

CT-29M21FQE

COLOR 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.

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Chapter One

Your New TV

List of Features

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

- Full Flat Screen
- 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
- A built-in multi-channel sound decoder for stereo and bilingual listening
- Built-in, dual channel speakers
- A special sleep timer
- Picture in Picture

Accessories

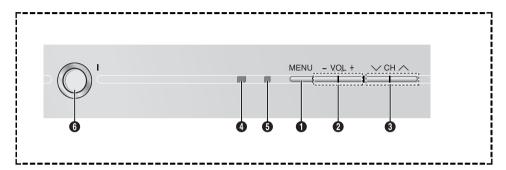
Once you have unpacked your TV, check to make sure that you have all the parts shown here. If any piece is missing or broken, call your dealer.



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.

Q VOL – and +

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

$oldsymbol{0}$ CH \lor and CH \land

Press to change channels. Also press to highlight various items on the on-screen menu. You can use the $\mathbf{CH} \vee$ or $\mathbf{CH} \wedge$ button, switch on the TV when it is standby mode.

4 Remote Control Sensor

Aim the remote control towards this spot on the TV

6 TIMER indicator

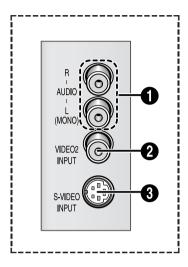
When the TV is turned on, the TIMER indicator blinks five times. This indicator illuminates when the TIMER mode is set to the "0n" position after setting the clock and either the On timer or Off timer, with the remote control. Even if the power is turned off, this indicator stays lit. (Clock must be set before using this function.)

6 I (Power)

Press to turn the TV on and off.

Connection Jacks (Side)

You can connect an A/V component that is used only occasionally, such as a camcorder or video game. (For information on connecting equipment, see page 18.)



1 AUDIO INPUT jacks

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

2 VIDEO INPUT jack

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

3 S-VIDEO Input

Connect an S-Video signal from a camcorder or video game.

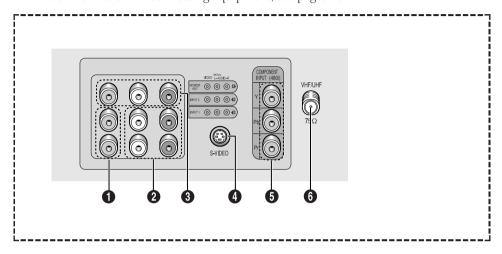
• Please be sure to match the color coded input terminals and cable jacks.

Connection Jacks (Rear)

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

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 10 - 17.



VIDEO Input

Video signals from VCRs, DVD players and similar devices.

Q AUDIO Input (INPUT1 and 2) / COMPONENT AUDIO Input (INPUT 2)

Audio signals from VCRs, DVD players and similar devices.

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.

AUDIO-VIDEO MONITOR Output

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.)

9 S-VIDEO Input

S-Video signal from 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 (AV2).

6 COMPONENT VIDEO Input

Connect video from a DVD player. Note: Only black and white signals are output from a monitor in DVD mode.

6 VHF/UHF

Connect to an antenna or to a cable TV system.

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.

O POWER

Turns the TV on and off.

2 Number buttons

Press to select channels directly on the TV.

6) + 100

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

MUTE

Press to temporarily cut off the sound.

O VOL -, VOL +

Press to increase or decrease the volume.

6 SLEEP

Press to select a preset time interval for automatic shutoff.

MENU

Displays the main on-screen menu.

PIP Controls

PIP

Press this button to control the PIP window.

SWAP

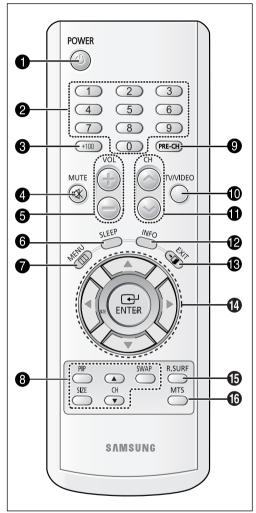
Exchanges the video signal that is currently displayed on the main screen with the signal in the PIP window.

SIZE

Press to make the PIP window small or large.

<u>CH</u>

Displays the available channels in sequence (These buttons change channels in the PIP window only).



PRE-CH

Tunes to the previous channel.

10 TV/VIDEO

Press to display all of the available video sources.

⑥ CH △ and CH ✓ (Channel Up/Down)

Press CH o or CH to change channels.

@ INFO

Press to see the time, channel, etc., on-screen. Also press to exit (quit) the menu system.

(B) EXIT

Press the menu to exit.

② ▲,▼,◄,► / ENTER

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

® R.SURF

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

MTS (Multichannel Television Stereo)

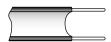
Press to choose stereo, mono or Separate Audio Program (SAP broadcast).

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.



