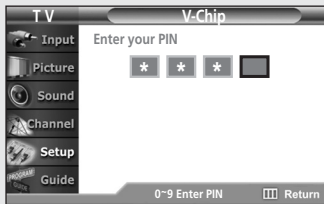
4
Press the ▲ or ▼ button to select "Movie Ratings", then press the **ENTER** button.

TV	V-Chip	
Input	V-Chip Lock : On	▶
Picture	TV Parental Guidelines	▶
Sound	Movie Ratings	▶
Channel	Enter New PIN	▶
Setup		
Guide	◆ Move 🖃 Enter Ⅲ Return	
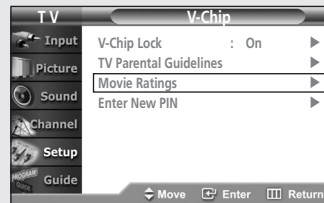
5
You can independently lock the movie ratings. The locked movie ratings are indicated by the symbol "🔒".

TV	MPAA Rating	
Input	Block	
Picture	G 🔒	
Sound	PG 🔒	Allow All
	PG-13 🔒	
Channel	R 🔒	Block All
	NC-17 🔒	
Setup	X 🔒	
Guide	NR	
	⬗ Move 🖃 Enter Ⅲ Return	
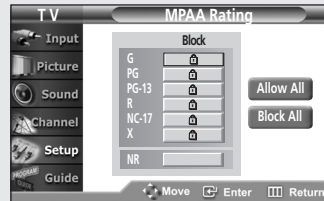
Press the ▲/▼/◄/► buttons and the **ENTER** button to activate the appropriate restrictions for movie rating system.

Press the **EXIT** button to exit.

◄ Allow All :
Press to unlock all movie ratings.
Block All :
Press to lock all movie ratings.

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	Fantasy violence
S	Sexually Suggestive Dialog
L	Adult Language
D	Sexual situation
FV	Violence

MPAA Rating System (Movies)

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

- 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.

Viewing Closed Captions

Analog

Setting Up Analog Captions (On-Screen Text Messages)

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

1

Press the **MENU** button.

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

T V	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
	V-Chip	▶
Channel	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	◆ Move 🕀 Enter ⊞ Exit	

2

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

T V	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
	V-Chip	▶
Channel	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	◆ Move 🕀 Enter ⊞ Return	

3

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

T V	Caption	
Input	Caption :	Off
Picture	Caption Mode	On
Sound	Caption Options	
Channel		
Setup		
Guide		
	◆ Move 🕀 Enter ⊞ Return	

4
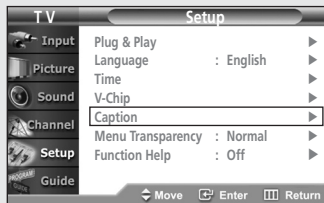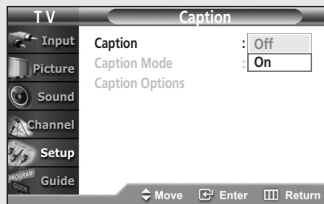
Press the ▲ or ▼ button to select "Caption Mode", then press the **ENTER** button.
Press the ▲ or ▼ button to select the sub-menu (CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3 or TEXT4) you want.

Press the **EXIT** button to exit.

T V	Caption	
Input	Caption :	CC1
Picture	Caption Mode :	CC2
Sound	Caption Options	CC3
		CC4
Channel		TEXT1
Setup		TEXT2
Guide		TEXT3
		TEXT4
	◆ Move 🕀 Enter ⊞ Return	

◄ Notes
- The Caption feature doesn't work in HDMI mode.
- The availability of captions depends on the program being broadcast.
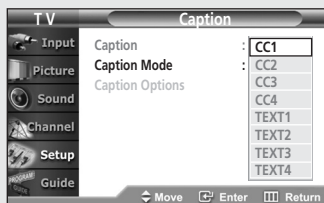
Alternate method:
Simply press the **CAPTION** button on the remote control to select caption "On".

