

SAMSUNG

**TX-P2670WH
TX-P2675WH
TX-P3071WH
TX-P3075WH
TX-P2775WH
TX-P3275WH
TX-P3271WH**

DIGITAL TELEVISION



**Owner's
Instructions**

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'll 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 settop 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.

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Chapter One

YOUR NEW DIGITAL TV

List of Features

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

- Easy-to-use remote control
- Easy-to-use on-screen menu system
- Automatic timer to turn the TV on and off
- Adjustable picture and sound settings that can be stored in the TV's memory
- 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 (Digital Visual 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.



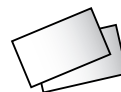
Remote Control(AA59-00356B)/
AAA Batteries(4301-000121)



Owner's Instructions/
Safety Guide Manual



Ferrite core; 2EA
(3301-001305)

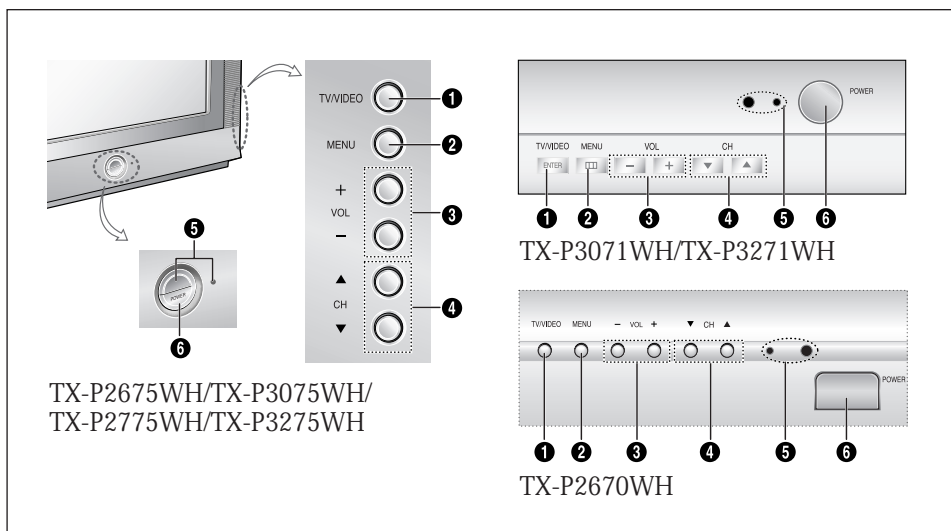


Warranty Card; 2EA/
Registration Card

Familiarizing Yourself with Your New TV

Front/Side Panel Buttons

The buttons on the front/side panel control your TV's basic features, including the on-screen menu. To use the more advanced features, you must use the remote control.



1 TV/VIDEO & 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.

2 MENU

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

3 VOL - , +

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

4 CH▼ and CH▲

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

5 Remote Control Sensor & STANDBY indicator

Aim the remote control towards this spot on the TV. Lights up when you turn the power off.

6 POWER

Press to turn the TV on and off.

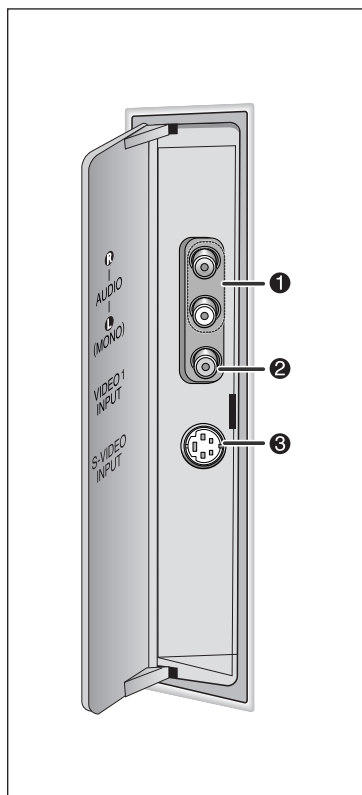
Note

The Touch-Sensitive buttons do not work.

- Did you use a light touch when pressing the buttons?
- Is the Power Plug correctly connected to the outlet?
- Did you use your finger to touch the button(using a pen or pencil may not work)?

Side Panel Jacks

You can use the side panel jacks to 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.)



❶ AUDIO INPUT jacks

Use to connect the audio signals from a camcorder or a video game.

❷ VIDEO1 INPUT jack

Use to connect a video signal from a camcorder or a video game.

❸ S-VIDEO INPUT jack

Use to connect an S-Video signal from a camcorder or a video game.

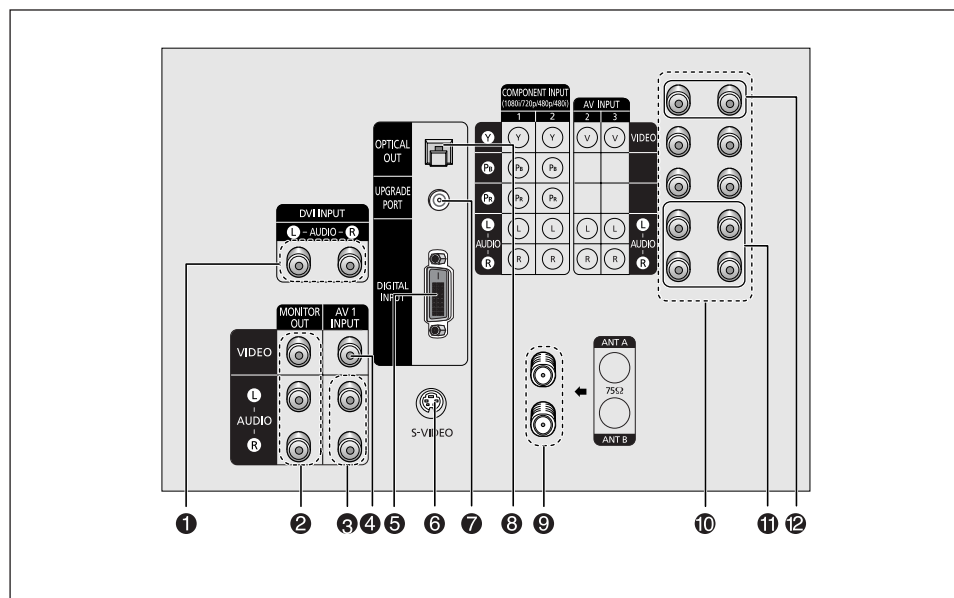
Note: In S-Video mode, Audio Output depends what kind of audio input source is connected to the side audio input jacks (AV1).

Rear Panel Jacks

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

Your TV has several input jacks, so you can connect different A/V components simultaneously (i.e., a VCR and a DVD, 2 VCRs, etc.).

For more information on connecting equipment, see page 14~24.



1 DVI (Digital Visual Interface) AUDIO INPUT jacks

Receives the digital audio signals from AV devices.

2 AUDIO-VIDEO MONITOR OUTPUT jacks

Connect to the audio/video input jacks of a recording VCR.

3 11 AUDIO INPUT 1, 2, 3 jacks

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

4 12 VIDEO INPUT 1, 2, 3 jacks

Connect to the video output jacks of VCRs, DVD players and similar devices (Three sets are available: Video1, Video2 and Video3).

5 DIGITAL VIDEO INPUT (Digital Visual Interface) jack

Receives the digital signals from a Set-top Box.

6 S-VIDEO INPUT jack

Connect to S-VIDEO output jacks of an S-VHS VCR or DVD player.

Note: In S-Video mode, Audio Output depends what kind of audio input source is connected to the side audio input jacks (AV1).

7 UPGRADE PORT

For service only.

8 OPTICAL OUTPUT jack

Connect to a Digital Audio component.

9 ANTENNA terminals

Two independent cables or antennas can be connected to these terminals. Use ANT A and ANT B terminals to receive a signal from VHF/UHF antennas or your cable system.

10 COMPONENT 1, 2 (480i, 480p, 720p, 1080i) AUDIO/VIDEO INPUT jacks

Connect to the Audio & Video outputs of DVD or DTV Set-Top-Box.

YOUR NEW DIGITAL TV

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 Set-Top Box, VCR, Cable Box and DVD. See page 75 for details.

1 POWER

Turns the TV on and off.

2 ANTENNA

Press to select ANT A or ANT B.

3 TV/COMP.

Press to switch the TV, COMPONENT1, 2 or DVI mode.

4 Number buttons

Press to select channels directly on the TV.

5 +100

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

6 VOL +, VOL -

Press to increase or decrease the volume.

7 MUTE

Press to temporarily cut off the sound.

8 GUIDE

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

9 MENU

Displays the main on-screen menu.

10 Up/Down Left/Right buttons

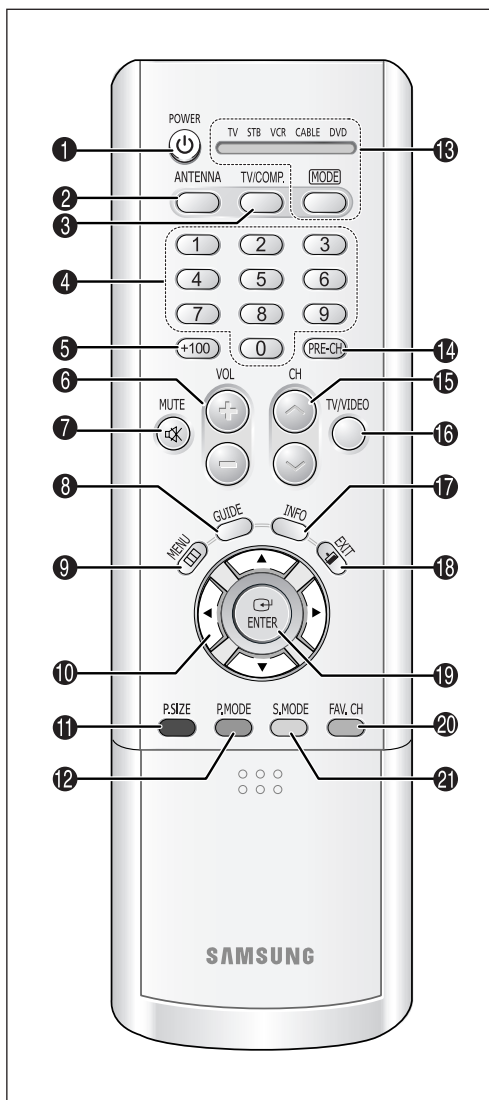
Press to select highlight up, down, left, or right.

11 P.SIZE

Press to change the screen size.

12 P.MODE

Adjust the TV picture by selecting one of the preset factory settings (or select your personal, customized picture settings).



13 MODE

Selects a target device to be controlled by the Samsung remote control (i.e., TV, STB, VCR, Cable box or DVD).

14 PRE-CH

Tunes to the previous channel.

15 CH ^ and CH v (Channel Up/Down)

Press CH ^ or CH v to change channels.

16 TV/VIDEO

Press to display all of the available video sources (i.e., Video1, Video2, Video3, S-Video).