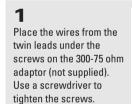
If your antenna has one lead that looks like this, see "Antennas with 75-ohm Round Leads" on next page.

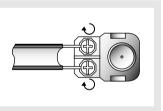


If you have two antennas, see "Separate VHF and UHF Antennas" on next page.

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.





Plug the adaptor into the VHF/UHF terminal on the bottom of the back panel.

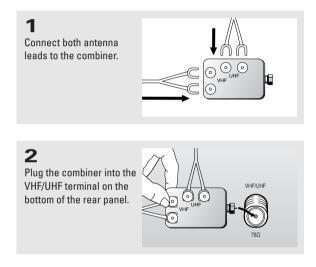


Antennas with 75-ohm Round Leads



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

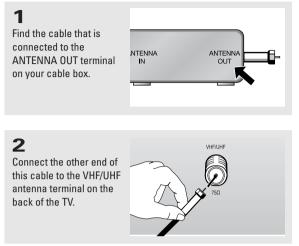
To connect to a cable TV system, follow the instructions below.

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

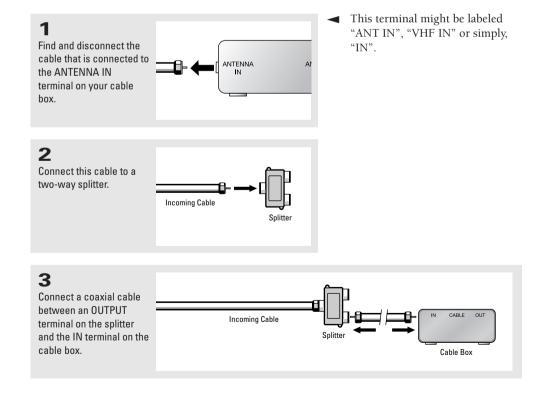


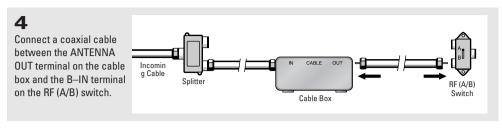
"ANT OUT", "VHF OUT" or simply, "OUT".

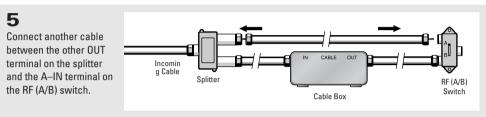
■ This terminal might be labeled

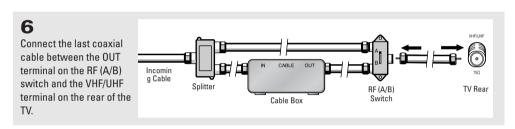
Connecting to a Cable Box that Descrambles Some Channels

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.)







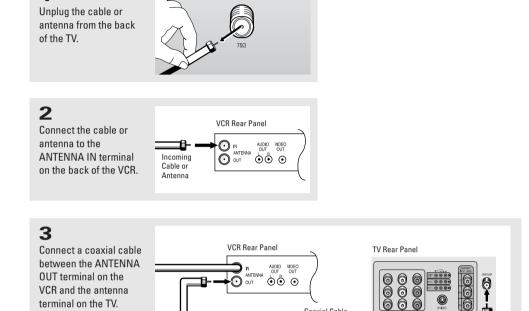


After you've made this connection, set the A/B switch to the "A" position for normal viewing. Set the A/B switch to the "B" position to view scrambled channels. (When you set the A/B switch to "B", you will need to tune your TV to the cable box's output channel, which is usually channel 3 or 4.)

terminal on the TV.

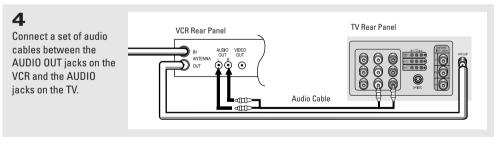
Connecting a VCR

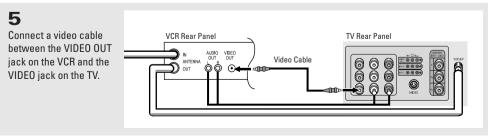
These instructions assume that you have already connected your TV to an antenna or a cable TV system (according to the instructions on pages 10-13). Skip step 1 if you have not yet connected to an antenna or a cable system.



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

Coaxial Cable

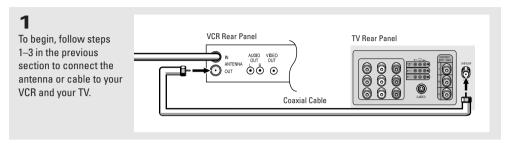


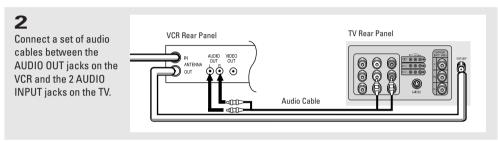


Follow the instructions in "Viewing an External Signal Source" to view your VCR tape.