> On

Digital

Setting Up Digital Captions (On-Screen Text Messages)

The Digital Captions function operates on digital channels.

1

Press the **MENU** button.

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

T V	Setup		
Input	Plug & Play		▶
Picture	Language	: English	▶
Sound	Time		▶
	V-Chip		▶
Channel	Caption		▶
Setup	Menu Transparency	: Normal	▶
Guide	Function Help	: Off	▶
	◆ Move	⏎ Enter	▥ Exit

2

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

T V	Setup		
Input	Plug & Play		▶
Picture	Language	: English	▶
Sound	Time		▶
	V-Chip		▶
Channel	Caption		▶
Setup	Menu Transparency	: Normal	▶
Guide	Function Help	: Off	▶
	◆ Move	⏎ Enter	▥ Return

3

Press the **ENTER** button.

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

T V	Caption	
Input	Caption	: Off
Picture	Caption Mode	: On
Sound	Caption Options	
Channel		
Setup		
Guide		
	◆ Move ⏎ Enter ▥ Return	

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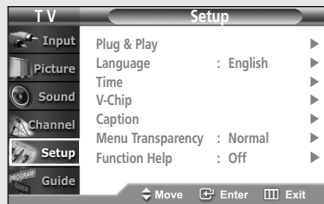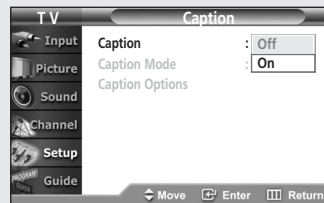
Press the ▲ or ▼ button to select "Caption Options", then press the **ENTER** button.

T V	Caption	
Input	Caption	: On ▶
Picture	Caption Mode	: Service1 ▶
Sound	Caption Options	▶
Channel		
Setup		
Guide		
	◆ Move ⏎ Enter ▥ Return	
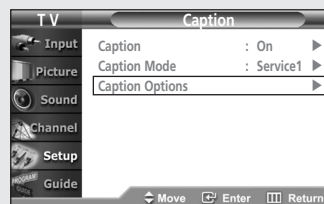
◄ Notes

Only when Caption Mode is in Service1-Service6, you can use Caption Options.

5

Press the ▲ or ▼ button to select the option(Service, Size, Style, Foreground or Background) you want.
Press the **ENTER** button.
Press the ▲ or ▼ button to select the desired setting, then press the **ENTER** button.

T V	Caption Options
Input	Size : Default
Picture	Style : Default
Sound	Foreground : Default
Channel	Background : Default
Setup	Return to Default
Guide	
	♦ Move ⊞ Enter Ⅲ Return
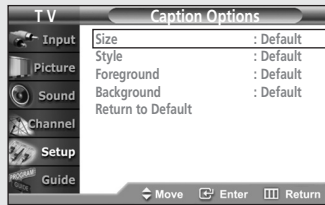
Size :
This option consists of Default, Small, Standard, Large. The default is Standard.

Style:
This option consists of Default, Style0 ~ Style 7. You can change the font you want. The default is Style 0.

Foreground:
This option consists of Default, White, Black, Red, Green, Blue, Yellow, Magenta, Cyan. You can change the color of the letter.
The default is White.

Background:
This option consists of Default, White, Black, Red, Green, Blue, Yellow, Magenta, Cyan. You can change the background color of the caption.
The default is Black.

Return to Default :
This option sets each of Service, Size, Style, Foreground, Background to its default.

Notes:

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

- For other channels, which don't operate with the Digital Captions feature, each press of the CAPTION button will alternate among *CC1*, *CC2*, *CC3*, *CC4* and OFF.

   *CC1; The Primary Synchronous Caption Service. These are captions in the primary language that must be in sync with the sound, preferably matched to a specific frame.