17 INFO

Press to display information about the current box settings and program.

18 EXIT

Press to exit the menu.

19 ENTER

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

20 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).

YOUR NEW DIGITAL TV

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 tape functions: Rewind, Play, Fast Forward, Stop, Pause.

REW (Rewind)

Press to rewind a tape in your VCR.

STOP

Press this button to stop a tape during play, record, rewind or fast forward. If the button is pressed during Full-Automatic play, the function will be cancelled.

PLAY/PAUSE

Press the Play/Pause button to play back prerecorded tapes or pause the tape.

FF

Press to fast forward the tape in your VCR.

27 SET

Used during set up of this Samsung remote control, so that it will work compatibly with other devices (VCR, cable box, DVD.)

28 SLEEP

Press to select a preset time interval for automatic shutoff.

29 MTS (Multi-channel Television Sound)

Press to choose stereo, mono or Secondary Audio Program (SAP broadcast).

30 R.SURF

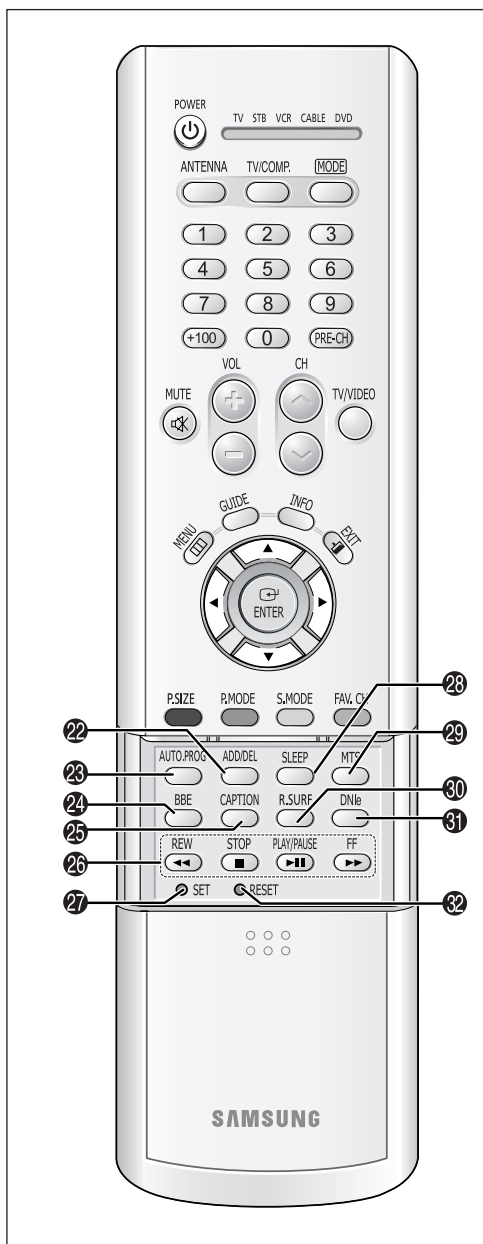
Press the R.SURF button to automatically return to a preferred channel after a user-preset time delay.

31 DNLe

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.

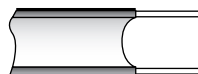


Chapter Two

INSTALLATION

Connecting VHF and UHF Antennas

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



If your antenna has one lead that looks like this, see “Antennas with 75-ohm Round Leads,” on page 15.



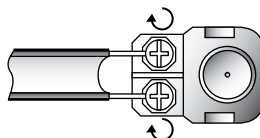
If you have two antennas, see “Separate VHF and UHF Antennas,” on page 15.

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.

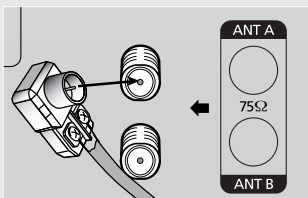
1

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

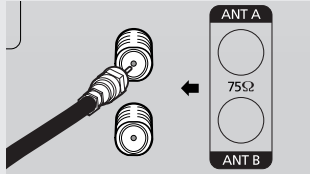
Plug the adaptor into the ANT A or ANT B terminal on the rear panel.



INSTALLATION

Antennas with 75-ohm Round Leads

Plug the antenna lead into the ANT A or ANT B terminal on the rear panel.

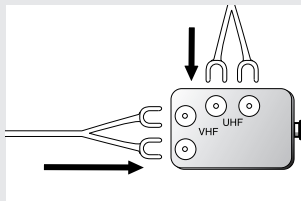


Separate VHF and UHF Antennas

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

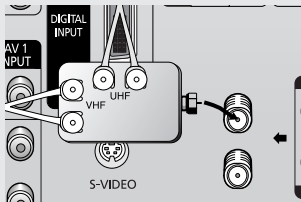
1

Connect both antenna leads to the combiner.



2

Plug the combiner into the ANT A or ANT B terminal on the rear panel.



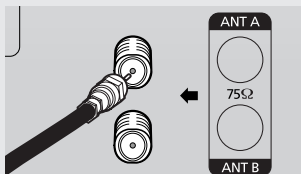
Connecting Cable TV

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:

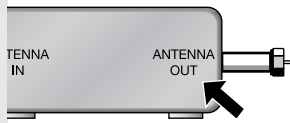
Plug the incoming cable into the ANT A or ANT B antenna terminal on the rear of the TV.



Cable with a Cable box that Descrambles All Channels

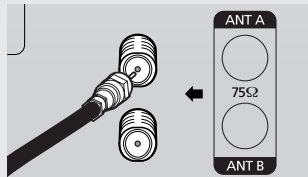
1

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 A or ANT B terminal on the rear of the TV.

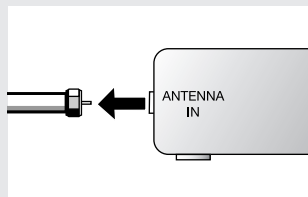


Connecting to a Cable Box that Descrambles Some Channels

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

1

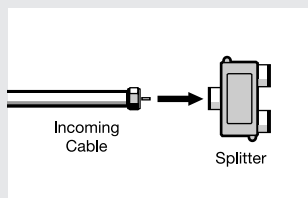
Find and disconnect the cable that is connected to the ANTENNA IN terminal on your cable box.



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

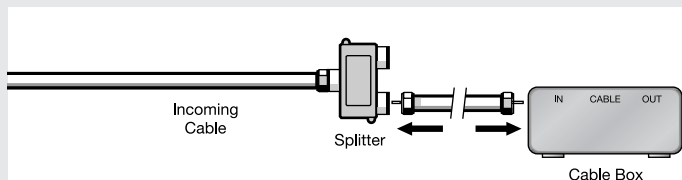
2

Connect this cable to a two-way splitter.



3

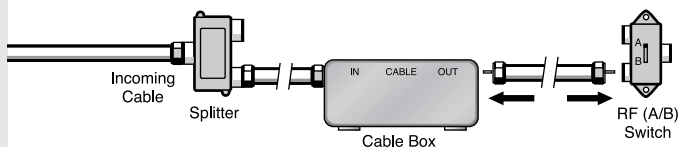
Connect a coaxial cable between an OUTPUT terminal on the splitter and the IN terminal on the cable box.



INSTALLATION

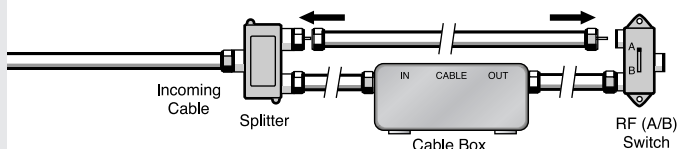
4

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



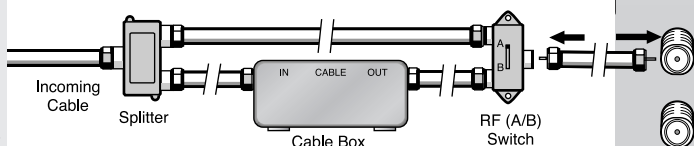
5

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



6

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



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

Connecting a VCR

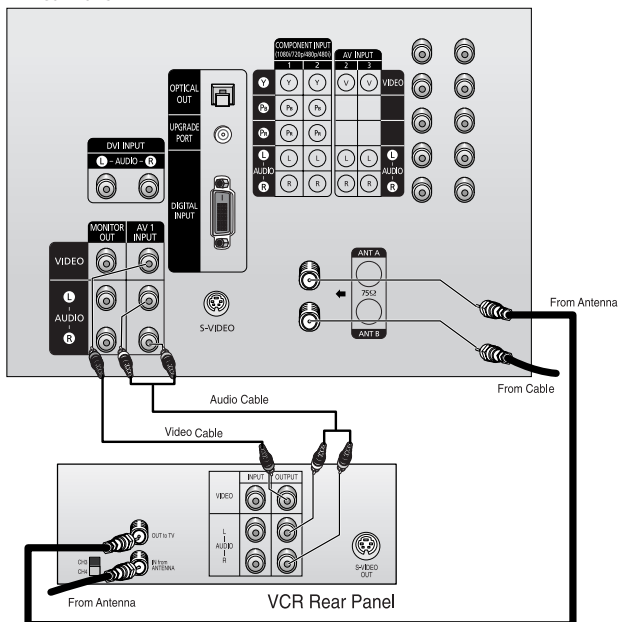
These instructions assume that you have already connected your TV to an antenna or a cable TV system (according to the instructions on pages 14~17). Skip step **1** if you have not yet connected to an antenna or a cable system.

- 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.

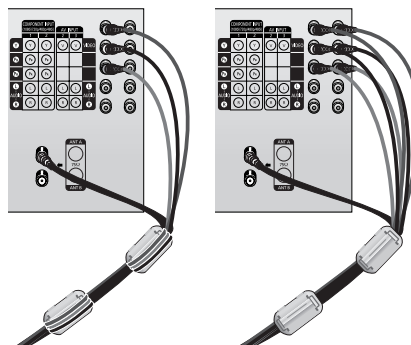
TV Rear Panel



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



INSTALLATION

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

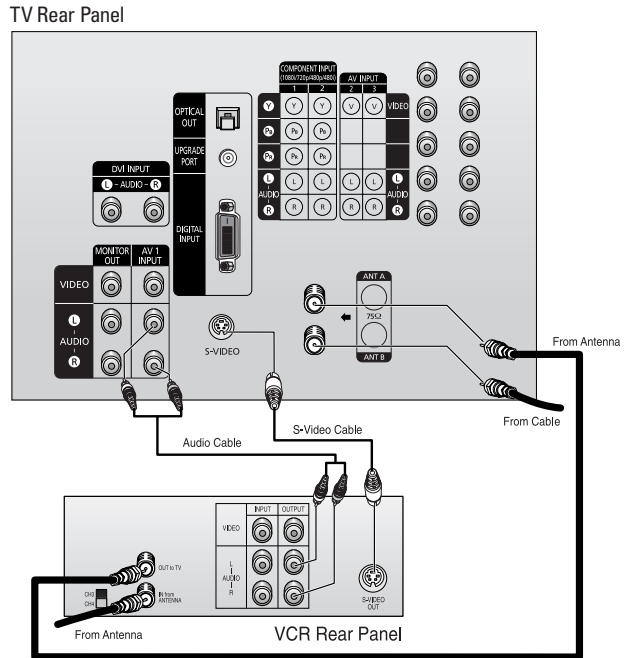
To begin, follow steps 1–3 in the previous section to connect the antenna or cable to your VCR and your TV.

