

TX-P2028 TX-P2030 TX-P2034 TX-P2036 TX-P1430 TX-P1634

## **COLOR TELEVISION**

Owner's Instructions

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## **Chapter One**

YOUR NEW TV

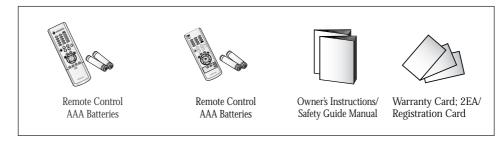
## **List of Features**

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

- Easy-to-use remote control
- Easy-to-use on-screen menu system
- Automatic timer to turn the TV on and off
- Adjustable picture and sound settings that can be stored in the TV's memory
- Automatic channel tuning for up to 181 channels
- A special filter to reduce or eliminate reception problems
- Fine tuning control for the sharpest picture possible
- Built-in, dual channel speakers
- A special sleep timer
- Surround, Turbo sound, Auto Volume
- V-Chip function

## **Accessories**

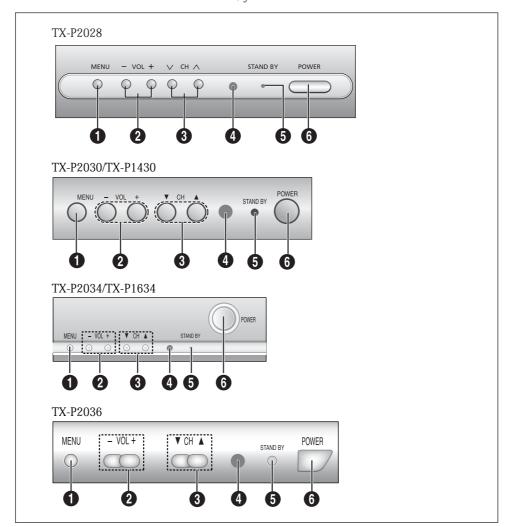
Once you have unpacked your TV, check to make sure that you have all the parts shown here. If any piece is missing or broken, call your dealer.



## Familiarizing Yourself with The TV

#### **Front Panel Buttons**

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



### MENU

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

## « VOL - , +

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

## $\mathsf{CH} \vee (\blacktriangledown) \text{ and } \mathsf{CH} \wedge (\blacktriangle)$

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

### Remote Control Sensor

 $\operatorname{\mathsf{Aim}}$  the remote control towards this spot on the TV.

## **STAND BY indicator**

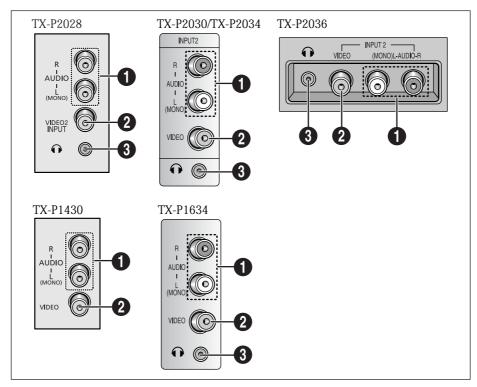
Lights up when you turn the power off.

#### fl POWER

Press to turn the TV on and off.

## **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 18.)



## **AUDIO INPUTS**

 $\label{eq:continuous} \mbox{Audio signals from VCRs, DVD players and similar devices.}$ 

## « VIDEO INPUT

Video signals from VCRs, DVD players and similar davices

## **HEADPHONE**

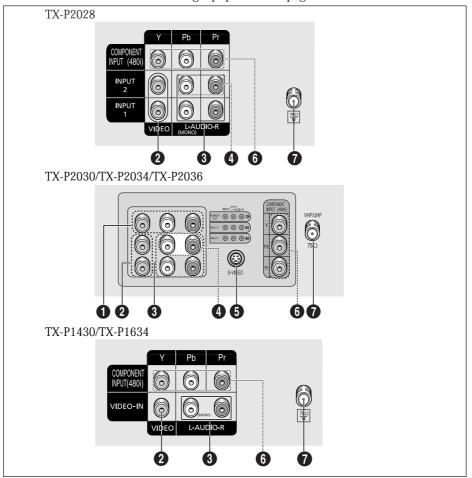
Connect a set of external headphones to this jack for private listening.

#### **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.

Because there are two sets of input jacks, you can connect two different A/V components (i.e., a VCR and a DVD, 2 VCRs, etc.)

For more information on connecting equipment, see pages 11-17.



## AUDIO-VIDEO MONITOR OUTPUTS

These audio-video signals are identical to A/V signals being displayed on the big screen. (Typically used as the input signals for a recording VCR.)

## « VIDEO INPUT

Video signals from VCRs, DVD players and similar devices.

### **AUDIO INPUTS**

Audio signals from VCRs, DVD players and similar devices.

### □ DVD AUDIO INPUTS (INPUT 2)

Use these jacks to connect the audio signals from a DVD player when using the DVD video input jacks. When not using the DVD jacks, these audio jacks function as audio for Video 2 or S-VIDEO.

## S-VIDEO INPUT

Connect to an S-VHS VCR or DVD player.

## fl DVD VIDEO INPUT

Connect video from a DVD player. Note: Monitor Output doesn't operate in the DVD mode.

#### VHF/UHF

Connect to an antenna or to a cable TV system.

## YOUR NEW 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 VCR, DVD and cable box. See page 41 for details.

### POWER

Turns the TV on and off.

#### « S.MODE

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

#### P.MODE

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

#### Number buttons

Press to select channels directly on the TV.

#### +100

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

## VOL -, VOL +

Press to increase or decrease the volume.

## fl MUTE

Press to temporarily cut off the sound.

#### SLEEP

Press to select a preset time interval for automatic shutoff.

#### MENU

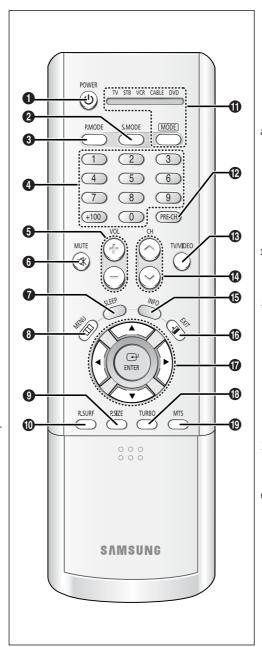
Displays the main on-screen menu.

#### P.SIZE

Press to change the screen size. Your choices are Normal, Zoom.

#### **R.SURF**

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



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#### MODE

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

## PRE-CH

Tunes to the previous channel.

#### **TV/VIDEO**

Press to display all of the available video sources (i.e., Antenna/Cable, VCR).

## CH ↑ and CH ∨ (Channel Up/Down)

Press CH or CH to change channels.

#### fi INFO

Press to see the time, channel, etc., on-screen.

#### EXIT

Press to exit the menu.

## Up,Down,Left, Right (▲,▼,ˇ,^̂)/ ENTER

Press to select highlight up, down, left, or right. While using the onscreen menus, press ENTER to activate (or change) a particular item.

### TURBO

Press to turn the TURBO sound On or Off.