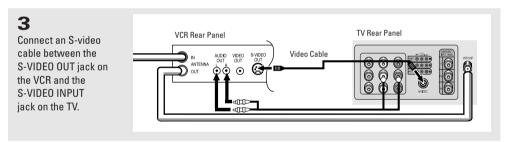
Connecting an S-VHS VCR

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





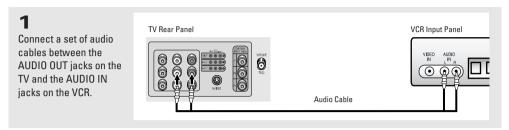
Make sure the jacks you are using are underneath the number "2."



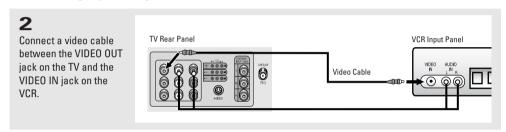
An S-video cable is usually included with an S-VHS VCR. (If not, check your local electronics store.)

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:



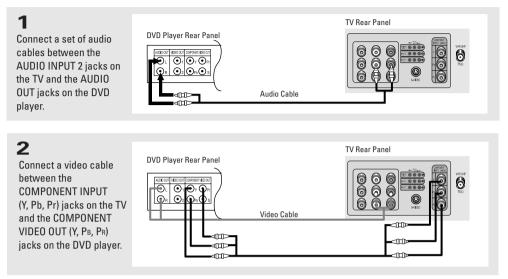
(The VCR input jacks might be either on the front or on back of the VCR.)



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

Connecting a DVD Player

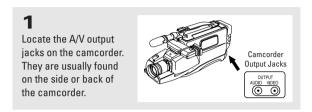
The rear panel jacks on your TV make it easy to connect a DVD player to your TV.

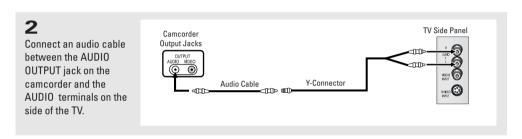


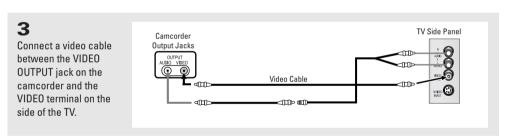
Note: For an explanation of Component video, see your DVD player's owner's manual.

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 an External Signal Source" on page 35)







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.)

Chapter Three

OPERATION

Turning the TV On and Off

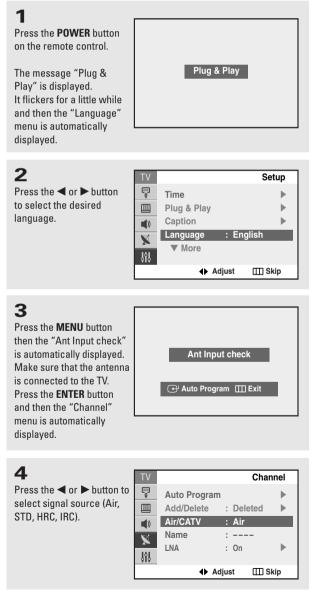
Press the " ■ " button (On/Off) on the front of the television.

Press the **POWER** button on the remote control to switch the television on.

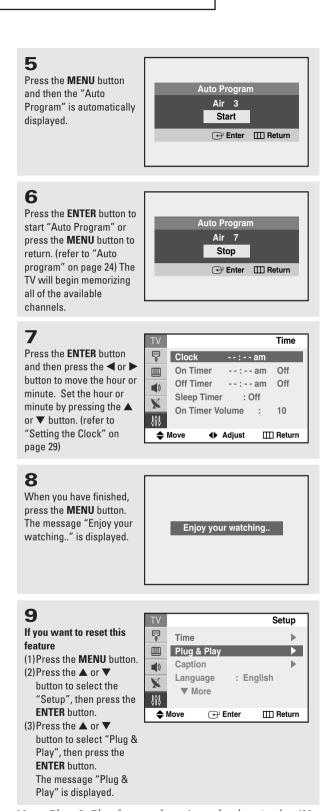
Caution: One pole switch is totally not off (one line still live) if power cord is not unplugged.

Plug & Play Feature

When the TV is initially powered On, five basic customer settings proceed automatically and subsequently: Setting the language, Video signal source, Ant. input check, Auto program and Clock.



English - 20



Note: Plug & Play feature doesn't work when in the AV mode.

Viewing the Menus and On-Screen Displays

Viewing the Menus



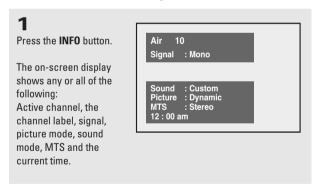
 The on-screen menus disappear from the screen after two minutes.



You can also use the MENU, CH and VOL buttons on the control panel of the TV to make selections.

Viewing the Display

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



■ The on-screen displays disappear after ten seconds.