   *CC2; The Special Non-Synchronous Use Captions. This channel carries data that is intended to augment information carried in the program.

   *CC3; Secondary Synchronous Caption Service. Alternate program-related caption data, typically second language captions.

   *CC4; Special Non-Synchronous Use Captions. Similar to CC2.

Menu Transparency Level

Adjusts the transparency of the menu screen.

1

Press the **MENU** button.

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

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
	V-Chip	▶
Channel	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	⬍ Move ↵ Enter ☰ Exit	

2

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

TV	Setup	
Input	Plug & Play	▶
Picture	Language : English	▶
Sound	Time	▶
	V-Chip	▶
Channel	Caption	▶
Setup	Menu Transparency : Normal	▶
Guide	Function Help : Off	▶
	⬍ Move ↵ Enter ☰ Return	

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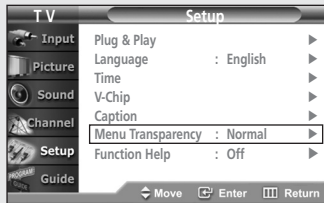
Press the ▲ or ▼ button
to select level, then press
the **ENTER** button.

Press the **EXIT** button to
exit.

TV	Setup	
Input	Language : English	
Picture	Time	
Sound	V-Chip	
	Caption	
Channel	Menu Transparency :	Opaque
Setup	Function Help :	Low
	HDMI Standard :	**Normal**
Guide		High
	⬍ Move ↵ Enter ☰ Return	
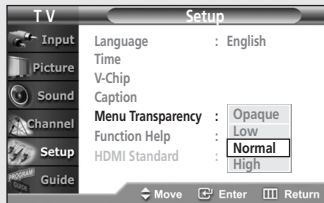
Setting the Function Help

Displays help on the menu functions.

1

Press the **MENU** button.

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

TV	Setup	
Input	Plug & Play	►
Picture	Language : English	►
Sound	Time	►
	V-Chip	►
Channel	Caption	►
Setup	Menu Transparency : Normal	►
Guide	Function Help : Off	►
	◆ Move ⏎ Enter ▥ Exit	

2

Press the ▲ or ▼ button to select "Function Help", then press the **ENTER** button.
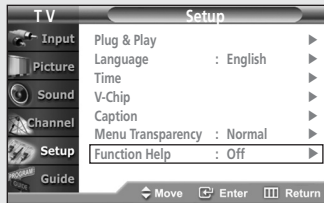
TV	Setup	
Input	Plug & Play	►
Picture	Language : English	►
Sound	Time	►
	V-Chip	►
Channel	Caption	►
Setup	Menu Transparency : Normal	►
Guide	Function Help : Off	►
	◆ Move ⏎ Enter ▥ Return	

3

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

Press the **EXIT** button to exit.

TV	Setup	
Input	Plug & Play	
Picture	Language : English	
Sound	Time	
	V-Chip	
Channel	Caption	
Setup	Menu Transparency : Normal	
Guide	Function Help : Off	
	On	
	◆ Move ⏎ Enter ▥ Return	

ⓘ Activates Help functions for menu items.

Digital **Electronic Program Guide**

Your TV has an "Electronic Program Guide" to help you navigate through all the possible viewing options. The EPG supplies information, such as program lists, start and end times of all available channels.
In addition, detailed information about the program is often available in the EPG. (The availability and the amount of program details will vary depending on the broadcaster.)

Viewing the Electronic Program Guide

A Displays which channel is currently selected to show program information in the Channel Guide.

B Displays Watch Icon in the full guide mode when program time is current. The Remind Icon appears once you have selected a program with the **ENTER** button to view in the future. Del Remind appears to let you know the program can be deselected with the **ENTER** button.

C Press to view detailed information for the selected digital program.

D Switches to the mini program guide. The mini guide shows the titles of the available programs of one channel. Press the Red button on the remote control.The set default guide is Mini Guide.