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.



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:

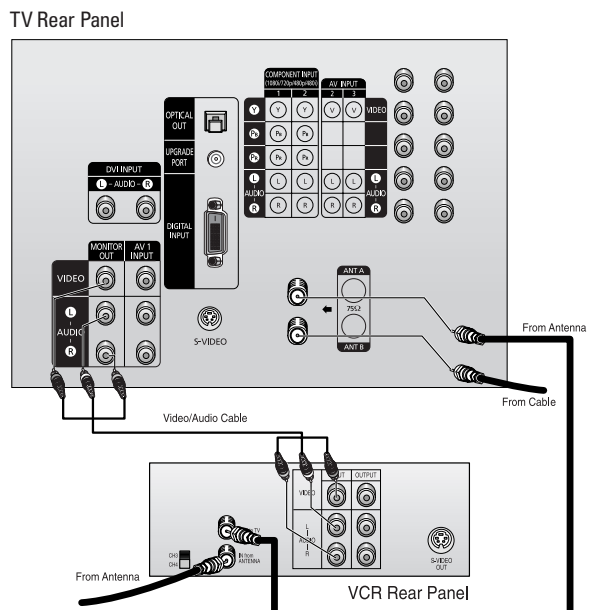
1

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.



Connecting a DVD Player

Connecting to Y, P_B, P_R

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

1

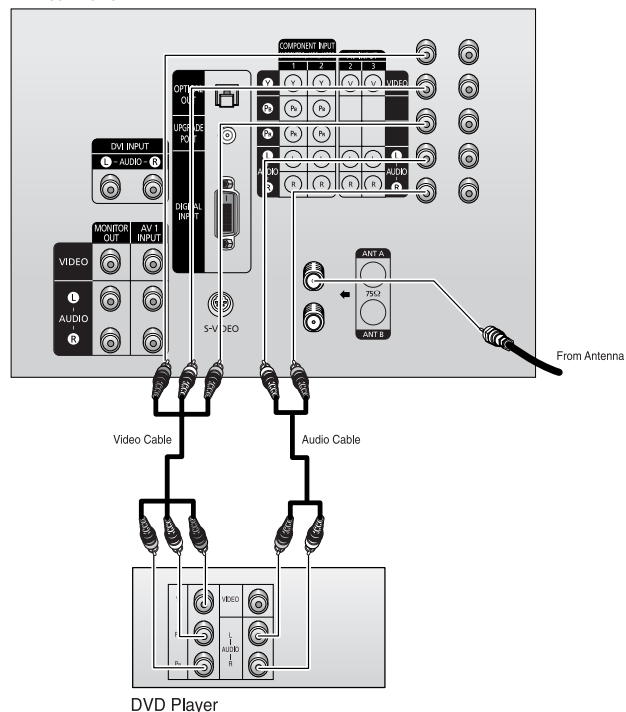
Connect a set of audio cables between the COMPONENT 1 INPUT (L, R) or COMPONENT 2 INPUT (L, R) jacks on the TV and the AUDIO OUT jacks on the DVD player.

2

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

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

TV Rear Panel



Connecting to Regular Audio and Video Jacks

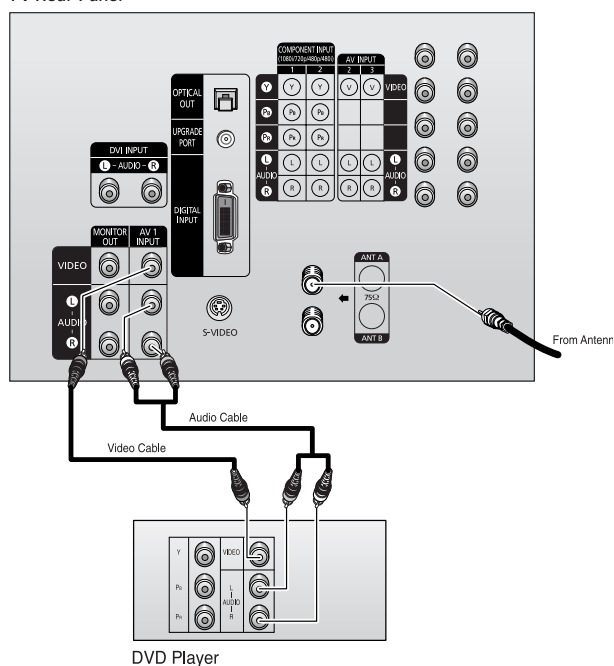
1

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.

TV Rear Panel



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 ANTENNA IN terminal on the Set-Top Box and the antenna terminal on the TV.

2

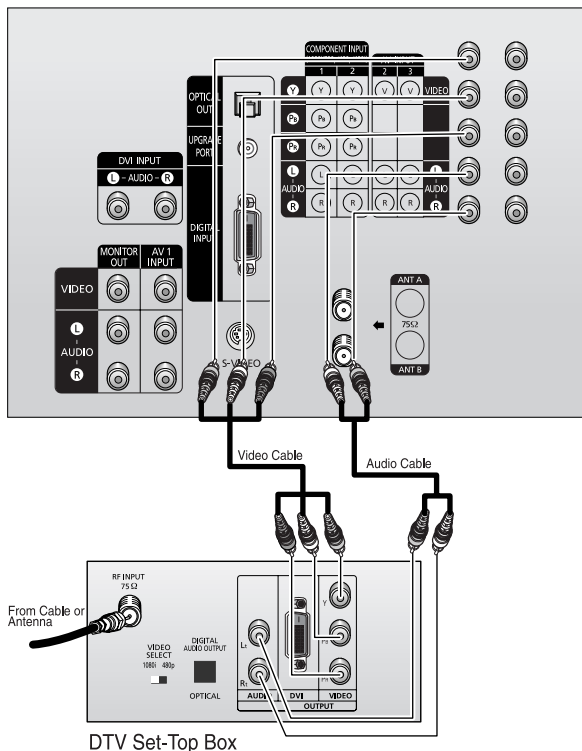
Connect a set of audio cables between the COMPONENT 1 INPUT (L, R) or COMPONENT 2 INPUT (L, R) jacks on the TV and the AUDIO OUT jacks on the Set Top Box.

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



Connecting to DVI (Digital Visual Interface)

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

1

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

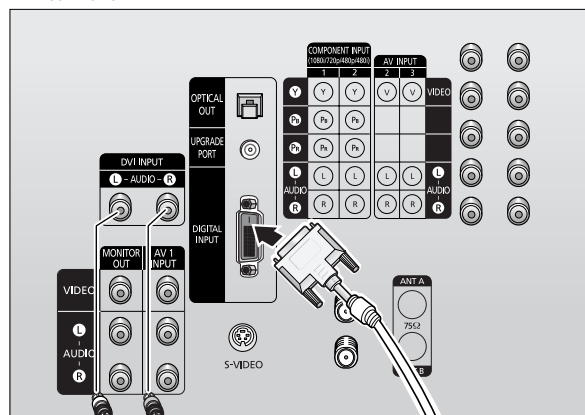
2

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

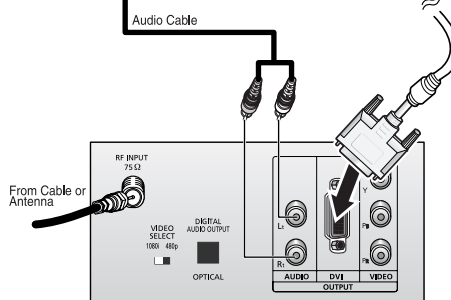
3

Connect a DVI cable between the DIGITAL INPUT jack on the TV and the DVI OUT jack on the Set Top Box.

TV Rear Panel



DVI 25-pin Cable



DTV Set-Top Box

Notes

- The DIGITAL INPUT jack can only be used with 1080i, 720p and 480p picture signals. Set the DTV decoder DIGITAL OUTPUT jack output setting to 1080i, 720p or 480p. For detailed information, refer to the Set Top Box instruction manual.
- The DIGITAL INPUT jack is not compatible with the picture signal of a personal computer.
- Use a DVI 25-pin cable (commercially available) in order to digitally connect the TV with a 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.

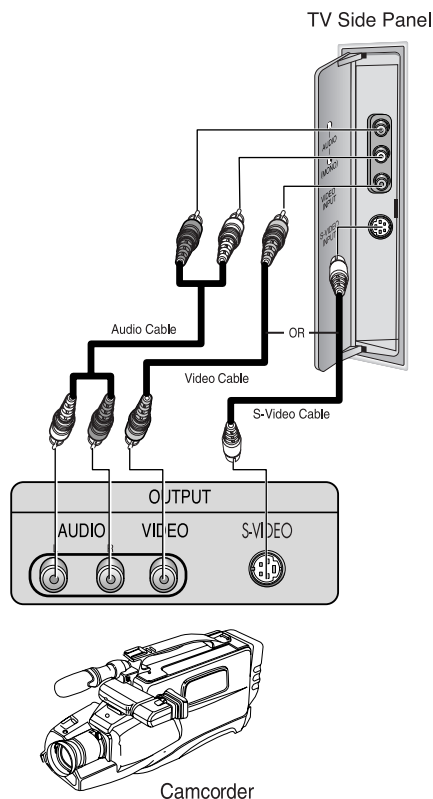
2

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.



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.

1

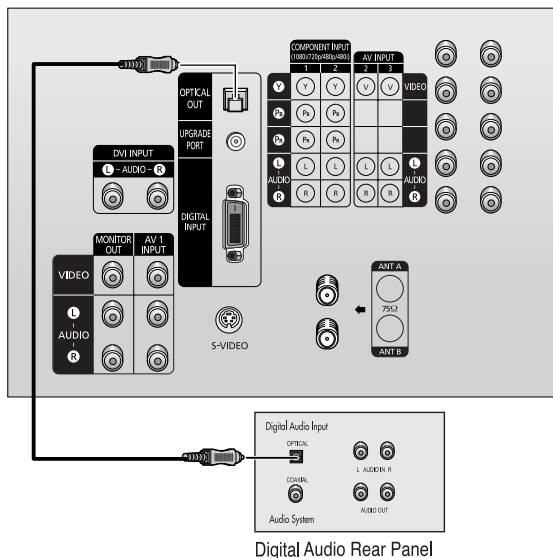
If your system has an optical digital audio input, connect it to the OPTICAL OUT jack on the TV.

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.