## MTS (Multichannel Television Stereo)

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

## Your New TV

### **Remote Control**

## **VCR Controls**

#### 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

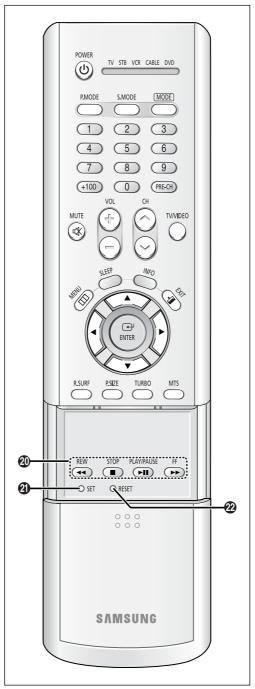
Press the PLAY/PAUSE button to play back prerecorded tapes or pause the tape.

#### FF

Press to fast forward the tape in your VCR.

## SET

Use this button when you are setting up your remote control to operate your Set Top Box, VCR, Cable box, or DVD.



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## **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.

## YOUR NEW 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.

### **POWER**

Turns the TV on and off.

#### **Number buttons**

Press to select channels directly on the TV.

#### +100

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

Press to temporarily cut off the sound.

## VOL -, VOL +

Press to increase or decrease the volume.

## SLEEP

Press to select a preset time interval for automatic shutoff.

## **MENU**

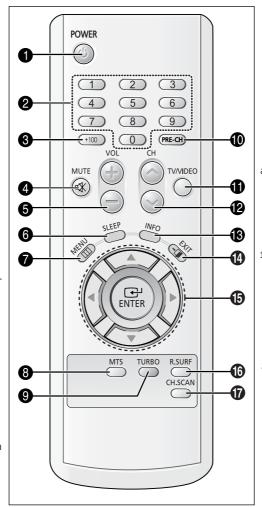
Displays the main on-screen menu.

#### MTS (Multichannel Television Stereo)

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

#### **TURBO**

Press to turn the TURBO sound On or Off.



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### PRE-CH

Tunes to the previous channel.

#### TV/VIDEO

Press to display all of the available video sources (i.e., Antenna/Cable,

## CH ^ and CH ^

channels.

#### INFO

Press to see the time, channel, etc., on-screen.

#### **EXIT**

Press to exit the menu.

## Up, Down, Left, Right (♠, ▼, ˇ, ^)/ **ENTER**

Press to select highlight up, down, left, or right. While using the onscreen menus, press the ENTER button to activate (or change) a particular item.

### **R-SURF**

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

## CH.SCAN

Press to have the TV automatically scan all of the channels it has memorized.

## **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.



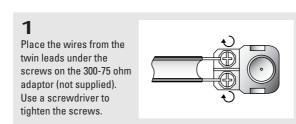
If your antenna has one lead that looks like this, see "Antennas with 75-ohm Round Leads" on next page.

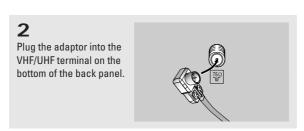


If you have two antennas, see "Separate VHF and UHF Antennas" on next page.

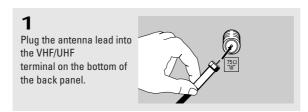
## Antennas with 300-ohm Flat Twin Leads

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.



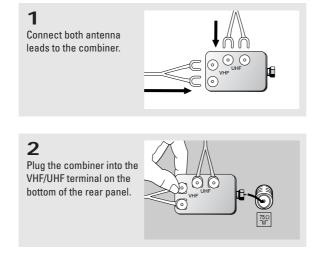


## **Antennas with 75-ohm Round Leads**



## Separate VHF and UHF Antennas

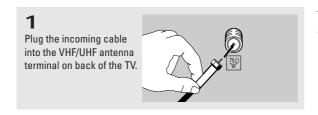
If you have two separate antennas for your TV (one VHF and one UHF), you must combine the two antenna signals before connecting the antennas to the TV. This procedure requires an optional combiner-adaptor (available at most electronics shops).



## **Connecting Cable TV**

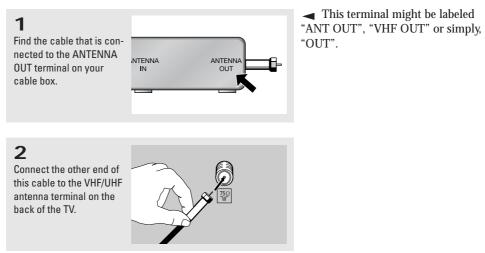
To connect to a cable TV system, follow the instructions below.

## Cable without a Cable Box



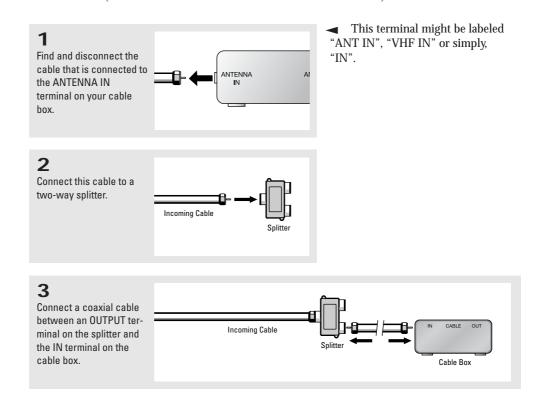
■ Because this TV is cable-ready, you do not need a cable box to view unscrambled cable channels.

## Connecting to a Cable Box that Descrambles All Channels

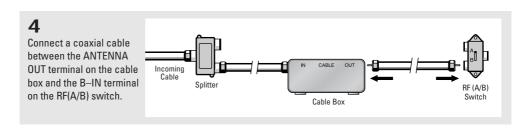


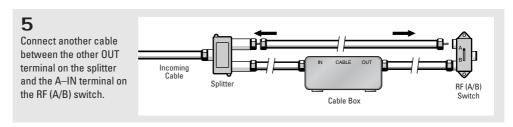
## Connecting to a Cable Box that Descrambles Some Channels

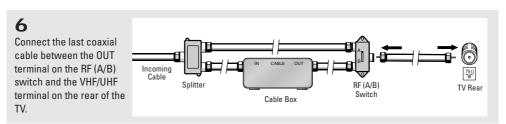
If your cable box descrambles only some channels (such as premium channels), follow the instructions below. You will need a two-way splitter, an RF (A/B) switch, and four lengths of coaxial cable. (These items are available at most electronics stores.)



## Installation



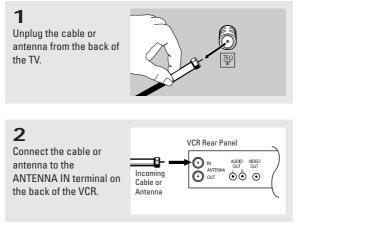


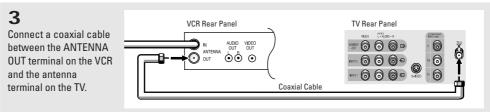


After you've made this connection, set the A/B switch to the "A" position for normal viewing. Set the A/B switch to the "B" position to view scrambled channels. (When you set the A/B switch to "B", you will need to tune your TV to the cable box's output channel, which is usually channel 3 or 4.)