E Displays titles and other details about upcoming programs of particular channels. Highlight the program and press **INFO**. to see additional and

detailed information. (The availability of additional details depends on the broadcaster.) Use the Menu ▲, ▼ buttons to search information about another channel.

F Scrolls backwards quickly (2 hours). Press the Green button on the remote control.

G Scrolls forward quickly (2 hours). Press the Yellow button on the remote control and repeatedly press ENTER until the appropriate time is displayed.

H Exits from the Program Guide and returns to normal viewing mode. Press the Blue button on the remote control.

I Displays the program times (arranged in 1 hour time blocks)

J Displays the current time and date.

Notes:
• You can use the GUIDE button on the remote control to display the Electronic Program Guide. The EPG begins its list with the channel that is currently active.
• The EPG will only work when you are receiving digital channels.
• Depending on the broadcast information, the Guide time and actual program time may not match. This is not a fault of the TV.
• The Guide may not always display program information.

Using the Electronic Program Guide

1
Press the **MENU** button.

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

TV	Guide	
Input	Mini Guide	▶
Picture	Full Guide	▶
Sound	Remind List	▶
Channel	Default Guide : Mini Guide	▶
Setup		
Guide		
	‡ Move Enter Exit	
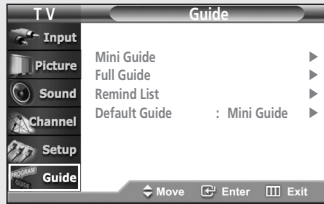
2
Press the ▲ or ▼ button
to select "Default
Guide", then press the
ENTER button.

TV	Guide	
Input	Mini Guide	▶
Picture	Full Guide	▶
Sound	Remind List	▶
Channel	Default Guide : Mini Guide	▶
Setup		
Guide		
	‡ Move Enter Return	
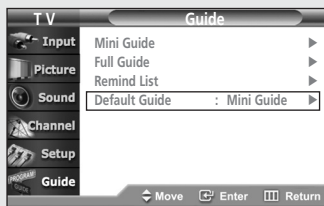
3
Press the ▲ or ▼ button
to select "Mini Guide" or
"Full Guide", then press
the **ENTER** button.

Press the **EXIT** button to
exit.

TV	Guide	
Input	Mini Guide	
Picture	Full Guide	
Sound	Remind List	
Channel	Default Guide : Mini Guide	
Setup	Full Guide	
Guide		
	‡ Move Enter Return	
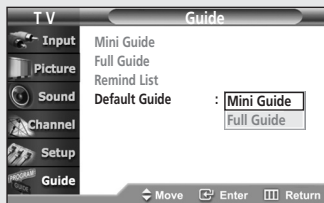
• Mini Guide : Displays the guide for one channel.
• Full Guide : Displays the guide for all channels.

Viewing Information about a Single Channel

1

Press the **MENU** button.

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

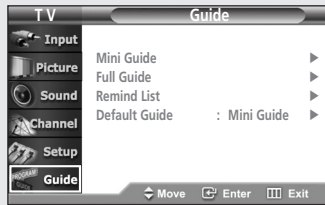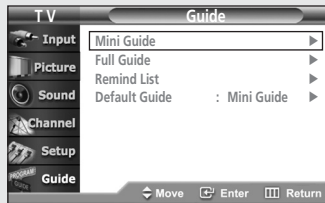| T V	Guide
Input	
Picture	Mini Guide ▶
Sound	Full Guide ▶
Channel	Remind List ▶
Setup	Default Guide : Mini Guide ▶
Guide	

‡ Move ↵ Enter ▯▯▯ Exit

2

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

T V	Guide
Input	Mini Guide ▶
Picture	Full Guide ▶
Sound	Remind List ▶
Channel	Default Guide : Mini Guide ▶
Setup	
Guide	

‡ Move ↵ Enter ▯▯▯ Return

3
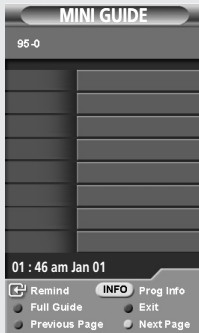
Press the ▲ and ▼ buttons
to view information about
one channel by time.