TV Rear Panel



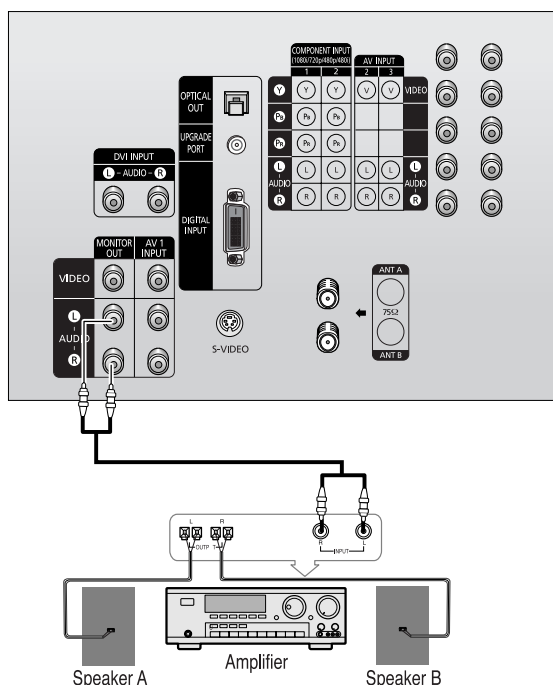
Connecting to an External Amplifier (Variable Audio Output)

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.

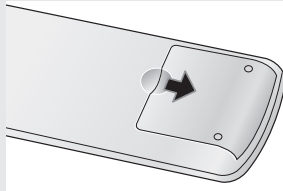
TV Rear Panel



Installing Batteries in the Remote Control

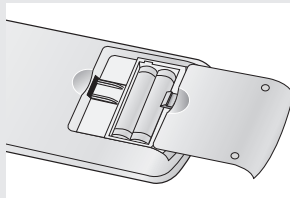
1

Slide the back cover all the way out to open the battery compartment of the remote control.



2

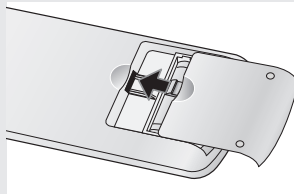
Install two AAA size batteries.



◀ 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.)

Chapter Three

OPERATION

Turning the TV On and Off

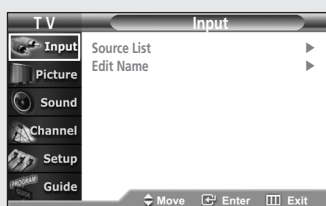
Press the **POWER** button.
You can also use the POWER button on the front panel.

Viewing the Menus and On-Screen Displays

Viewing the Menus

1

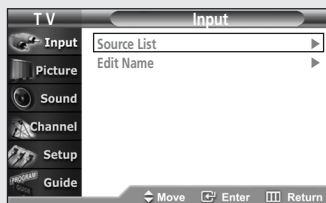
With the power on, press the **MENU** button.
The "Input" menu appears on the screen.
Its left side has six icons: Input, Picture, Sound, Channel, Setup and Guide.



◀ The on-screen menus disappear from the screen after 2 minutes.

2

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



◀ You can also use the **MENU**, **CHANNEL** and **VOLUME** buttons on the control panel of the TV to make selections.

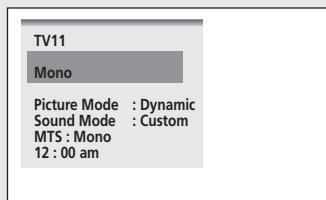
3

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 will display the Picture Mode, Sound Mode, MTS and Time.



◀ The on-screen displays disappear after ten seconds.

Selecting a Menu Language

1

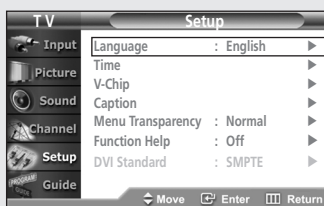
Press the **MENU** button.

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



2

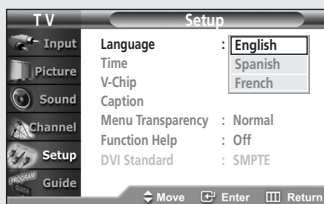
Press the **ENTER** button to select "Language".



3

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

Press the **EXIT** button to exit.



Selecting the Antenna Input

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

1

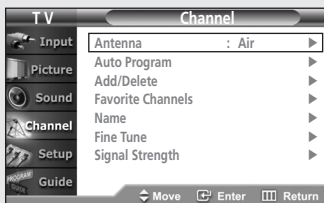
Press the **MENU** button.

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



2

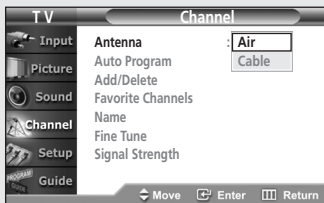
Press the **ENTER** button to select "Antenna".



3

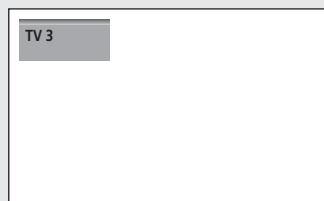
Press the **▲** or **▼** button to select "Air" or "Cable", then press the **ENTER** button.

Press the **EXIT** button to exit.



Alternate method:

Simply press the **ANTENNA** button on the remote control to select the signal source.



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 \wedge and CH \vee 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).

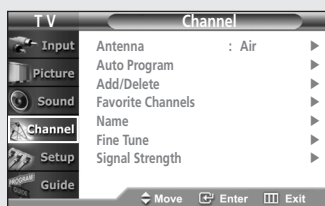
Selecting the Video Signal-source

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.

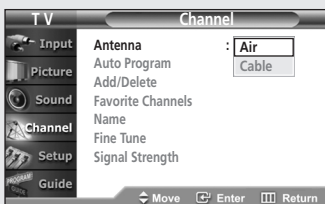
Press the \blacktriangle or \blacktriangledown button to select “Channel”, then press the **ENTER** button.



2

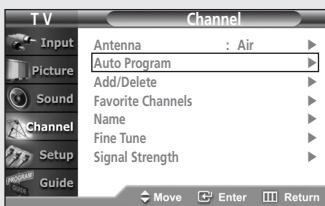
Press the **ENTER** button to select “Antenna”.

Press the \blacktriangle or \blacktriangledown button to select “Air” or “Cable”, then press the **ENTER** button.

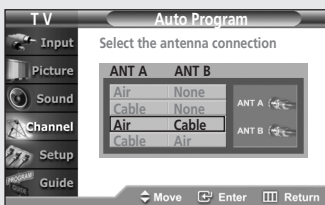


3

Press the \blacktriangle or \blacktriangledown button to select “Auto Program”, then press the **ENTER** button.



Alternate method:
Simply press the **AUTO. PROG** button on the remote control to select the Auto Program.



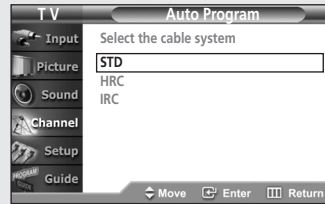
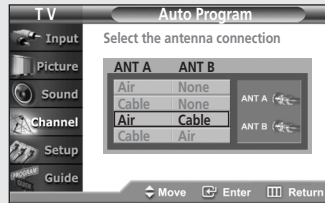
4

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.



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

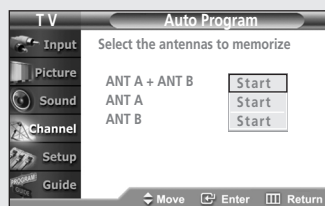
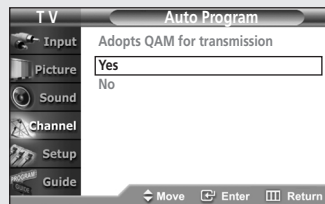
Notes

- STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area. At this point the signal source has been selected. Proceed to "Storing Channels in Memory".
- Subscription cable services require service-specific requirement for viewing.

Storing Channels in Memory

5

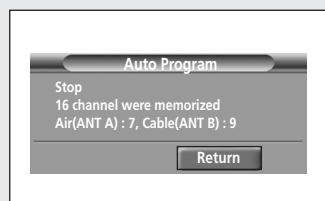
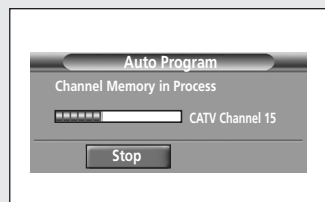
Press the ▲ or ▼ button to select the antenna to memorize, then press the **ENTER** button. The TV will begin memorizing all of the available channels.



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.



◀ 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

Use the number buttons to directly select the channel that will be added or erased.

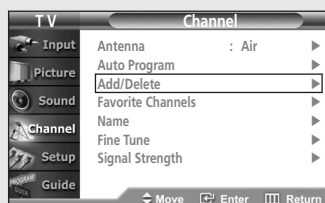
Press the **MENU** button.

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



2

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

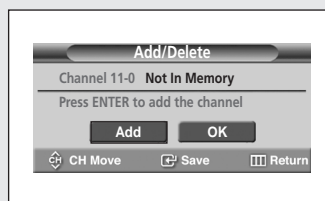


3

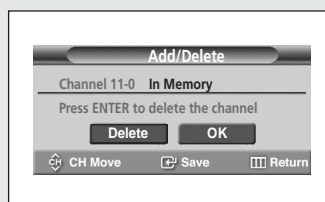
Repeatedly pressing the **ENTER** button will alternate between Add channel and Delete channel.

Press the number buttons (or CH **▲**/**▼** buttons) to switch to the appropriate channel, then repeat step 3.

Press the **EXIT** button to exit.



<Add channel>

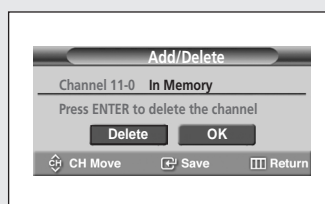


<Delete channel>

◀ To return to the previous step, move to "OK" by pressing the button and then press the **ENTER** button.

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.



Changing Channels

Using the Channel Buttons

Press the **CH \wedge** or **CH \vee** button to change channel.

When you press **CH \wedge** or **CH \vee** , 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 Previous Channel

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



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

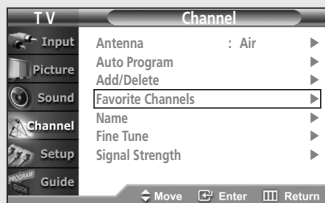
Press the **MENU** button.

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



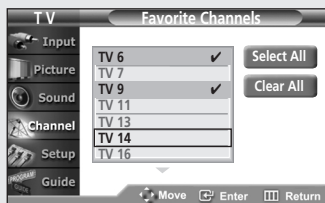
2

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



3

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

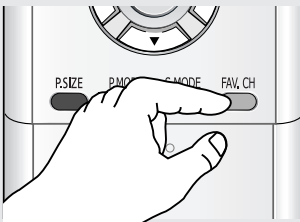


◀ Note: Only memorized channels can be set as Favorite channels.