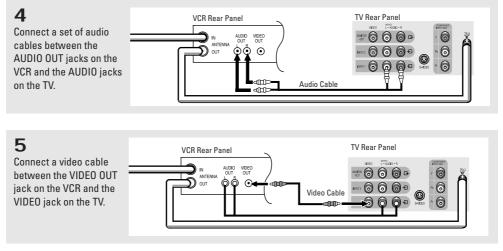
## Connecting a VCR

These instructions assume that you have already connected your TV to an antenna or a cable TV system (according to the instructions on pages 11-14). Skip step **1** if you have not yet connected to an antenna or a cable system.





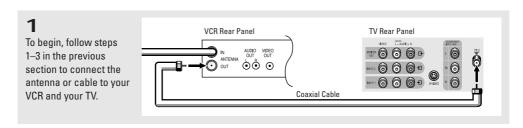
A coaxial cable is usually included with a VCR. (If not, check your local electronics store).

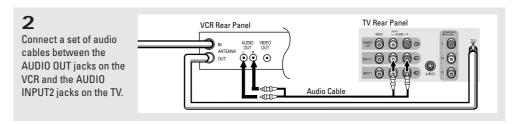


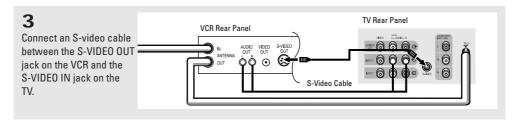
Follow the instructions in "Viewing a VCR or Camcorder Tape" to view your VCR tape. *Note: This figure shows the Standard connector-jack panel. The actual configuration for your TV may be different.* 

## Connecting an S-VHS VCR (Depends on the model)

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





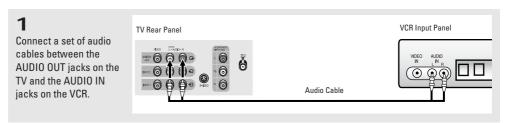


An S-video cable is usually included with an S-VHS VCR. (If not, check your local electronics store.)

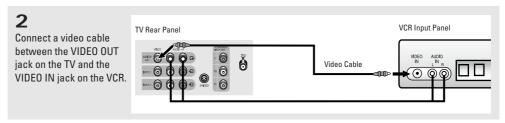
Note: This figure shows the Standard connector-jack panel. The actual configuration for your TV may be different.

## Connecting a Second VCR to Record from the TV (Depends on the model)

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:



(The VCR input jacks might be either on the front or on back of the VCR.)

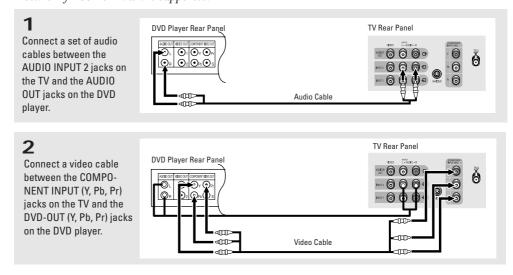


Refer to your VCR's instructions for more information about how to record using this kind of connection.

Note: This figure shows the Standard connector-jack panel. The actual configuration for your TV may be different.

## **Connecting a DVD Player**

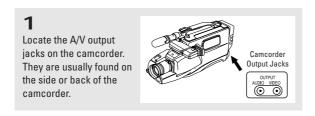
The rear panel jacks on your TV make it easy to connect a DVD player to your TV. *Note: Only 480i formats are supported.* 

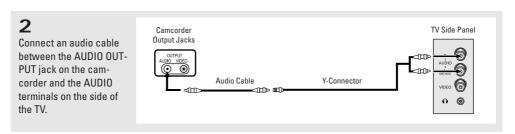


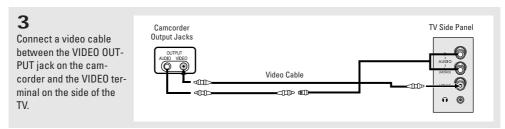
Note: For an explanation of Component video, see your DVD player's owner's manual.

## 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 a VCR or Camcorder Tape" on page 31.)







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.

Note: This figure shows the Standard connector-jack panel. The actual configuration for your TV may be different.

## **Installing Batteries in the Remote Control**





■ Make sure to match the "+" and "−" ends of the batteries with the diagram inside the compartment.



■ 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.)

Note: This figure shows the Standard remote control. The actual configuration may be different.

## **Chapter Three**

**OPERATION** 

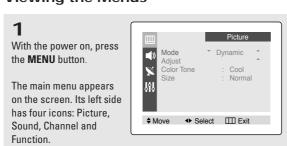
## Turning the TV On and Off

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

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

## Viewing the Menus and On-Screen Displays

## Viewing the Menus

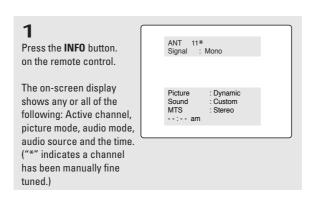


→ The on-screen menus disappear from the screen after about two minutes.



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

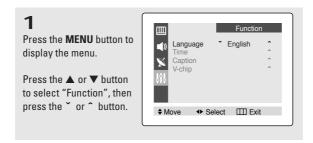
## Viewing the Display

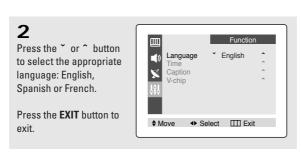


→ The on-screen displays disappear after about ten seconds.

When Closed Caption has been set, the icon([cc]) will appear by pressing the INFO button.

## Selecting a Menu Language



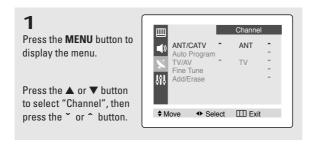


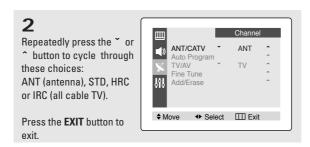
## Memorizing the Channels

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 and deleting channels (manual).

## Selecting the Video Signal-source

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



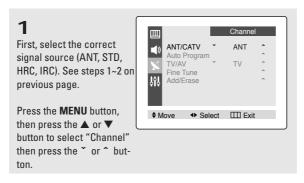


Note: STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area.

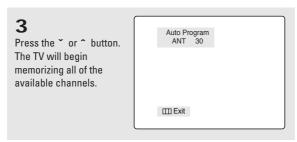
At this point the signal source has been selected. Proceed to "Storing Channels in Memory" (next page).

## **OPERATION**

## **Storing Channels in Memory (Automatic Method)**







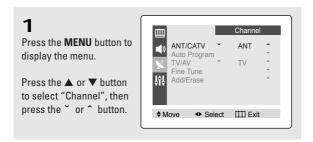
▼ The TV automatically cycles through all of the available channels and stores them in memory. This takes about one to two minutes. Press the MENU button at any time to interrupt the memorization process and return to the Channel menu.