You can switch between Full
Guide mode and Mini Guide
mode by pressing the **Red**
button repeatedly.

Select the program you
want by pressing the
▲ and ▼ buttons and press
the **INFO** button on the
remote control.

MINI GUIDE

95-0

01 : 46 am Jan 01

↵ Remind INFO Prog Info
● Full Guide ● Exit
● Previous Page ● Next Page

◄ *ENTER button:*
Press the ENTER button to
watch the selected channel.

Red button:
Press the Red button to switch
to the program guide for all
channels. Press the Red button
again to switch to the program
information for the selected
channel.

Blue button:
Press the Blue button to exit.

Green button:
Press the Green button to
move to the previous page.

Yellow button:
Press the Yellow button to
move to the next page.

INFO button:
Press to view detailed informa-
tion for the selected digital
program.

4

Press the **Blue** button or **EXIT** button to exit.

Notes:

• You can also view information about a single channel by pressing the GUIDE button
  on the remote control. (The EPG should be pre-set in Mini Guide mode.)

• Press the INFO button on the remote control to view the program information for
  the current channel.

• However, this function is available only when the default program guide setting has
  been set to "Mini Guide".

• The full or mini guide will disappear automatically if no function buttons on the
  front panel or remote control are pressed for 2 minutes. (If you want to exit full or
  mini guide after the set receives broadcasting information, please wait 2 minutes or
  power on/off .)

Viewing Information about Channels

Displays the program time and content for all channels. This function is available only when the program is digital.

1

Press the **MENU** button.

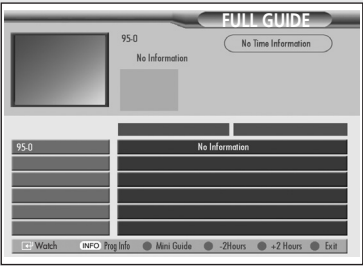Press the ▲ or ▼ button to select "Guide", then press the **ENTER** button.

TV	Guide	
Input		
Picture	Mini Guide	▶
	Full Guide	▶
Sound	Remind List	▶
	Default Guide : Mini Guide	▶
Channel		
Setup		
Guide		
	♦ Move ⌷ Enter ▥ Exit	

2

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

TV	Guide	
Input	Mini Guide	▶
	Full Guide	▶
Picture	Remind List	▶
Sound	Default Guide : Mini Guide	▶
Channel		
Setup		
Guide		
	♦ Move ⌷ Enter ▥ Return	

3

Press the **Green** button to activate "-2 Hours" and the **Yellow** button to activate "+2 Hours".

FULL GUIDE

95-0   No Time Information

No Information

95-0   No Information

Watch INFO Prog Info ● Mini Guide ● -2Hours ● +2 Hours ● Exit

4

You may now:

- Jump to a channel directly: Use the ▲ and ▼ buttons to highlight the program in the ▶ column and press **ENTER**.

- Obtain additional program details: Highlight the title of a program using the ▲/▼/◀/▶ buttons and press the **INFO** button.

- Exit from the Program Guide and return to normal viewing mode: Press Blue button or the **EXIT** button.

Notes:

- Displays the program times in two hour segments.
- Displays the current date and time on the top right of the screen.
- The current time displayed on the program information is subject to the time information sent from the broadcasting station, so it may differ from the actual time.
- Press the GUIDE button on the remote control to view the program information for all channels.
  However, this function is available only when the default program guide setting is set to "Full Guide".

◀ *INFO button:*
Displays detailed information for the selected digital program.

▲/▼ button:
Displays program information for each channel, based on the time. Select your desired program using the Up/Down button, and then press the ENTER button to view the program information for the selected program.