Selecting a Menu Language





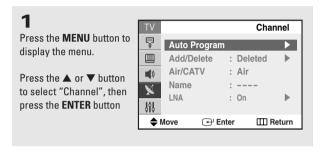


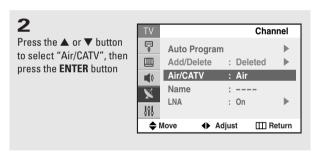
Memorizing the Channels

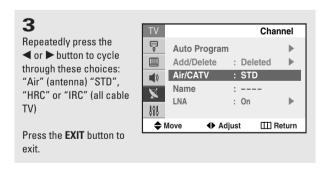
 $CH \sim$ buttons to scan through the channels. This eliminates the need to change channels by entering the channel digits. There are three steps for memorizing channels: selecting a broadcast source, memorizing the channels (automatic) and adding and deleting channels (manual).

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).

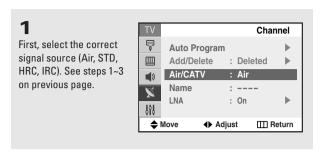


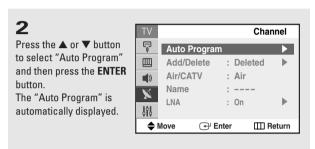


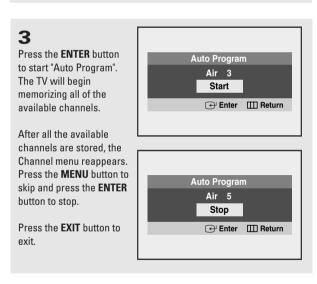


■ STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area.

Storing Channels in Memory (Automatic Method)



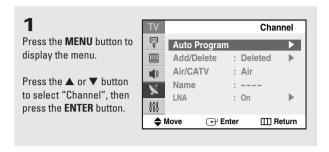


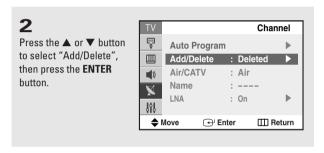


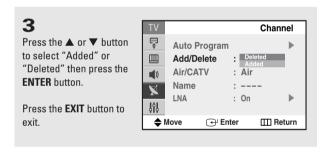
■ The TV automatically cycles through all of the available channels and stores them in memory. This takes about one to two minutes.

Adding and Erasing Channels (Manual Method)

First, press the $CH \land$ or $CH \lor$ button or the number buttons to select the channel you want to add or delete.







Changing Channels

Using the Channel Buttons

1

Press the $CH \land Or CH \lor Or CH \lor Or CH \lor Or CH Or CH Or CH Or CH OR CHANGE CHANNELS.$

When you press $CH \land$ or $CH \lor$, 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.

1

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

1

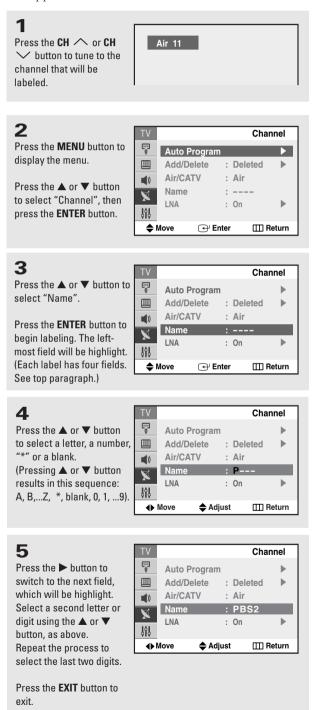
Press the **PRE-CH** button. The TV will switch to the last channel viewed.



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

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 four 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.



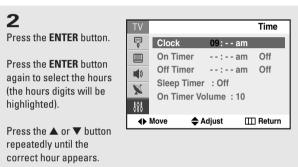
■ You cannot select "Name" in the AV mode.

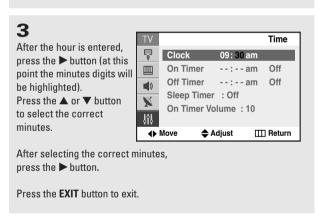
English - 28

Setting the Clock

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







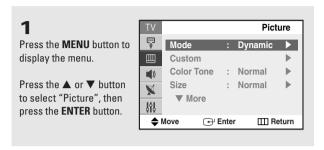
■ When selecting the hours, be sure to select the proper time of day (am or pm).

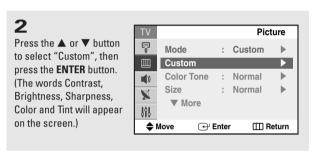
You can change the hours by pressing the \triangle or ∇ button repeatedly (or by holding down either of these buttons).

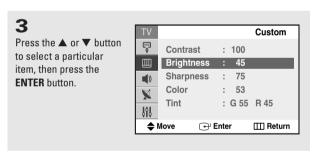
The current time will appear every time you press the INFO button.