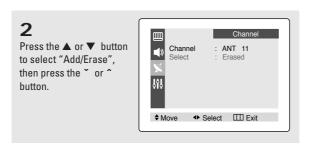
## 4

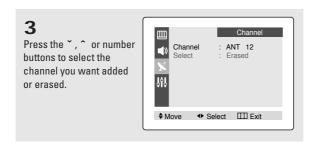
After all the available channels are stored, the Channel menu reappears. Press the  ${\bf EXIT}$  button to exit.

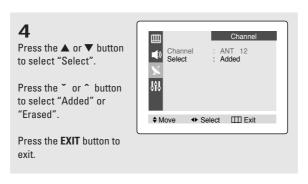
## OPERATION

## **Adding and Erasing Channels (Manual Method)**









## **Changing Channels**

## **Using the Channel Buttons**

Press the  $\mathbf{CH} \wedge$  or  $\mathbf{CH} \vee$  button to change channels.

When you press CH \( \sigma\) or CH \( \sigma\), 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.

## **Directly Accessing Channels**

Use the number buttons to quickly tune to any channel.

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

When you use the number buttons, you can directly select channels that were either erased or not memorized.

To select a channel over 100, press the +100 button. (For channel 122, press "+100", then "2", then "2".)

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

## Using the PRE-CH Button to select the Previous Channel

Press the PRE-CH button.

The TV will switch to the last channel viewed.

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

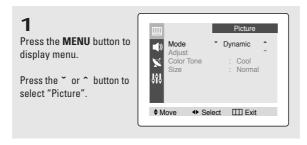
## Channel Scan (Depends on the model)

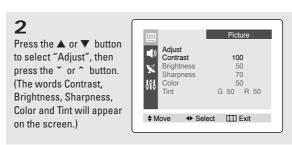
Press the CH.SCAN button.

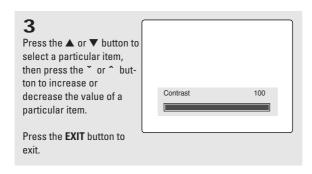
The TV automatically scan all of the channels it has memorized.

## **Customizing the Picture**

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



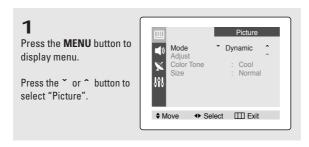


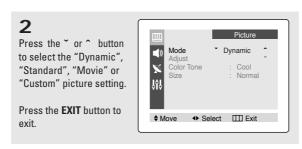


■ After adjusting an item, the gauge will automatically disappear (after about 5 seconds).

## **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 making a selection from the menu. Or, you can select "Custom" which automatically recalls your personalized picture settings.





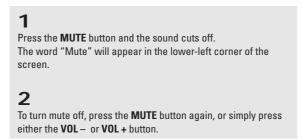
- Choose *Dynamic* for viewing the TV during the day or when there is brightlight in the room.
- Standard: Optimal indoor screen condition.
- Choose *Movie* when viewing the TV in low light, or when playing video games.
- Choose *Custom* if you want to adjust the settings according to personal preference (see "Customizing the Picture", page 26).

## Adjusting the Volume

Press the  $\mathbf{VOL}$  + or  $\mathbf{VOL}$  - button to increase or decrease the volume.

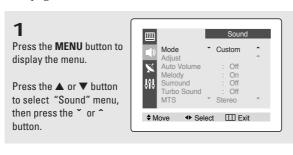
## **Using Mute**

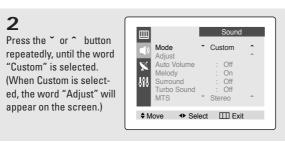
At any time, you can temporarily cut off the sound using the Mute button.

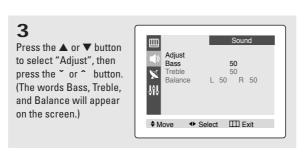


## **Customizing the Sound**

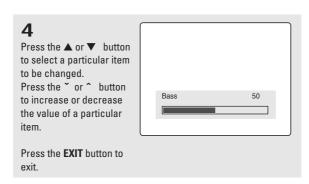
You can use the on-screen menus to adjust the bass, treble, and balance according to individual preference. (Alternatively, you can use one of the "automatic" settings. See next page.)







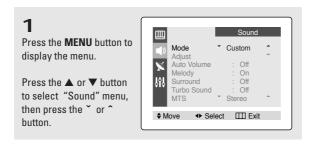
### **OPERATION**

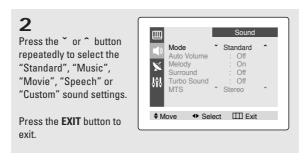


■ After adjusting an item, the gauge will automatically disappear (after about 5 seconds).

## **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 any of them by making a selection from the on-screen menu. Or, you can select "Custom", which automatically recalls your personalized sound settings.





- Choose Standard for the standard factory settings.
- Choose *Music* when watching music videos or concerts.
- Choose Movies 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**

## 1

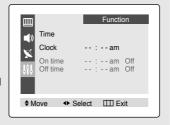
Press the **MENU** button to display the on-screen menu.

Press the ▲ or ▼ button to select "Function", then press the ˇ or ˆ button.



## 2

Press the ▲ or ▼ button to select "Time", then press the ˇ or ˆ button. The Time menu will appear on the screen, and "Clock" will be selected.



## 3

Press the or button again (the hours digits will be selected).

Press the ▲ or ▼ button repeatedly until the correct hour appears.



■ When selecting the hours, be sure to select the proper time of day (AM or PM).

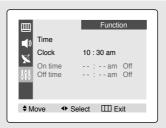
You can change the hours by pressing ▲ or ▼ repeatedly (or by holding down either of these buttons).

4

After the hour is entered, press the ^ button. (at this point the minutes digits will be selected.)

Press the ▲ or ▼ button to select the correct minutes.

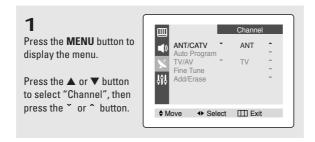
Press the **EXIT** button to

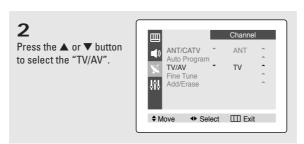


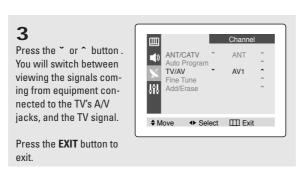
■ The time will appear every time you press the INFO button.

## Viewing a VCR or Camcorder Tape

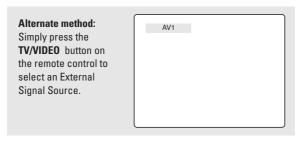
You must select the appropriate mode in order to view the VCR or Camcorder signal on the TV.







 $\blacktriangleleft$  AV1 and AV2 is available depending on the model.