Red button:
Each press of the Red button switches between program information for one channel and all channels.

Green button:
Press the Green button to view the program information from two hours ago.

Yellow button:
Press the Yellow button to view the program information for two hours from now.

Blue button:
Press the Blue button to exit.

Remind List

Reminded Viewing List

If you have made a scheduled viewing list of programs you would like to see, the channel will be automatically switched to the scheduled program at the scheduled time even if you are watching another program.

1

Press the **MENU** button.

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

TV	Guide	
Input		
Picture	Mini Guide	▶
	Full Guide	▶
Sound	Remind List	▶
Channel	Default Guide : Mini Guide	▶
Setup		
Guide		
	⬍ Move 🕀 Enter ▥ Exit	

2

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

TV	Guide	
Input	Mini Guide	▶
Picture	Full Guide	▶
	Remind List	▶
Sound	Default Guide : Mini Guide	▶
Channel		
Setup		
Guide		
	⬍ Move 🕀 Enter ▥ Return	

3
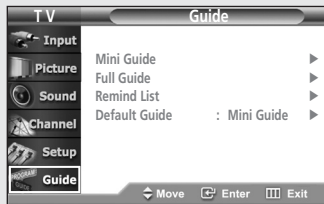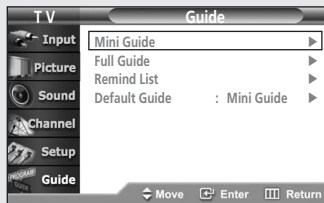
Press the ▲ or ▼ button to select programs you would like to see, then press the **ENTER** button. The symbol "✔" will be displayed.
Each press of the **ENTER** button will switch between "Reminded" and "Clear".

Press the **EXIT** button to exit.

MINI GUIDE	
95-0	
5:00 pm	Program 1
7:30 pm	Program 2
8:00 pm	Program 3 ✔
9:30 pm	Program 4
10:00 pm	Program 5
11:30 pm	Program 6
01 : 46 am Jan 01	
🕀 Remind INFO Prog Info	
● Full Guide ● Exit	
● Previous Page ● Next Page	
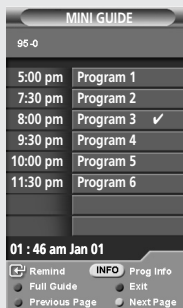
To view the Remind List

1

First, select the channel you want to add to your list. Press the **MENU** button.

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

TV		Guide	
Input			
Picture	Mini Guide		▶
Sound	Full Guide		▶
Channel	Remind List		▶
Setup	Default Guide	: Mini Guide	▶
Guide			

‡ Move   ↵ Enter   ▥ Exit

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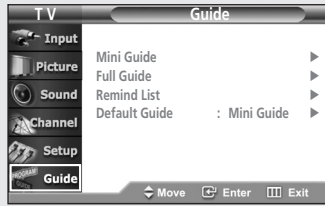
Press the ▲ or ▼ button to select "Remind List", then press the **ENTER** button.

To remove all the scheduled programs
Press the ▶ button to select "Cancel All", then press the **ENTER** button.

TV		Guide	
Input	Mini Guide		▶
Picture	Full Guide		▶
Sound	Remind List		▶
Channel	Default Guide	: Mini Guide	▶
Setup			
Guide			

‡ Move   ↵ Enter   ▥ Return

TV	Go to Remind List
Input	
Picture	OK
Sound	
Channel	
Setup	
Guide	

↵ Enter   ▥ Return
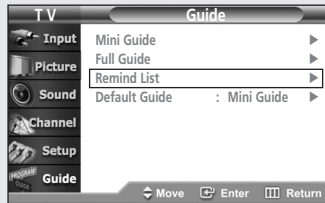
Customizing Your Remote Control

Your TV comes equipped with a universal remote control. In addition to controlling the TV, the universal remote control can also operate a Set-Top Box, VCR, Cable box and DVD (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 and make sure that the **VCR** (**CABLE** or **DVD**) LED is illuminated.