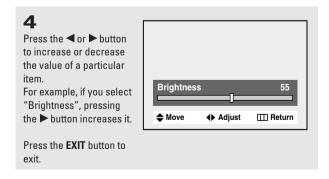
Customizing the Picture

You can use the on-screen menus to change the Contrast, Brightness, Sharpness, Color, Tint and according to personal preference. (Alternatively, you can use one of the "Automatic" settings. See next page.)





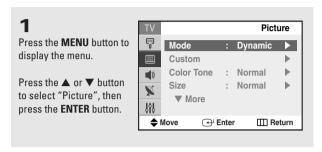


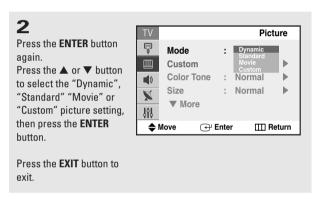


■ After adjusting an item, the gauge will automatically disappear (after about 10 seconds).

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





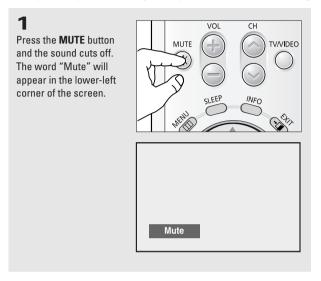
- Choose "Dynamic" for viewing the TV during the day or when there is brightlight in the room.
- Choose "Standard" for the standard factory settings.
- Choose "Movie" when viewing the movie.
- Choose "Custom" if you want to adjust the settings according to personal preference (see "Customizing the Picture", page 30).

Adjusting the Volume

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

Using the MUTE Button

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

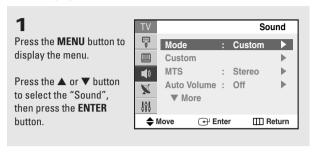


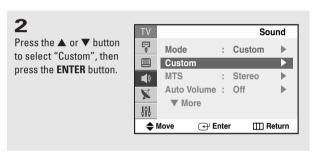
2

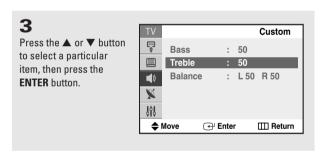
To turn mute off, press the $\pmb{\text{MUTE}}$ button to again, or simply press either the $\pmb{\text{VOL}}$ + or $\pmb{\text{VOL}}$ – button.

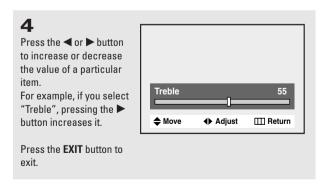
Customizing the Sound

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.)





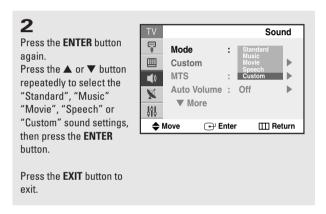




Using Automatic Sound Settings

Your TV has four automatic sound settings ("Standard", "Music", "Movie" and "Speech") that are preset at the factory. 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.
 (see "Customizing the Sound", page 33).

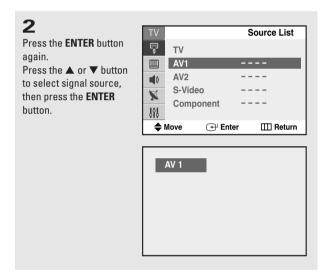
Viewing an External Signal Source

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

Setting the Signal Source



 Quick way to access the external signal source: Just press the TV/VIDEO button on the remote control.



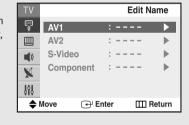
Assigning Names to External input mode



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



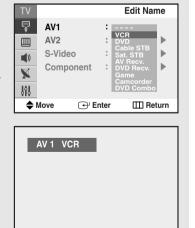
3 Press the ▲ or ▼ button to select the Source List, then press the ENTER button.



Press the ▲ or ▼ button to select external device (VCR, DVD, Cable STB, Sat. STB, AV Recv., DVD Recv., Game, Camcorder, DVD Combo), then press the ENTER button.

Set other signal sources (AV2, S-Video, Component) using the same method as listed above.

Press the **EXIT** button to exit.

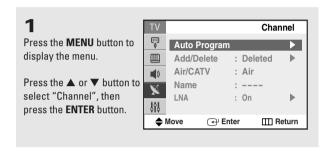


Chapter Four

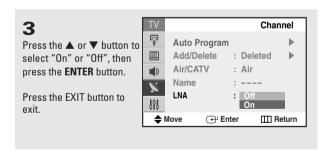
SPECIAL FEATURES

LNA (Low Noise Amplifier)

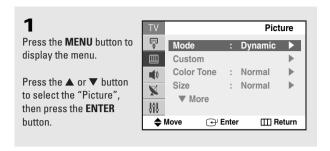
When a weak broadcast signal causes unclear noisy picture, the "LNA" feature improves the picture quality by setting to "On". If you experience noise on a certain channel, set the "LNA" to "On" or "Off" for this channel, to obtain the optimum picture.