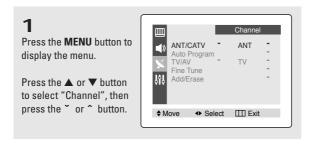


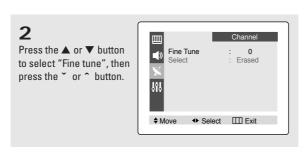
## **Chapter Four**

SPECIAL FEATURES

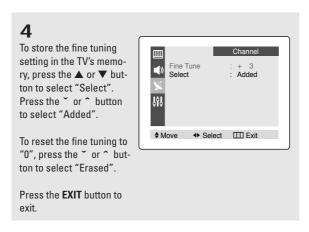
## **Fine Tuning Channels**

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



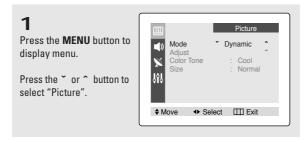




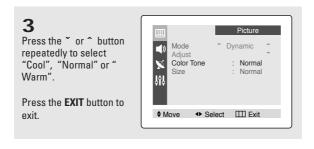


■ After you adjust the fine tuning, "\*" will appear when you press the INFO button while watching this channel.

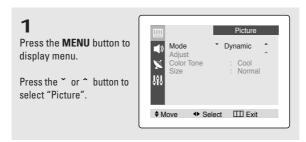
## **Selecting the Color Tone**

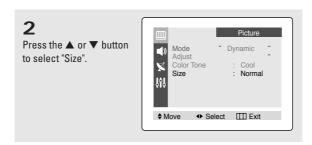


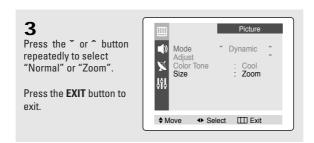




## Changing the Screen Size





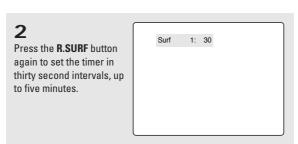


- Normal : Sets the picture to 4:3 normal mode. This is a standard TV screen size.
- Zoom : Magnifies the size of the picture on screen.

## **Using the 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 Surf to "5 minutes", then switch channels. After 5 minutes, the TV will return to the original channel. To use the Surf:





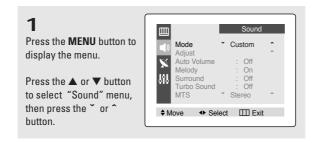
→ The time will be decreasing while you are setting up the timer. And you will reset it when you pass five minutes or turn it off.

3

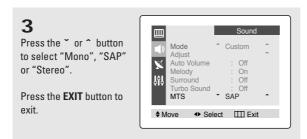
The time you set will begin counting down on the screen. When the time runs out, the TV will return to the channel you were watching when you set the timer.

# Choosing a Multi-Channel Sound (MTS) Soundtrack

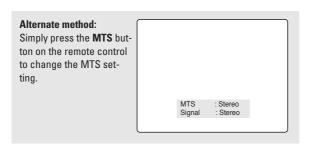
Depending on the particular program being broadcast, you can listen to stereo, mono or a Separate Audio Program. (SAP audio is usually a foreign-language translation. Sometimes SAP has unrelated information like news or weather.)







→ The text at the bottom of the menu tells you if the incoming audio is Stereo, SAP or Mono.



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

# **Extra Sound Settings**

### • Auto Volume

Each broadcasting station has its own signal conditions, and so it is not easy for you 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.

### Melody

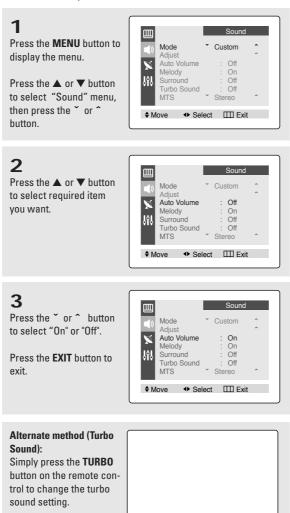
You can set a melody to sound when the TV is powered On or Off.

#### Surround

"Surround" converts a mono or stereo signal into simulated surround sound. Once the "Surround" is set to "On", the setting applies to sound effects such as Standard, Music, Movie and Speech.

### Turbo Sound

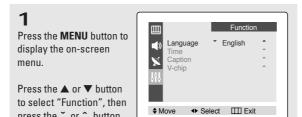
Turbo sound suitably emphasizes both higher and lower bands of sound (and includes other effects).



Turbo Sound : On

press the " or " button.

# Setting the On/Off Timer

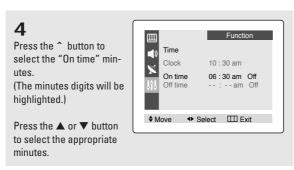


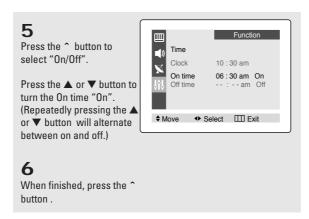
■ Before using the timer, you must set the TV's clock. (See "Setting the Clock" on page 30).



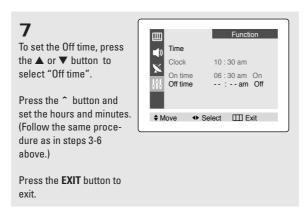
Function Press the ▲ or ▼ button Time **(**) to select "On time". Clock 10:30 am On time 06:00 am Off --:-am Off Press the \* or ^ button to select the "On time" ♦ Move ◆ Select III Exit (The hours digits will be highlighted.) Press the ▲ or ▼ button repeatedly to select the appropriate hours (i.e., the hour when the TV will turn on.)

■ When you set the hours, make sure the correct time of day (AM or PM) appears to the right of the hour.





■ To deactivate the "On time", select "Off" during this step.



# **Setting the Sleep Timer**

The sleep timer automatically shuts off the TV after a preset time (from  $10\ to\ 180\ minutes$ ).

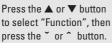


■ After about 5 seconds, the sleep display will disappear from the screen, and the time interval will be set.

# **Viewing Closed Captions**

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

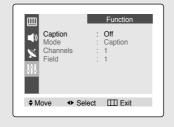






### 2

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



Press the " or " button to turn closed captioning On/Off.



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



Press the ▲ or ▼ button to select "Mode".

Press the or button to select "Caption" or "Text".



✓ In caption mode, captions appear at the bottom of the screen, and they usually cover only a small portion of the picture.

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

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

Depending on the particular broadcast, it might be necessary to make changes to "Channels" and "Field":
Use the 🛕, 🔻, \* and \* buttons to make the changes. (Follow

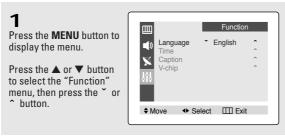
the same procedure as in steps 3~4 above.)

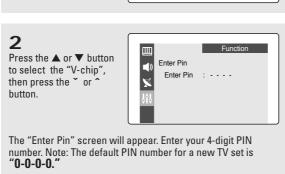
Press the EXIT button to exit.

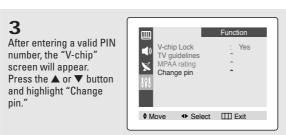
### Using the V-Chip

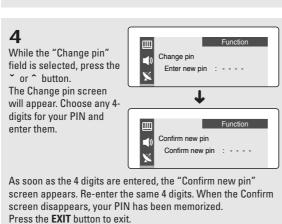
The V-Chip feature automatically locks out programming that is deemed inappropriate for children. The user must first enter a PIN (personal ID number) before any of the V-Chip restrictions can be set up or changed.