◀ 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 **VCR** (**CABLE** or **DVD**) mode, the volume buttons still control your TV's volume

Remote Control Codes

VCR Codes

Code	Brand
000	Samsung
001	LG(Goldstar)
002	LG(Goldstar)
003	Daewoo
004	Daewoo
005	Daewoo
006	Daewoo
007	Daewoo, LG(Goldstar)
008	Daewoo
009	Curtis Mathes, Dimensia, General Electric, PROSCAN, RCA
011	Bell & Howell, Fisher, JC Penney, JCL, Kenwood, Marantz, NEC, Quartz, Radio Shack, Realistic, Sanyo, Sears, Tandy
014	Hitachi, JC Penney, Pentax, Pioneer, RCA, Sears, Toshiba
015	Admiral, Optimus, Radio Shack, Realistic, Sharp
016	Candle, Citizen, Craig, Curtis Mathes, General Electric, Go Video, JC Penney, MTC, Multitech, RCA, Samsung, Totevision
017	Canon, Curtis Mathes, Emerson, General Electric, Instant Replay, JC Penney, JCL, Magnavox, Marantz, Panasonic, Philco, Philips, Quasar, Radio Shack, Realistic, RCA, Sylvania, Technics, Teknika

Code	Brand
018	Candle, Citizen, Emerson, LG(Goldstar), Radio Shack, Realistic, Sears, Toshiko, Teknika, Totevision
019	Broksonic, Emerson
021	Craig, Fisher, Radio Shack, Realistic, Sanyo, Sears
022	Audio Dynamics, Candle, Citizen, Daewoo, Emerson, Samsung, Scott, Toshiba
023	Colortyme, Curtis Mathes, DB, LG(Goldstar), Harman Kardon, JC Penney, JCL, Kenwood, Marantz, NEC
024	Aiwa, Curtis Mathes, Dynatech, Emerson, Funai, Hitachi, Lloyd, LXI, MTC, Multitech, Radio Shack, Realistic, Signature, Sylvania, Symphonic, Tandy, Teac, Teknika
025	Audio Dynamics, DB, JC Penney, JCL, Kenwood, Marantz, NEC, Pioneer, Sansui
026	Akai, Shintom, Sony
027	Fisher, Sears
028	Fisher, Radio Shack, Realistic, Sears, Toshiba
029	Emerson
030	Teknika
031	Akai, Samsung
032	Akai, Emerson
035	Shintom, Sony

Code	Brand
036	Electrohome, Emerson, Radio Shack, Realistic, Sharp
037	RCA
038	Magnavox, Marantz, Philco, Philips, Sylvania
039	JC Penney, JCL, Kenwood, Marantz, NEC, Tatung, Teac
040	Logik, Multitech, Shintom
041	General Electric, Multitech, Samsung
042	Pioneer
043	Emerson
044	Hitachi, JC Penney, Pentax, RCA, Sears
045	Hitachi
046	RCA
047	Sony
048	Sharp
050	Emerson, Scott
051	Emerson, Samsung
052	Fisher, Radio Shack, Realistic, Sears
053	Portland, Quasar
054	Candle, Citizen, Daewoo, Portland, Sharp
055	Candle, Citizen, Curtis Mathes, LG(Goldstar), JCL, Kenwood, Marantz, NEC, Pentex Research+
056	Emerson
057	Fisher, Sears, Toshiba
058	Emerson, Scott, Toshiba

Code	Brand
059	Pioneer
060	JC Penney
061	Candle, Citizen, Portland
062	Canon, Curtis Mathes, General Electric, JC Penney, Magnavox, Panasonic, Philco, Radio Shack, Realistic, Sylvania
063	RCA
064	Shintom
065	Magnavox, Philco, Sylvania
066	Emerson
067	Fisher
069	LG(Goldstar)
070	Marantz, NEC
071	Emerson
073	Curtis Mathes, NEC
074	Emerson
076	Curtis Mathes, Emerson, TMK
077	Emerson, Scott
078	RCA, Teac
079	Emerson
082	KLH
084	Panasonic
085	Daewoo
086	Panasonic
088	Admiral