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

To View Your Favorite Channels:

Press the **FAV.CH** button 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** \wedge or **CH** \vee button to tune to the channel that will be labeled.

2

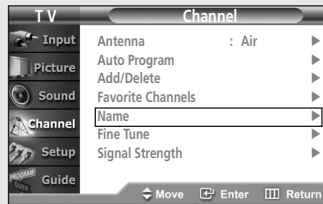
Press the **MENU** button.

Press the \blacktriangle or \blacktriangledown button to select “Channel”, then press the **ENTER** button.



3

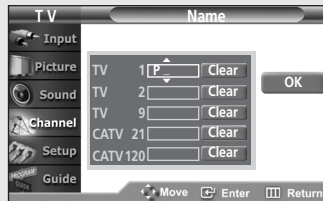
Press the \blacktriangle or \blacktriangledown button to select “Name”, then press the **ENTER** button.



4

Press the **ENTER** button again. (Each label has five fields).

Press the \blacktriangle or \blacktriangledown button to select a letter, a number or a blank. (Results in this sequence: A, B ... Z, blank, /, 0, 1, ... 9).



5

Press the \blacktriangleright button to switch to the next field, which will be selected. Select a second letter or digit pressing \blacktriangle or \blacktriangledown button, as above. Repeat the process to select the last three digits.

Press the **EXIT** button to exit.



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

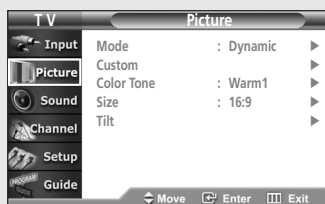
You can use the on-screen menus to change the contrast, brightness, sharpness, color and tint according to personal preference. (Alternatively, you can use one of the “automatic” settings. See next page.)

Customizing the Picture

1

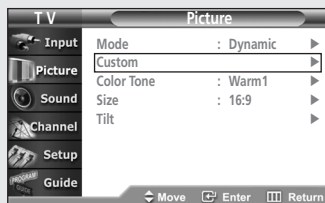
Press the **MENU** button.

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



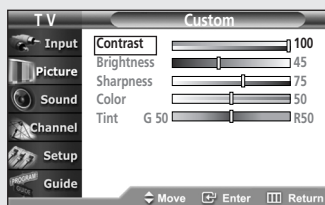
2

Press the **▲** or **▼** button to select “Custom”, then press the **ENTER** button. (The items Contrast, Brightness, Sharpness, Color and Tint will appear on the screen.)



3

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



4

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

Press the **EXIT** button to exit.



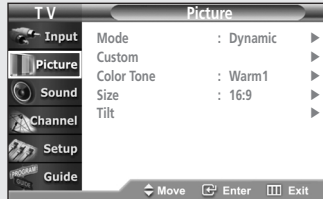
Using Automatic Picture Settings

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

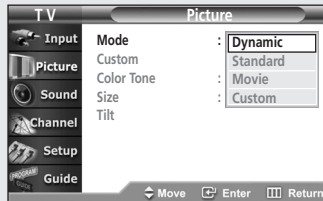


2

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

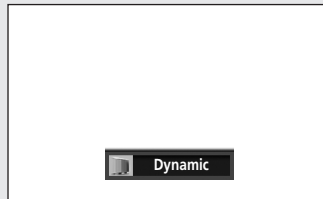
Press the **▲** or **▼** button to select the “Dynamic”, “Standard”, “Movie” or “Custom” picture setting.

Press the **EXIT** button to exit.



Alternate method:

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



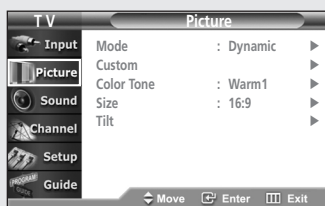
- Choose *Dynamic* for viewing the TV during the day or when there is a bright light in the room.
- Choose *Standard* for the standard factory settings.
- Choose *Movie* when viewing a Movie.
- Choose *Custom* if you want to adjust the settings according to personal preference (see “Customizing the Picture, page 35).

Selecting the Color Tone

1

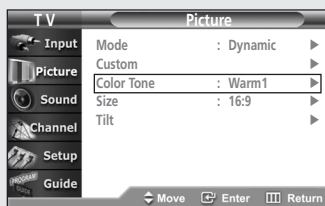
Press the **MENU** button.

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



2

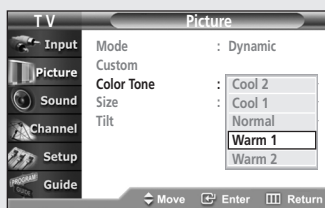
Press the **▲** or **▼** button to select "Color Tone", then press the **ENTER** button.



3

Press the **▲** or **▼** button to select "Cool 2", "Cool 1", "Normal", "Warm 1" or "Warm 2"

Press the **EXIT** button to exit.



Sound Control

Adjusting the Volume

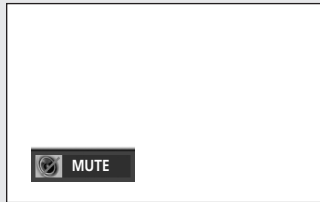
Press the **VOL +** or **VOL -** buttons to increase or decrease the volume.

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 word "MUTE" will appear in the lower-left corner of the screen.



2

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

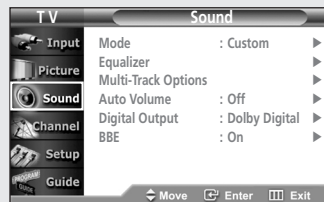
Customizing the Sound

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

1

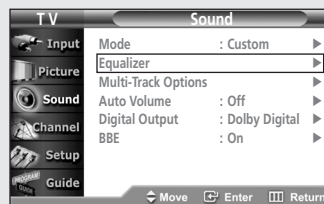
Press the **MENU** button.

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



2

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

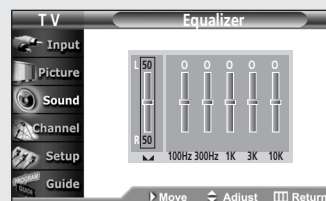


3

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.



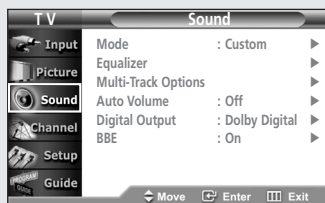
Using Automatic Sound Settings

Your TV has four 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.

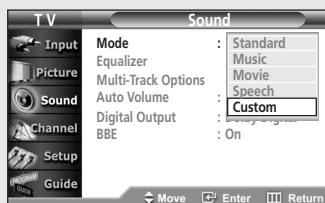
Press the **▲** or **▼** button to select “Sound”, then press the **ENTER** button.



2

Press the **ENTER** button, then press the **▲** or **▼** button to select one of Automatic sound settings.

Press the **EXIT** button to exit.



Alternate method:

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



- Choose *Standard* for the standard factory settings.
- Choose *Music* when watching music videos or concerts.
- Choose *Movie* when watching movies.
- Choose *Speech* when watching a show that is mostly 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 INFO.)

Option 1: Setting the Clock Manually

1

Press the **MENU** button.

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



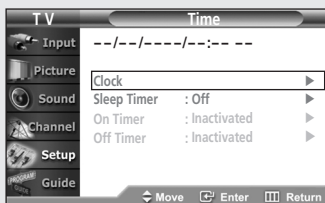
2

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



3

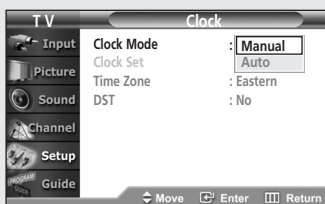
Press the **ENTER** button to select "Clock".



4

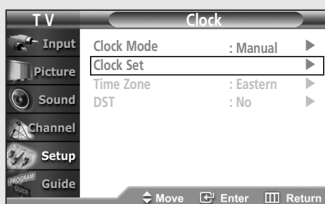
Press the **ENTER** button to select "Clock Mode".

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



5

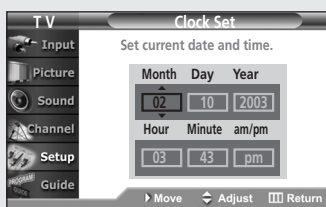
Press the **▲** or **▼** button to select "Clock Set", then press the **ENTER** button.



6

Set the month you want by pressing the ▲ or ▼ button, then press the ► button to move to the next step. Set other items using the same method as listed above.

Press the **EXIT** button to exit.



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

Note

- You can set the date and time directly by pressing the number buttons on the remote control.

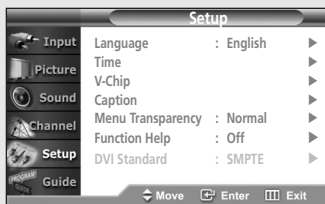
Option 2: Setting the Clock Automatically

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

1

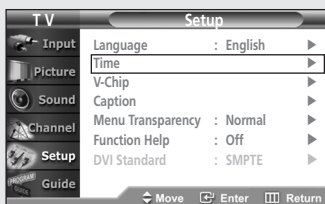
Press the **MENU** button.

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



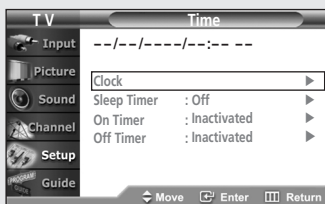
2

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



3

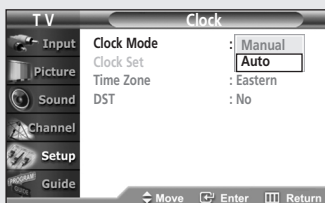
Press the **ENTER** button to select "Clock".



4

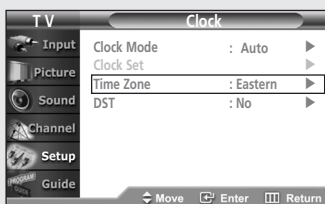
Press the **ENTER** button to select "Clock Mode".

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



5

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



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.



◀ The set time can be changed according to the broadcasting station and signal when you set up Auto Time.

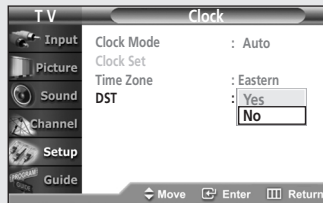
If there is a difference between the real time and set time, please use "Manual Time Setup".

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.



Viewing an External Signal Source

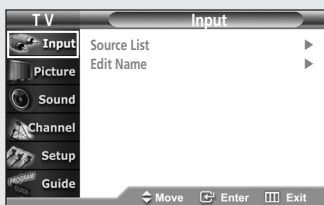
Use the remote control to switch between viewing signals from connected equipment, such as VCR, DVD, Set-Top box and the TV source (broadcast or cable).

Setting the Signal Source

1

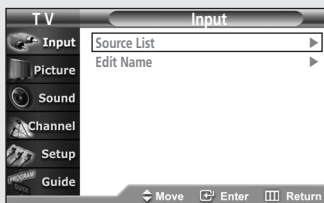
Press the **MENU** button.