### Setting Up Your Personal ID Number (PIN)





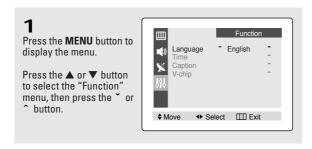


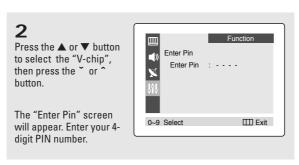


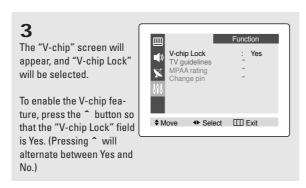
■ Note: If you forget the PIN, press the remote-control keys in the following sequence, which resets the pin to 0-0-0-0:

POWER OFF  $\rightarrow$  MUTE  $\rightarrow$  8  $\rightarrow$  2  $\rightarrow$  4  $\rightarrow$  POWER ON.

### How to Enable/Disable the V-Chip

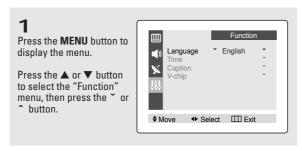






### How to Set up Restrictions Using the "TV guidelines"

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





Press the ▲ or ▼ button to select the "V-chip", then press the or button.

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



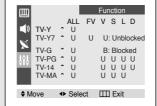
### 3

The "V-chip" screen will appear. Press the ▲ or ▼ button, and highlight the field for "TV guidelines".



### 4

Press the \* or ^ button. The "TV guidelines" screen will appear. Press the  $\blacktriangle$  or  $\blacktriangledown$  button to highlight one of the six age-based categories:



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

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

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

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

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

Press the " or " button: Depending on your existing setup, a letter "U" or "B" will be selected. (U= Unblocked, B= Blocked)

While the "U" or "B" is red, press the ▲ or ▼ button to block or unblock the category.

Press the **MENU** button once to save the TV guidelines. A TV-Rating will be highlighted, and no letters will be selected. To exit this screen, press the **MENU** button again. To select a different TV-Rating, press the  $\triangle$  or  $\nabla$  button and then repeat the process.

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

FV: Fantasy violence

D: Dialog L: Offensive language

S: Sexual situation

V: Violence

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

### 6

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

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

Next, while the TV-Rating is highlighted, repeatedly press the ^ button. This will cycle through the available sub-ratings (FV,L, S, D or V).

A red letter ("U" or "B") will be displayed for each sub-rating. While the "U" or "B" is red, press the ▲ or ▼ button to change the sub-rating.

Press the **MENU** button once to save the TV guidelines. A TV-Rating will be highlighted, and no letters will be selected. To exit this screen, press MENU again. To select a different TV-Rating, press the ▲ or ▼ button and then repeat the process.

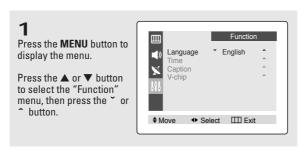
Note: The V-chip will automatically block certain categories that are "More restrictive". For example, if you block "L" sub-rating in TV-PG, then the "L" sub-ratings in TV-14 and TV-MA will automatically be blocked.

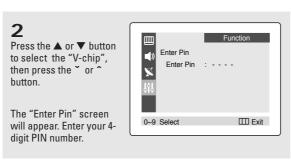
### 7

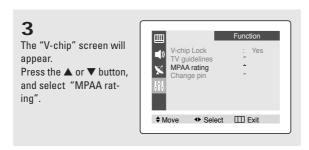
Press the **EXIT** button to clear all the screens (Or proceed to the next section, and set up additional restrictions based on the MPAA codes).

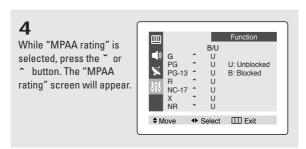
# How to Set up Restrictions Using the MPAA Ratings: G, PG, PG-13, R, NC-17, X, NR $\,$

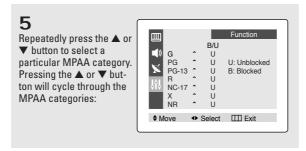
The MPAA rating system uses the Motion Picture Association of America (MPAA) system, and its main application is for movies. (Eventually, movie videocassettes will be encoded with MPAA ratings.) When the V-chip Lock is on, the TV will automatically block any programs that are coded with objectionable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











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

While a particular category is selected, press ↑ to activate it.
A letter ("U" or "B") will be displayed. Press ▲ or ▼ to select "U" or "B".

Press the EXIT button to save the settings and to clear all screens.

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

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

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

To resume normal viewing, tune to a different channel using the number buttons. Under certain conditions (depending on the rating of the local TV programs) the V-Chip might lock out all the channels. In this case, use the V-Chip function for an "emergency escape":

Press the **MENU** button to display the menu. Press the  $\blacktriangle$  or  $\blacktriangledown$  button three times to select the "Function" menu and press the  $\check{\ }$  or  $\widehat{\ }$  button.

Press the  $\blacktriangle$  or  $\blacktriangledown$  button to highlight the "V-chip" menu and press the  $\check{\ }$  or  $\hat{\ }$  button.

Enter your PIN number, and press the ^ button to temporarily disable the V-chip Lock.

# Customizing Your Remote Control (Depends on the model)

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

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

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

### 1

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

### 2

Press the **MODE** button and make sure that the **VCR** (**CABLE** or **DVD**) LED is illuminated

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

### 3

On your Samsung remote control, press the SET button.