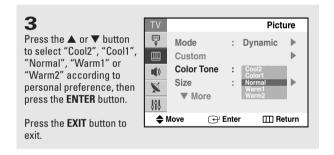




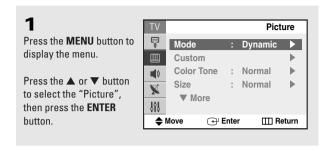
Changing the Color Tone

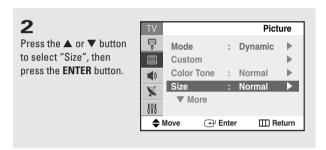


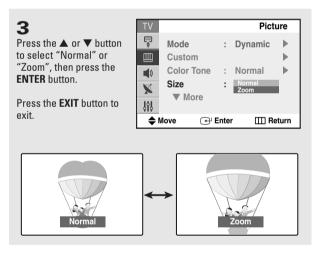




Changing the Screen Size





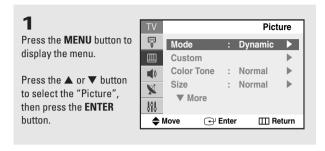


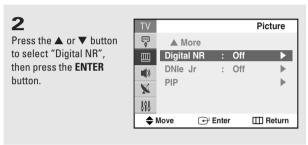
 Screen size cannot be changed in the PIP mode.

- Normal (4:3): Sets the picture to 4:3 normal mode.
- Zoom : Magnifies the size of the picture on screen.

Digital Noise Reduction

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





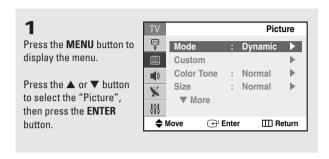


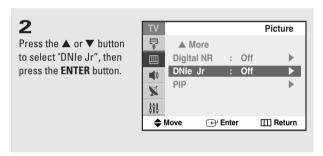
■ Pressing the A or V button will alternate between "On" and "Off".

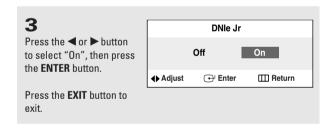
DNIe Jr™ (Digital Natural Image engine) DNIeJr™



Samsung's New Technology enables an improved image with detail, contrast and white enhancement and 3D noise reduction.

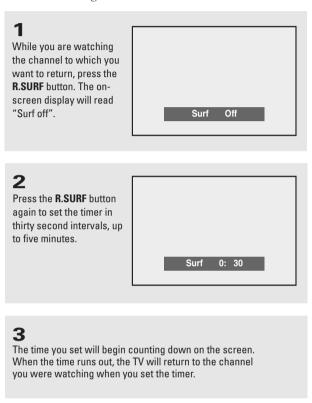






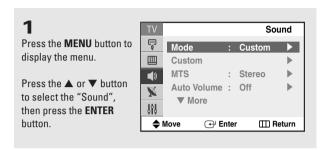
Using the R.Surf Feature

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:

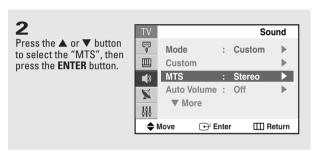


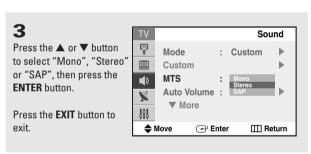
Choosing a Multi-Channel Sound (MTS) Soundtrack

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.)



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





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

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

Extra Sound Settings (Auto Volume, Turbo Sound or Pseudo Stereo)

The following sound settings can be adjusted to suit your personal preferences

• Auto Volume

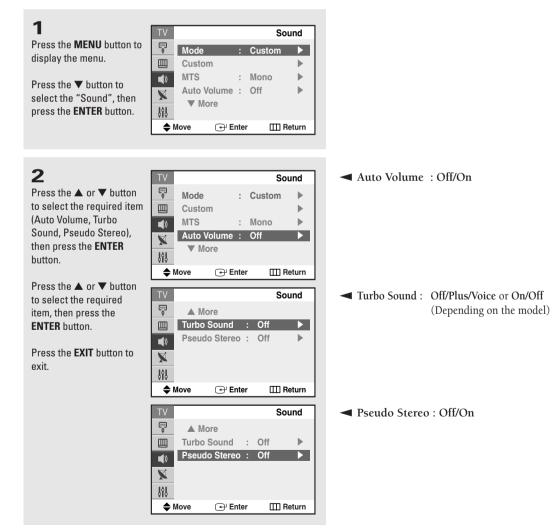
Each broadcasting station has its own signal conditions, which can make it necessary to adjust the volume every time the channel is changed. "Auto volume" lets you automatically adjust the volume of the desired channel by lowering the sound out put when the modulation signal is high or by raising the sound output when the modulation signal is low.