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



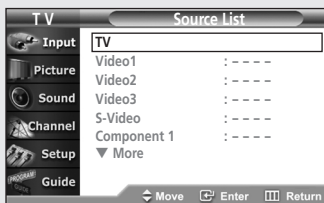
2

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



3

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



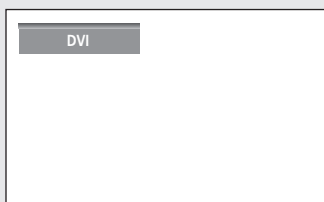
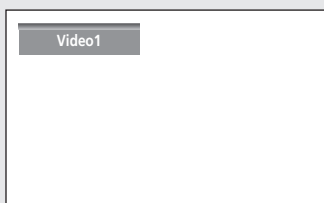
When you connect equipment to the TV, you can choose between the following sets of jacks : Video 1, S-Video on the TV's side panel or Video 1, Video 2, Video 3, S-Video, Component 1, Component 2 or DVI on the TV's rear panel.

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, DVI.



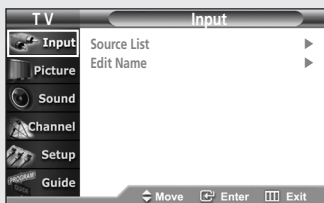
Assigning Names to External sources

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

1

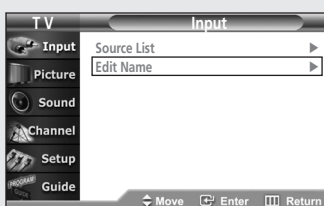
Press the **MENU** button.

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



2

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

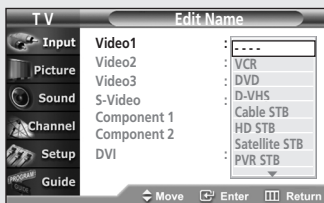


3

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, DVI) using the same method as listed above.

Press the **EXIT** button to exit.

Chapter Four

SPECIAL FEATURES

Analog Fine Tuning Analog Channels

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

1

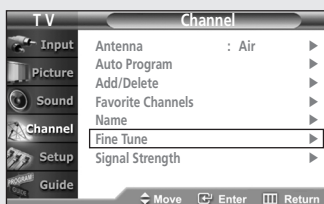
Press the **MENU** button.

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



2

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



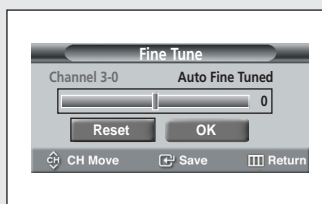
3

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.



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

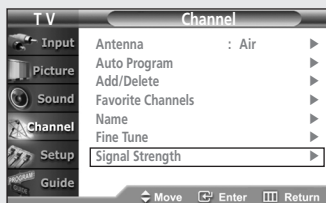
Press the **MENU** button.

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



2

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

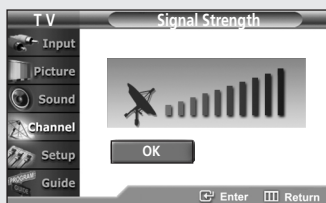


3

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.



Note

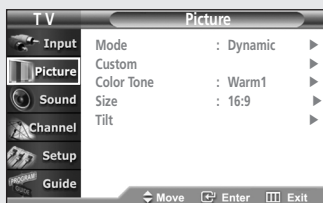
- “No Signal” may appear on the screen depending on the broadcasting station conditions, even though an incoming broadcast signal exists.

Changing the Screen Size

1

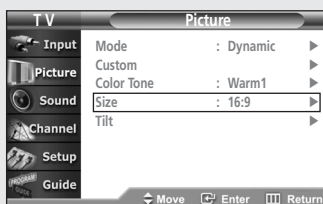
Press the **MENU** button.

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



2

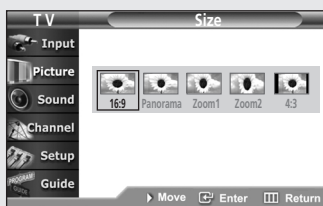
Press the **▲** or **▼** button to select "Size", then press the **ENTER** button.



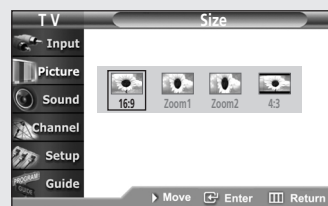
3

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

Press the **EXIT** button to exit.



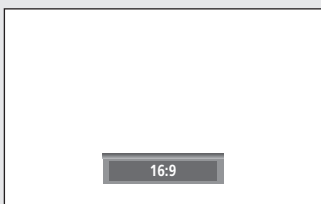
TX-P2670WH/TX-P2675WH/
TX-P3071WH/TX-P3075WH



TX-P2775WH/TX-P3275WH
TX-P3271WH

Alternate method:

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



- 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

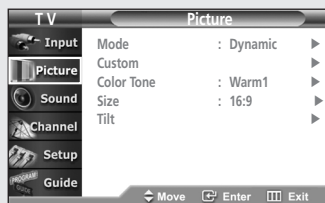
Tilt

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

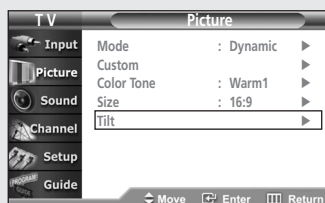
Press the **MENU** button.

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



2

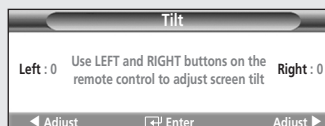
Press the **▲** or **▼** button to select "Tilt", then press the **ENTER** button.



3

Press the **◀** and **▶** buttons to adjust screen Tilt, then press the **ENTER** button.

Press the **EXIT** button to exit.



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”.

A rectangular box representing the TV screen. In the top-left corner, there is a small grey rectangle containing the text "SURF Off".

SURF Off

2

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

A rectangular box representing the TV screen. In the top-left corner, there is a small grey rectangle containing the text "SURF 0 : 30".

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)

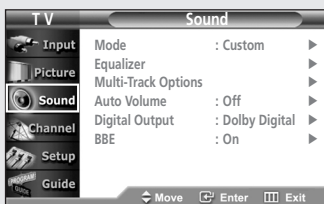
Auto Volume

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

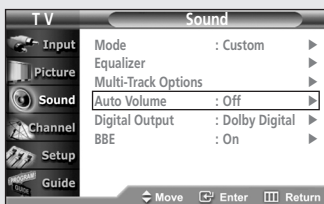
Press the **MENU** button.

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



2

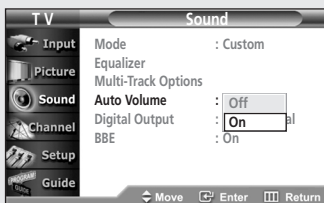
Press the **▲** or **▼** button to select "Auto Volume", then press the **ENTER** button.



3

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

Press the **EXIT** button to exit



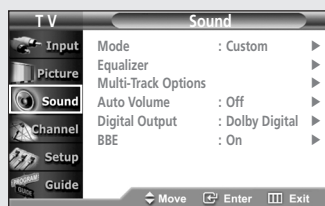
BBE

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

1

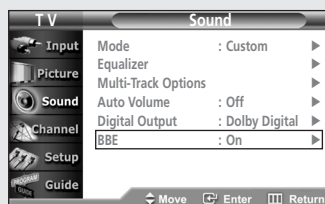
Press the **MENU** button.

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



2

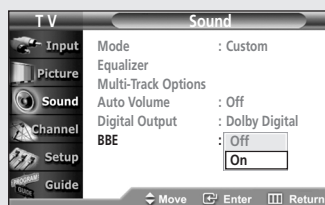
Press the **▲** or **▼** button to select "BBE", then press the **ENTER** button.



3

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

Press the **EXIT** button to exit.



Alternate method:

Simply press the **BBE** button on the remote control to select BBE "on".



Choosing a Multi-Channel Sound (MTS) Soundtrack

Digital

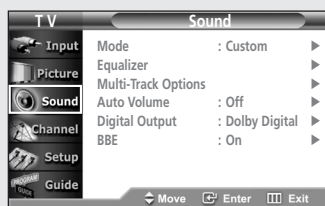
When a Digital Signal is received

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

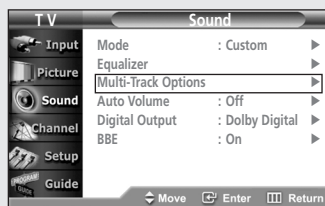
Press the **MENU** button.

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



2

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

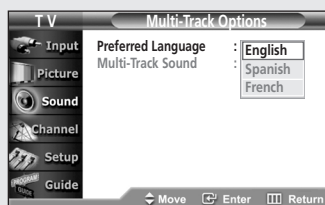


3

Press the **ENTER** button to select “Preferred Language”.

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

Press the **EXIT** button to exit



◀ The text at the bottom of the menu tells you if the incoming audio is English, Spanish or French.

Alternate method:

Simply press the **MTS** button on the remote control to select language.



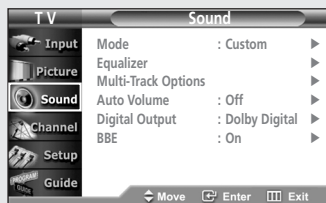
Analog**When an Analog Signal is received**

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

1

Press the **MENU** button.

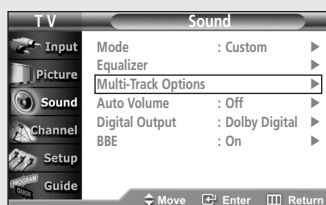
Press the **▲** or **▼** button to select "Sound", then press the **ENTER** button.



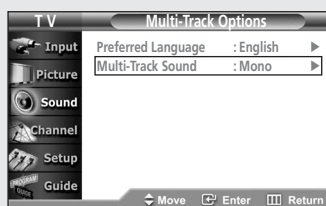
◀ Quick way to access the MTS menu: Just press the "MTS" button on the remote control.

2

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

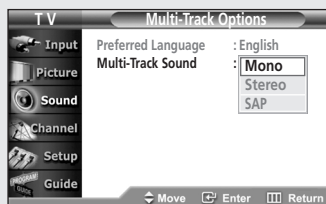
**3**

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

**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

**Alternate method:**

Simply press the **MTS** button on the remote control to select Mono, Stereo or 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.

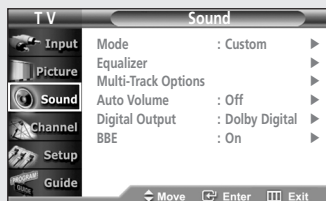
Digital Choosing a Digital Sound Format

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

1

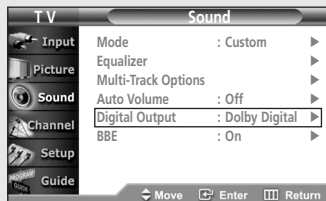
Press the **MENU** button.