Cable Box Codes

Code	Brand
000	Samsung
001	Nawoo
002	TaePyungYang
003	DeaRyung
004	DongKuk
005	DaeHan
006	LG(Goldstar)
007	Saewoo
008	RCA
010	Regency
011	Hamlin, Panasonic, Regal, Samsung
012	GI, Hamlin, Jerrold
013	GI, Jerrold
015	Anvision, Cable Star, Eagle,
016	Magnavox, Philips, Randtek, Viewstar
017	NSC
019	Sylvania, Texscan

Code	Brand
020	Eastern International, Hamlin, Regal
021	Hamlin, Regal
022	Zenith
023	GI, Jerrold
024	Oak, Osk Sigma
025	Tocom
026	Pioneer
027	Magnavox, Philips, Viewstar
028	Pioneer
029	Magnavox, Philips, Tocom, Viewstar
030	Samsung
031	GI, Jerrold
032	GI, Jerrold
033	GI, Jerrold
034	Magnavox, Philips, Viewstar
035	RCA, Panasonic, Sprucer
036	Magnavox, Philips, Viewstar
037	Magnavox, Philips, Viewstar

Code	Brand
038	GI, Jerrold
039	Unika
040	Magnavox, Philips, Unika, Viewstar
041	Magnavox, Philips, Regency, Viewstar
042	Hamlin
044	GI, Jerrold
045	Hitachi, Macom
046	Oak
047	Panasonic
048	Magnavox, Philips, Viewstar
049	Magnavox, Philips, Unika, Viewstar
050	Zenith
051	Hitachi, Macom
052	Pioneer, Samsung, Warner Amex
054	General Instrument, Hitachi, Jerrold, Signature, Starcom
056	Hamlin

Code	Brand
057	Tocom
058	Tocom
059	Universal
060	Universal
063	Tocom
065	Zenith
066	Stargate 2000
067	Sylvania, Texscan
069	Panasonic, Zenith
070	Jerrold
071	Samsung
072	Samsung
073	Jerrold
074	RCA
075	GI
076	GI
077	GI

DVD Codes

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

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 **TV/VIDEO** button. Make sure the TV is plugged in. Check the antenna connections. Make sure the **MUTE** button is off.
No color, wrong colors or tints.	Make sure the program is broadcast in color. Adjust the picture settings.
Picture rolls vertically.	Adjust the antenna. Check all wire connections. If you are using a VCR, check the tracking.
The TV operates erratically.	Unplug the TV for 30 seconds, then try operating it again.
Your remote control does not operate your TV.	Press the **MODE** button to put your remote control in the "TV" mode. Make sure the remote has batteries. Check that the "+" and "-" ends of the batteries are inserted correctly. Check that the batteries are drained.
The TV won't turn on.	Make sure the wall outlet is working. Make sure the TV is plugged in. Make sure the remote has batteries.
Digital broadcasting screen problem	Please check the digital signal strength and input antenna.

Cleaning and Maintaining Your TV

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	TX-R2675WH	TX-R2678WH	TX-R3075WH
Voltage	AC 120V		
Frequency of Operation	60Hz		
Dimensions (mm/inches)	810 x 515 x 535 mm/ 31.9 x 20.3 x 21.1 inches	820 x 497 x 502 mm/ 32.3 x 19.6 x 19.8 inches	898 x 559 x 587 mm/ 35.4 x 22.0 x 23.1 inches
Weight(Kg/lbs)	40.2 Kg/ 88.6 lbs	39.5 Kg / 87.1 lbs	56.0 Kg / 123.5 lbs