Turbo Sound

Turbo sound emphasizes the bass and treble frequencies to add fullness to the sound.

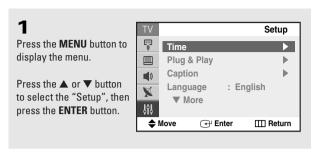
• Pseudo Stereo

"Pseudo Stereo" converts a monaural sound signal into two identical left and right channels. Once the "Pseudo Stereo" is set to "On" or "Off", the setting applies to the sound effects such as "Standard", "Music", "Movie" and "Speech".



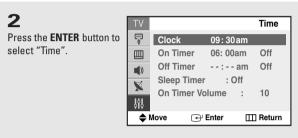
English - 44

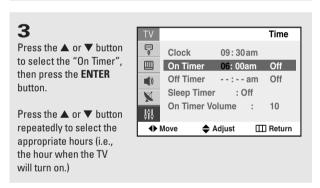
Setting the On/Off Timer

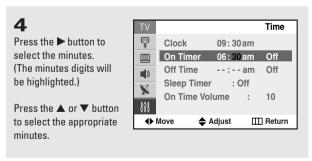


■ Before using the timer, you must set the TV's clock. (See "Setting the Clock" on page 29).

When any of the timers are set, the "Timer" LED will illuminate (front panel of TV.)

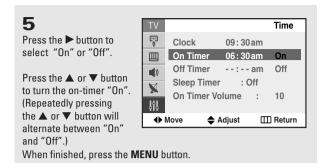




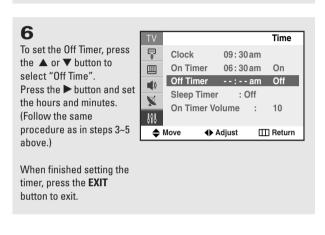


Continued...

SPECIAL FEATURES



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



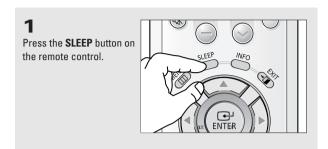
■ Absent Power Off

When you set the timer "On", your television will eventually be turned off, if you do not operate any controls during the 3 hours after the TV is turned on by timer.

This function is available in only the timer "On" mode and will prevent a leakage accident or overheating, caused by your TV left on for a long time due to the timer "On" (when you are away on holiday, for example).

Setting the Sleep Timer

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



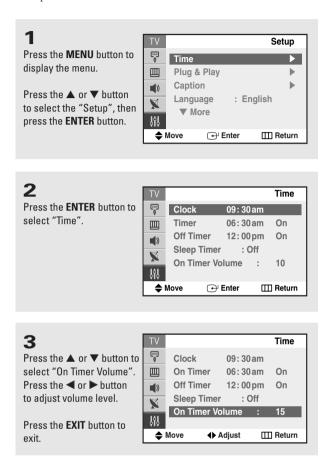
■ After about 5 seconds, the sleep display will disappear from the screen, and the time interval will be set.





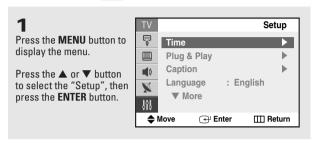
Setting the Preferred Volume Level

The preferred volume can be set for when the timer automatically turns on the TV.



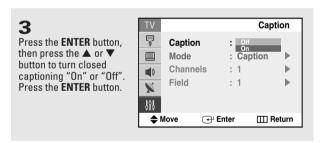
Viewing Closed Captions

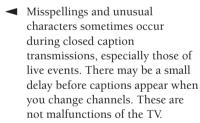
Your TV decodes and displays the closed captions that are broadcast with certain TV shows. These captions are usually subtitles for the hearing impaired or foreign-language translations. All VCRs record the closed caption signal from television programs, so home-recorded video tapes also provide closed 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].

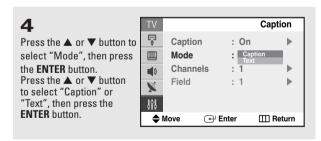












- In "Caption" mode, captions appear at the bottom of the screen, and they usually cover only a small portion of the picture.
 - In "Text" mode, information unrelated to the program, such as news or weather, is displayed. Text often covers a large portion of the screen.
- Different channels and fields 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.)

5

Depending on the particular broadcast, it might be necessary to make changes to "Channels" and "Field":

Use the \triangle , ∇ , \triangleleft and \triangleright buttons to make the changes. (Follow the same procedure as in steps $3{\sim}4$ above.)

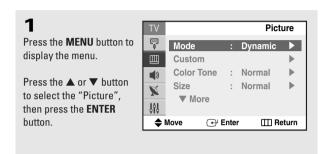
Press the EXIT button to exit.