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



2

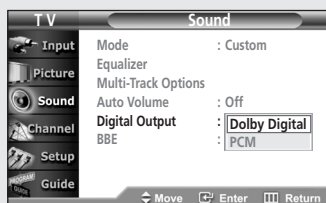
Press the **▲** or **▼** button to select “Digital Output”, then press the **ENTER** button.



3

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

Press the **EXIT** button to exit.



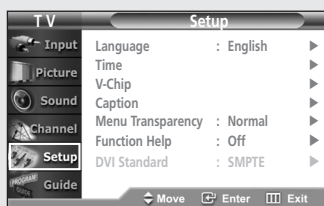
Manufactured under license from Dolby Laboratories.
“Dolby” and the double D-symbol are trademarks of Dolby Laboratories.

Setting the On/Off Timer

1

Press the **MENU** button.

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



◀ Before using the timer, you must set the TV's clock. (See "Setting the Clock" on page 40).

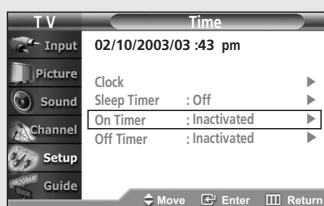
2

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



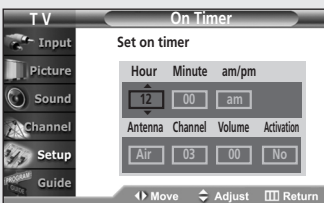
3

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



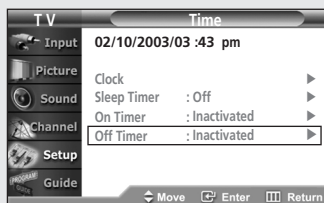
4

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.



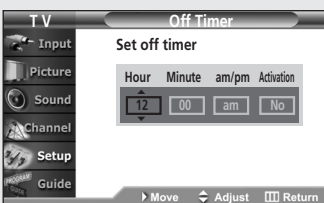
5

Set the Off Timer, press the **▲** or **▼** button to select "Off Timer", then press the **ENTER** button.



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.



Setting the Sleep Timer

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

1

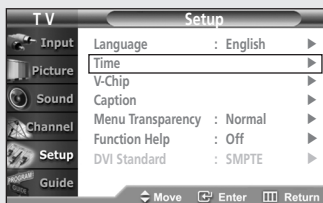
Press the **MENU** button.

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



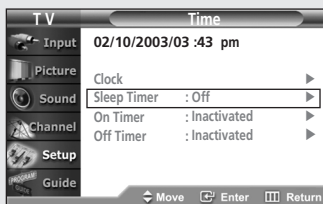
2

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



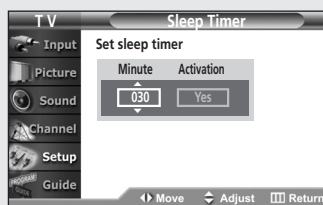
3

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



4

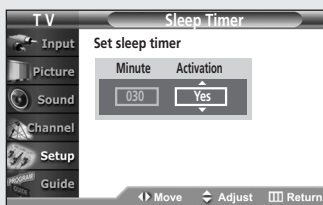
Press the **▲** or **▼** button to adjust to the minute you want, then press the **▶** button to move to the next step.



5

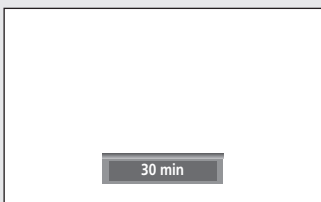
Press the **▲** or **▼** button to select "Yes" or "No", then press the **ENTER** button.

Press the **EXIT** button to exit.



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 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

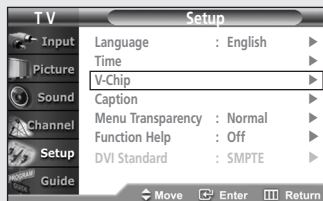
Press the **MENU** button.

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



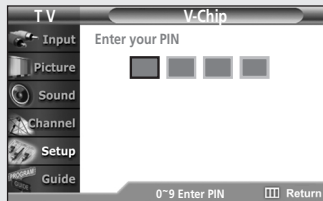
2

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



3

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



Note

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

4

Press the **▲** or **▼** button to select “Enter New PIN”, then press the **ENTER** button.

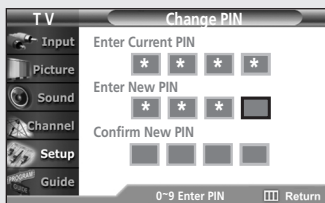


5

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.



◀ Password Error:

- If you forget the password, re-do steps 1~2.
At step 3, when the display asks you to enter the current password, press the master buttons (INFO, 1, 8 and 2). Enter a new password and proceed with steps 4~5.
- The master buttons are available only in the V-chip menu and cannot be operated during normal viewing. (If the display asks you to enter the password while blocked, the master buttons cannot be operated.)
- The V-chip feature doesn't operate with D-VHS recordings.

How to Set up Restrictions Using the “TV Parental Guidelines”

Parental restrictions can be set up using either of two methods: The TV guidelines or the MPAA rating.

1

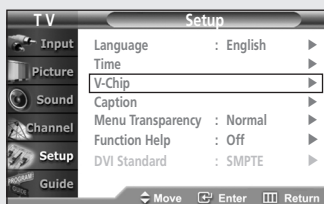
Press the **MENU** button.

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



2

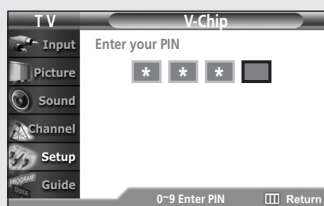
Press the **▲** or **▼** button to select “V-Chip”, then press the **ENTER** button.



3

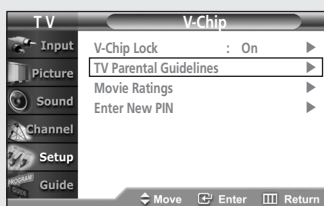
Enter your password correctly.

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



4

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

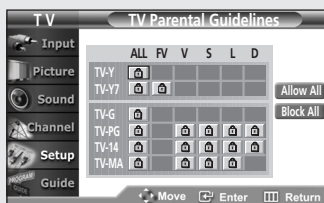


5

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-Y	Young children
TV-Y7	Children 7 and over
<hr/>	
TV-G	General audience
TV-PG	Parent Guidance
TV-14	Viewers 14 and over
TV-MA	Mature audience

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

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

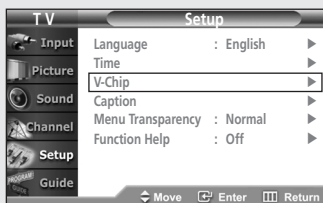
Press the **MENU** button.

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



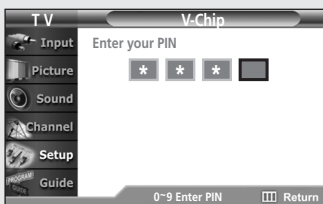
2

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



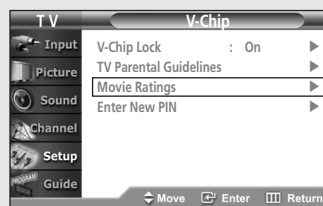
3

Enter your password correctly.



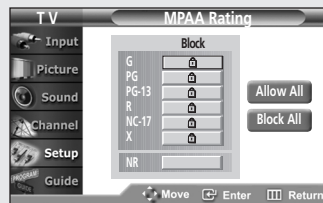
4

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



5

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



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

Pressing the **ENTER** button repeatedly will activate or deactivate the appropriate restrictions for Movie rating system.

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 vio-

lence, no strong language, and little or no sexual dialogue or situations.

TV-Y7

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

TV-Y

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

TV (FCC) Content Category

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

MPAA Rating System (Movies)

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

- TV (FCC) ratings: The particular rating that you have selected will be locked (and indicated as a red "L" on a blue background). Also, all of the age-based ratings will be locked within the particular group (i.e., "group 1" or "group 2"). Suppose that the TV-G rating and all of its contents (V, S, L, and D) are locked. In that case, more restrictive ratings (TV-PG, TV-14, and TV-MA) and all of their contents (V, S, L, and D) are automatically locked as well.
- MPAA ratings: The particular rating that you have selected will be locked. In addition, more restrictive ratings will be locked as well.
- Neither TV (FCC) ratings nor MPAA ratings apply to news programs.

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

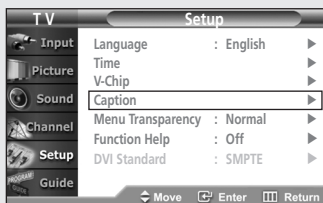
Press the **MENU** button.

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



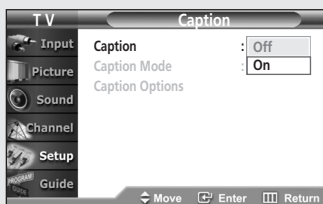
2

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



3

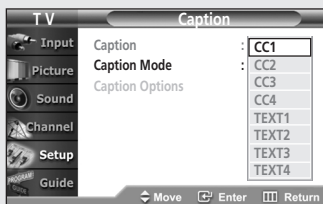
Press the **ENTER** button. Press the **▲** or **▼** button to select "On", then press the **ENTER** button.



4

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

Press the **EXIT** button to exit.



◀ Notes

- The Caption feature doesn't work in DVI 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".



Digital**Setting Up Digital Captions (On-Screen Text Messages)**

The Digital Captions function operates on digital channels.

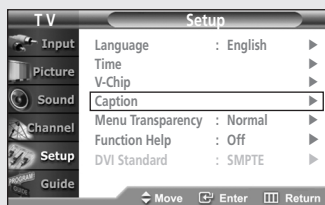
1

Press the **MENU** button.

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

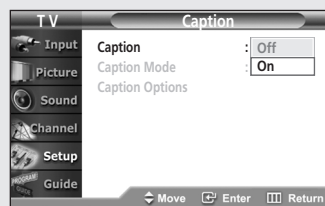
**2**

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

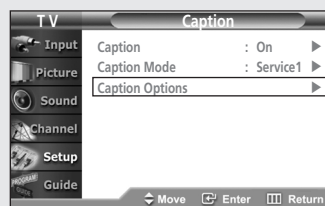
**3**

Press the **ENTER** button.

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

**4**

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

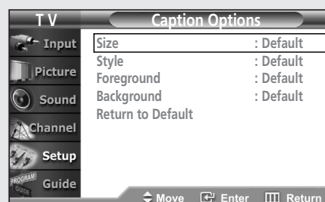


◀ Notes

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.



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.



2

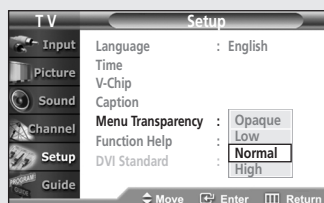
Press the **▲** or **▼** button to select "Menu Transparency", then press the **ENTER** button.