### 4

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

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

### 5

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

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

### 6

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

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

### **Remote Control Codes**

### **VCR Codes**

	000	Samsung	018	Candle, Citizen, Emerson,	036	Electrohome, Emerson,	059	Pioneer
Clc Goldstard   Candle, Citizen, Portland   Totevision		odnisority	0.0		000			
Tolevision   O.38		LG(Goldstar)		' " '	037			/
O04   O05   O06   O07   Daewoo   G[Goldstar]   O22   Audio Dynamics, Canale, Citizen, Daewoo, Earlisher, Rodio Shack, Realistic, Sylvania   O28   Audio Dynamics, Canale, Citizen, Daewoo, Earlisher, Procedure, Procedure								
Daewoo   Daewoo   Daewoo   Daewoo   Craig, Fisher, Radio Shack, Realistic, Sanyo, Sears			010		036		002	
Morantz, NEC, Tahung, Teac   Radio Shack, Realistic, Sylvania		Daewoo			020	1 ' '		,,
Daewoo   LG Goldstar    O22			021		039	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '		
Daewoo   Daewoo   Daewoo   Daewoo   Daewoo   Emerson   Samsung   Scott, Toshiba   Daewoo   Emerson   Samsung   Scott, Toshiba   Daewoo   Emerson   Samsung   Scott, Toshiba   Daewoo   Emerson   Samsung   Daewoo   Emerson   Samsung   Daewoo   Emerson   Daewoo   Da		D 10/0 11 : 1	000	, , ,	0.40	, , ,	0.40	,
Curtis Marthes, Dimensia, General Electric, PROSCAN, RCA		, ,	022			• • •		
General Electric, PROSCAN, RCA				, , ,	041			
RCA	009			'		•		
D11 Bell & Howell, Fisher, JC Penny, JCL, Kenwood, Marantz, NEC, Quartz, Radio Shack, Realistic, Sanyo, Sears, Tandy D14 Hitachi, JC Penny, Pentax, RCA, Sears, Tandy Pioneer, RCA, Sears, Toshiba D15 Admiral, Optimus, Radio Shack, Realistic, Sharp D16 Candle, Citizen, Craig, Curtis Mathes, General Electric, Go Video, JC Penny, MTC, Mulfitech, RCA, Sansung, Totevision D17 Canon, Curtis Mathes, Emerson, General Electric, Instant Replay, JC Penny, JCL, Kenwood, Marantz, NEC D18 Canon, Curtis Mathes, Emerson, General Electric, Instant Replay, JC Penny, JCL, Kenwood, Marantz, NEC, Pioneer, Sansung D18 Fisher, Radio Shack, Realistic, Sharp D19 Canon, Curtis Mathes, Emerson, General Electric, Instant Replay, JC Penny, JCL, Magnavox, Marantz, Penasonic, Philco, Philips, D17 Canon, Curtis Mathes, Emerson, General Electric, JCL, Magnavox, Marantz, Penasonic, Philco, Philips, D18 Penny, JCL, Kenwood, Marantz, NEC, Penerson D19 Canon, Curtis Mathes, Emerson, General Electric, JCL, Magnavox, Marantz, Penasonic, Philco, Philips, D19 Penny, JCL, Kenwood, Marantz, NEC, Penerson D19 Penny, JCL, Kenwood, Marantz, NEC, Penny, JCL, Kenwood, Marantz, NEC, Pentex Research-Fisher, Sears, Toshiba D19 Penny, JCL, Kenwood, Marantz, NEC, Pentex Research-Fisher, Sears, Toshiba D19 Penny, JCL, Kenwood, Marantz, NEC, Pentex Research-Fisher, Sears, Toshiba D19 Penny, JCL, Kenwood, Marantz, NEC, Pentex Research-Fisher, Sears, Toshiba		, ,	023	' ' ' ' ' '	_			
JCL, Kenwood, Marantz, NEC, Quartz, Radio Shack, Realistic, Sanyo, Sears, Tandy  Ol4 Hidochi, JC Penny, Pentax, Pioneer, RCA, Sears, Toshiba  Ol5 Admiral, Optimus, Radio Shack, Realistic, Sharp  Ol5 Candle, Citizen, Craig, Curtis Mathes, General Electric, Molfiech, RCA, Samsung, Totevision  Ol7 Canon, Curtis Mathes, Emerson, General Electric, Instant Replay, JC Penny, JCL, Magnavox, Marantz, Panasonic, Philco, Philips, Akai, Samsung  Ol7 Marantz, NEC  Od5 Hidachi Od6 RCA Od7 Sony Od4 RCA Od7 Sony Od7 Emerson Od8 RCA Od7 Sony Od7 Emerson Od7 Curtis Mathes, NEC Od7 Sony Od8 Sharp Od7 Curtis Mathes, NEC Od7 Sony Od8 Sharp Od7 Curtis Mathes, NEC Od7 Emerson Od8 Emerson, Scott Od7 Emerson Od7 Emer				l ' " '	043			
Quartz, Radio Shack, Realistic, Sanyo, Sears, Tandy	011	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	044	Hitachi, JC Penny, Pentax, RCA,		LG(Goldstar)
Sanyo, Sears, Tandy    Hitachi, JC Penny, Pentax, Pioneer, RCA, Sears, Toshiba     O15   Admiral, Optimus, Radio Shack, Realistic, Signature, Sylvania, Symphonic, Tandy, Teac, Teknika		JCL, Kenwood, Marantz, NEC,		Marantz, NEC		Sears	070	Marantz, NEC
Old Hilochi, J.C Penny, Pentax, Pioneer, R.CA, Sears, Toshiba   LXI, MTC, Multitech, Radio Shack, Realistic, Signature, Sylvania, Symphonic, Tandy, Teac, Teknika   O50   Emerson, Scott   O77   Emerson, Scott		Quartz, Radio Shack, Realistic,	024	Aiwa, Curtis Mathes, Dynatech,	045	Hitachi	071	Emerson
Pioneer, RCA, Sears, Toshiba  Admiral, Optimus, Radio Shack, Realistic, Signature, Sylvania, Symphonic, Tandy, Teac, Teknika  O15  Admiral, Optimus, Radio Shack, Realistic, Sharp  O25  Cardie, Citizen, Craig, Curtis Mathes, General Electric, Go Video, JC Penny, Totevision  O26  Cande, Citizen, Craig, Curtis Mathes, Emerson, General Electric, Fisher, Radio Shack, Realistic, Sears, Toshiba  O27  Canon, Curtis Mathes, Emerson, General Electric, Instant Replay, JC Penny, JCL, Magnavox, Marrantz, PC  O28  Fisher, Radio Shack, Realistic, Sears, Toshiba  O29  Fisher, Radio Shack, Realistic, Sears, Toshiba  O30  Teknika  O50  Emerson, Somsung  O78  Emerson, Somsung  O79  Emerson, Somsung  O79  Emerson  O78  CATICHI		Sanyo, Sears, Tandy		Emerson, Funai, Hitachi, Lloyd,	046	RCA	073	Curtis Mathes, NEC
O15	014	Hitachi, JC Penny, Pentax,		LXI, MTC, Multitech, Radio Shack,	047	Sony	074	Emerson
Realistic, Sharp		Pioneer, RCA, Sears, Toshiba		Realistic, Signature, Sylvania,	048	Sharp	076	Curtis Mathes, Emerson, TMK
O 1 6 Candle, Citizen, Craig, Curtis Mathes, General Electric, Go Video, JC Penny, MTC, Multitech, RCA, Samsung, Totevision O 1 7 Canon, Curtis Mathes, Emerson, General Electric, Instant Replay, JC Penny, JCL, Magnavox, Marantz, Panasonic, Philco, Philips, O 3 2 JCL, Kenwood, Marantz, NEC, Pioneer, Sansui O 2 5 Fisher, Sansu O 3 5 Portland, Quasar O 5 4 Candle, Citizen, Daewoo, Portland, Sharp O 8 6 Panasonic O 8 7 Fisher, Sansung O 8 7 Candle, Citizen, Daewoo, Portland, Sharp O 8 8 Admiral O 8 Admiral	015	Admiral, Optimus, Radio Shack,		Symphonic, Tandy, Teac, Teknika	050	Emerson, Scott	077	Emerson, Scott
Curtis Mathes, General Electric, Go Video, JC Penny, MTC, Multitech, RCA, Samsung, Totevision		Realistic, Sharp	025	Audio Dynamics, DB, JC Penny,	051	Emerson, Samsung	078	RCA, Teac
Go Video, JC Penny, MTC, Multitech, RCA, Samsung, Totevision   O26	016	Candle, Citizen, Craig,		JCL, Kenwood, Marantz, NEC,	052	Fisher, Radio Shack, Realistic,	079	Emerson
Multitech, RCA, Samsung, Totevision  O27 Fisher, Sears  O28 Fisher, Radio Shack, Realistic, Sears, Toshiba  O54 Candle, Citizen, Doewoo, Portland, Sharp  O56 Panasonic  O57 Canon, Curtis Mathes, Emerson, General Electric, Instant Replay, JC Penny, JCL, Magnavox, Marantz, Panasonic, Philco, Philips, O32 Akai, Emerson  O57 Fisher, Sears  O58 Candle, Citizen, Doewoo, Portland, Sharp  O58 Panasonic  O68 Panasonic		Curtis Mathes, General Electric,		Pioneer, Sansui		Sears	082	KLH
Tolevision 028 Fisher, Radio Shack, Realistic, Sears, Toshiba 055 Candle, Citizen, Curtis Mathes, Emerson, General Electric, Instant Replay, JC Penny, JCL, Magnavox, Marantz, Panasonic, Philico, Philips, Padio Shack, Realistic, Sears, Toshiba 055 Candle, Citizen, Curtis Mathes, D88 Admiral LGGoldstart, JCL, Kenwood, Marantz, NEC, Pentex Research+ JCL, Magnavox, Marantz, Panasonic, Philico, Philips, D32 Akai, Emerson 057 Fisher, Sears, Toshiba		Go Video, JC Penny, MTC,	026	Akai, Shintom, Sony	053	Portland, Quasar	084	Panasonic
O17 Canon, Curtis Mathes, Emerson, General Electric, Instant Replay, JC Penny, JCL, Magnavox, Marantz, Panasonic, Philico, Philips, O32 Akai, Emerson O55 Emerson O57 Fisher, Sears, Toshiba		Multitech, RCA, Samsung,	027	Fisher, Sears	054	Candle, Citizen, Daewoo,	085	Daewoo
Emerson, General Electric, Instant Replay, JC Penny, JCL, Magnavox, Maraniz, Panasonic, Philco, Philips, O32 Akai, Emerson O35 Emerson O56 Emerson O57 Fisher, Sears, Toshiba		Totevision	028	Fisher, Radio Shack, Realistic,		Portland, Sharp	086	Panasonic
Instant Replay, JC Penny, JCI, Magnavox, Marantz, Panasonic, Philco, Philips, O32 Akai, Emerson O55 Emerson O57 Fisher, Sears, Toshiba	017	Canon, Curtis Mathes,		Sears, Toshiba	055	Candle, Citizen, Curtis Mathes,	088	Admiral
JCt, Magnavox, Marantz, Panasonic, Philco, Philips, O32 Akai, Emerson O56 Emerson O57 Fisher, Sears, Toshiba		Emerson, General Electric,	029	Emerson		LG(Goldstar), JCL, Kenwood,		
Panasonic, Philco, Philips, O32 Akai, Emerson O57 Fisher, Sears, Toshiba		Instant Replay, JC Penny,	030	Teknika		Marantz, NEC, Pentex Research+		
Panasonic, Philoo, Philips, 032 Akai, Emerson 057 Fisher, Sears, Toshiba		JCL, Magnavox, Marantz,	031	Akai, Samsung	056	Emerson		
		Panasonic, Philco, Philips,	032	Akai, Emerson	057	Fisher, Sears, Toshiba		
			035	Shintom, Sony	058			
RCA, Sylvania, Technics, Teknika		RCA, Sylvania, Technics, Teknika						