3

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

Press the **EXIT** button to exit.



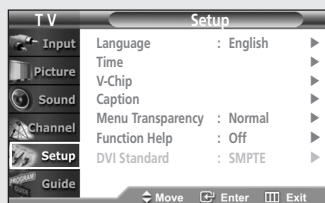
Setting the Function Help

Displays help on the menu functions.

1

Press the **MENU** button.

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



2

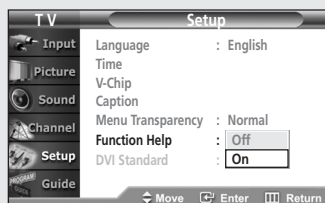
Press the **▲** or **▼** button to select "Function Help", then press the **ENTER** button.



3

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

Press the **EXIT** button to exit.



? Activates Help functions for menu items.

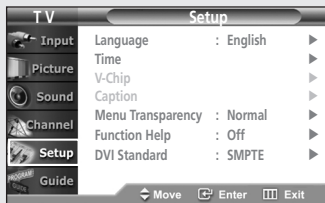
Setting the DVI Standard

When your set top box is connected through the DVI input, the picture may shift to the left or right if the correct DVI standard is not selected. To select the correct DVI standard.

1

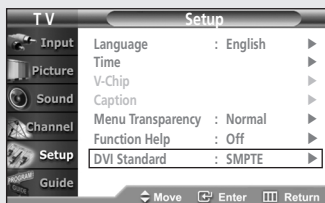
Press the **MENU** button.

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



2

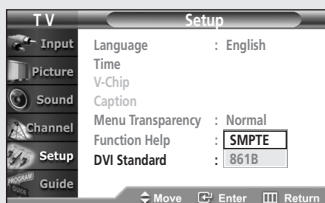
Press the **▲** or **▼** button to select "DVI Standard", then press the **ENTER** button.



3

Press the **▲** or **▼** button to select "SMPTE" or "861B", then press the **ENTER** button.

Press the **EXIT** button to exit.



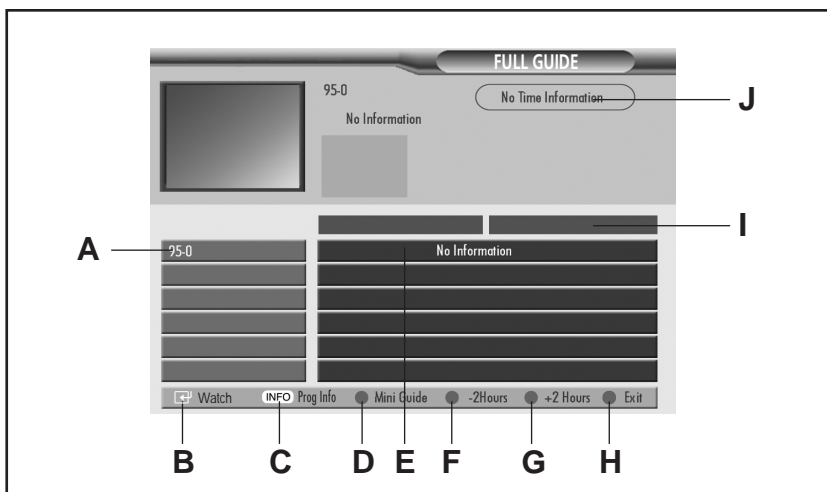
Note

- Depending on your STB(Set Top Box), the picture size may vary.

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

- | | |
|---|--|
| <p>A Displays which channel is currently selected to show program information in the Channel Guide.</p> <p>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.</p> <p>C Press to view detailed information for the selected digital program.</p> <p>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.</p> <p>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.</p> | <p>F Scrolls backwards quickly (2 hours). Press the Green button on the remote control.</p> <p>G Scrolls forward quickly (2 hours). Press the Yellow button on the remote control and repeatedly press ENTER until the appropriate time is displayed.</p> <p>H Exits from the Program Guide and returns to normal viewing mode. Press the Blue button on the remote control.</p> <p>I Displays the program times (arranged in 1 hour time blocks)</p> <p>J Displays the current time and date.</p> |
|---|--|

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

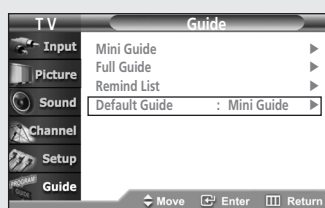
Press the **MENU** button.

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



2

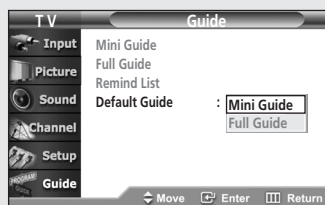
Press the **▲** or **▼** button to select "Default Guide", then press the **ENTER** button.



3

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

Press the **EXIT** button to exit.



- Mini Guide : Displays the guide for one channel.
- Full Guide : Displays the guide for all channels.

Viewing Information about a Single Channel

1

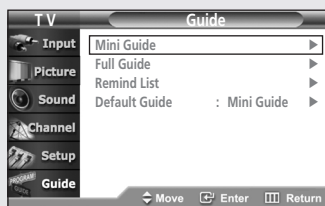
Press the **MENU** button.

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



2

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



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.



4

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

◀ **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 information for the selected digital program.

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

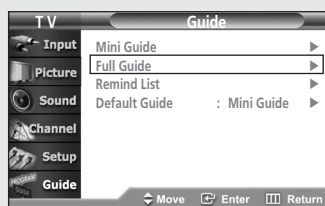
Press the **MENU** button.

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



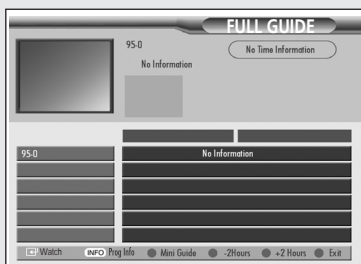
2

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



3

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



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

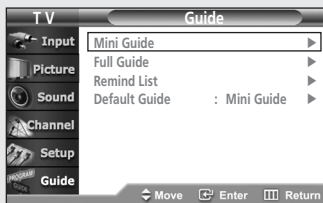
Press the **MENU** button.

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



2

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



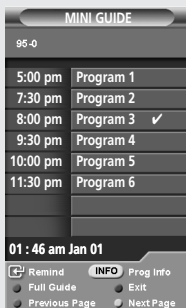
3

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.



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.

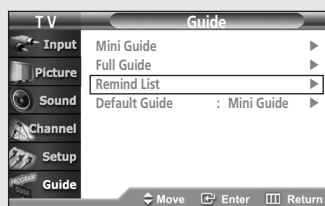


2

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.



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

SPECIAL FEATURES

Remote Control Codes

VCR Codes

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

Cable Box Codes

000	Samsung	020	Eastern International, Hamlin, Regal	038	GI, Jerrold	057	Tocom
001	Nawoo	021	Hamlin, Regal	039	Unika	058	Universal
002	TaePyungYang			040	Magnavox, Philips, Unika, Viewstar	059	
003	DeaRyung			041	Magnavox, Philips, Regency, Viewstar	060	
004	DongKuk			042	Hamlin	063	
005	DaeHan	022	Zenith	043	GI, Jerrold	065	Zenith
006	LG(Goldstar)	023	GI, Jerrold	044	Panasonic	066	Stargate 2000
007	Saewoo	024	Oak, Oak Sigma	045	Magnavox, Philips, Viewstar	067	Sylvania, Texscan
008	RCA	025	Tocom	046	Oak	069	Panasonic, Zenith
009	Regency	026	Pioneer	047	Panasonic	070	Jerrold
010	Hamlin, Panasonic, Regal, Samsung	027	Magnavox, Philips, Viewstar	048	Magnavox, Philips, Viewstar	071	Samsung
011	GI, Hamlin, Jerrold	028	Pioneer	049	Magnavox, Philips, Unika, Viewstar	073	
012	GI, Hamlin, Jerrold	029	Magnavox, Philips, Tocom, Viewstar	050	Zenith	074	
013	GI, Jerrold	030	Samsung	051	Hitachi, Macom	076	
014	Anvision, Cable Star, Eagle, Magnavox, Philips, Randtek, Viewstar	031	GI, Jerrold	052	Pioneer, Samsung, Warner Amex	077	GI
015	NSC	032	GI, Jerrold	054	General Instrument, Hitachi, Jerrold, Signature, Starcom		
016		033	GI, Jerrold	056	Hamlin		
017		034	Magnavox, Philips, Viewstar				
018		035	RCA, Panasonic, Sprucer				
019	Sylvania, Texscan	036	Magnavox, Philips, Viewstar				
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DVD Codes

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

Chapter Five

TROUBLESHOOTING

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

Identifying Problems

Problem	Possible Solution
Poor picture.	Try another channel. Adjust the antenna. Check all wire connections.
Poor sound quality.	Try another channel. Adjust the antenna.
No picture or sound.	Try another channel. Press the TV/Video button. Make sure the TV is plugged in. Check the antenna connections.
No color, wrong colors or tints.	Make sure the program is broadcast in color. Adjust the picture settings.
Picture rolls vertically.	Adjust the antenna. Check all wire connections.
The TV operates erratically.	Unplug the TV for 30 seconds, then try operating it again.
Your remote control does not operate your TV.	Press the "MODE" button to put your remote control in the "TV" mode.
The TV won't turn on.	Make sure the wall outlet is working.
Digital broadcasting screen problem	Please check the digital signal strength and input antenna.

Cleaning and Maintaining Your TV

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

Placement

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

Liquids

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

Cabinet

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

Temperature

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

Using Your TV in Another Country

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

Specifications

Model	TX-P2670WH TX-P2675WH	TX-P2775WH	TX-P3071WH TX-P3075WH	TX-P3275WH TX-P3271WH
Voltage	AC 120V			
Frequency of Operation	60Hz			
Dimensions (mm/inches)	800 x 553 x 505/31.50 x 21.77 x 19.88 810 x 515 x 535/31.89 x 20.28 x 21.06	762 x 519 x 600/30.0 x 20.43 x 23.62	880 x 600 x 555/34.65 x 23.62 x 21.85 898 x 559 x 587/35.35 x 22.01 x 23.11	911 x 579 x 703/35.87 x 22.80 x 27.68 880 x 585 x 690/34.65 x 23.03 x 27.16
Weight(Kg/lbs)	40.4/89.07 40.2/88.63	48.0/104.72	56.0/123.46 56.0/123.46	67.0/147.71 67.5/148.81

APPENDIX



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

**Samsung Electronics America
Service Division**

400 Valley Road, Suite 201
Mount Arlington, NJ 07856
www.samsungusa.com

**Samsung Electronics Canada Inc.
Samsung Customer Care**

7037 Financial Drive
Mississauga, Ontario
L5N 6R3
www.samsung.ca