### **Cable Box Codes**

000	Samsung	020	Eastern International, Hamlin,	038	GI, Jerrold	057	Tocom
001	Nawoo		Regal	039	Unika	058	locom
002	TaePyungYang	021	Hamlin, Regal	040	Magnavox, Philips, Unika,	059	Universal
003	DeaRyung	022	Zenith	1	Viewstar	060	Universal
004	DongKuk	023	GI, Jerrold	041	Magnavox, Philips, Regency,	063	Tocom
005	DaeHan	024	Oak, Osk Sigma		Viewstar	065	Zenith
006	LG(Goldstar)	025	Tocom	042	Hamlin	066	Stargate 2000
007	Saewoo	026	Pioneer	044	GI, Jerrold	067	Sylvania, Texscan
008	RCA	027	Magnavox, Philips, Viewstar	045	Hitachi, Macom	069	Panasonic, Zenith
010	Regency	028	Pioneer	046	Oak	070	Jerrold
011	Hamlin, Panasonic, Regal,	029	Magnavox, Philips, Tocom,	047	Panasonic	071	c
	Samsung		Viewstar	048	Magnavox, Philips, Viewstar	072	Samsung
012	GI, Hamlin, Jerrold	030	Samsung	049	Magnavox, Philips, Unika,	073	Jerrold
013	GI, Jerrold	031			Viewstar	074	RCA
015	Anvision, Cable Star, Eagle,	032	GI, Jerrold	050	Zenith	075	
016	Magnavox, Philips, Randtek,	033		051	Hitachi, Macom	076	GI
	Viewstar	034	Magnavox, Philips, Viewstar	052	Pioneer, Samsung, Warner Amex	077	
017	NSC	035	RCA, Panasonic, Sprucer	054	General Instrument, Hitachi,		
019	Sylvania, Texscan	036	Magnavox, Philips, Viewstar		Jerrold, Signature, Starcom		
		037	Magnavox, rinips, viewstar	056	Hamlin		

### **DVD Codes**

	000	Samsung	003	JVC	006	Panasonic	009	Curtis Mathes
	001	LG(Goldstar)	004	Sony	007	Philips		
Ī	002	Toshiba	005	Sharp	800	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. If the set is moved or turned in a different direction, the power should be OFF for at least 30 minutes.
Picture rolls vertically.	Adjust the antenna. Check all wire connections.
The TV operates erratically	Unplug the TV for 30 seconds, then try operating it again.
The TV won't turn on.	Make sure the wall outlet is working.

# **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-P2028 / TX-P2030 / TX-P2034 / TX-P2036 / TX-P1430 / TX-P1634
Voltage	AC 120V
Frequency of Operation	60Hz
Dimensions (mm/inches)	TX-P2028: 590 x 492 x 464 / 23.22 x 19.37 x 18.27
	TX-P2030: 578 x 488 x 464 / 22.75 x 19.21 x 18.26
	TX-P2034: 582 x 481 x 456 / 22.91 x 18.93 x 17.95
	TX-P2036: 658 x 487 x 472 / 25.9 x 19.17 x 18.58
	TX-P1430: 490 x 455 x 445 / 19.29 x 17.91 x 17.52
	TX-P1634: 572 x 497 x 470 / 22.52 x 19.57 x 18.50
Weight (Kg/ lbs)	TX-P2028: 22.5 / 49.60, TX-P2030: 23.9 / 52.69
	TX-P2034: 24.0 / 52.91, TX-P2036: 25.5 / 56.22
	TX-P1430: 13.5 / 29.76, TX-P1634: 16.6 / 36.6

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

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