Viewing Picture-in-Picture

You can use the PIP feature to simultaneously to watch two video sources.

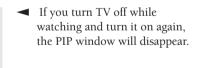
 PIP is selected in the Zoom mode, the Mode is automatically converted into the Normal mode.

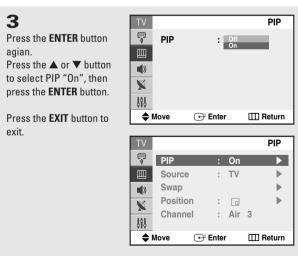
Activating Picture-in-Picture



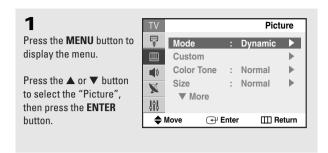
 Quick way to access the PIP: Just press the PIP button on the remote control.



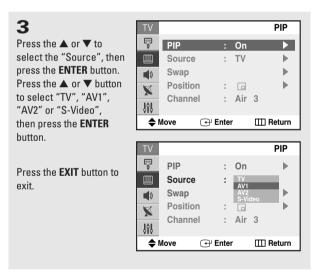




Selecting a Signal Source (External A/V) for PIP

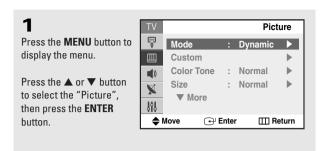




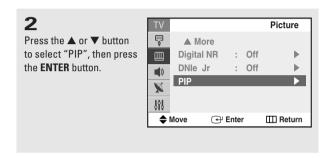


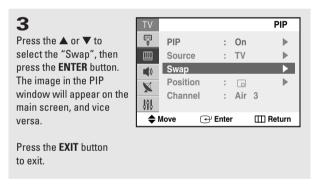
▼ For more information about external A/V components and signals, see "Viewing an External Signal Source" on page 35. If you select "TV", the PIP image is the same as the main image.

Swapping the Contents of the PIP image and Main image

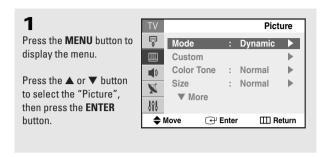


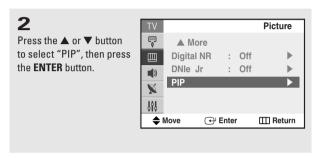
 Quick way to access the SWAP: Just press the SWAP button on the remote control.

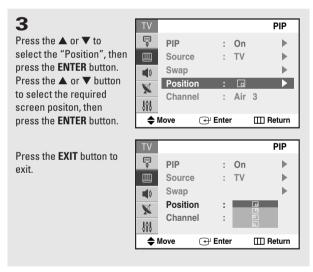




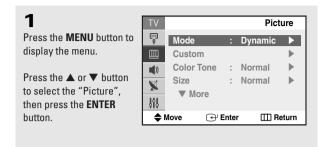
Changing the Position of the PIP Window



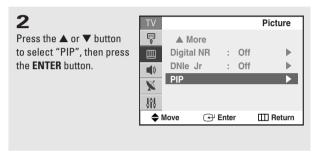


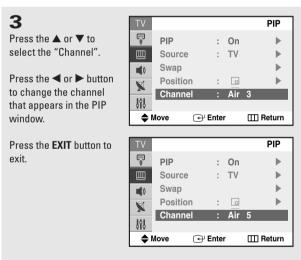


Changing the PIP Channel

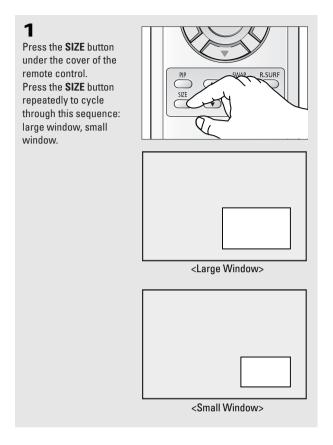


Quick way to access the PIP channel: Just press the CH▲ or CH ▼ button on the remote control.



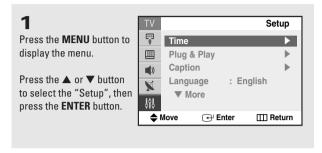


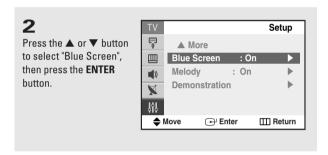
Changing the Size of the PIP Window

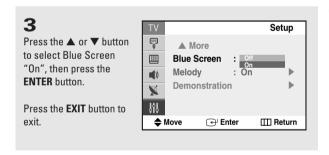


Setting the Blue Screen Mode

If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the "Blue screen" mode to "Off".







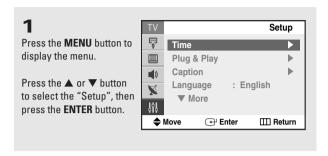
■ Pressing the

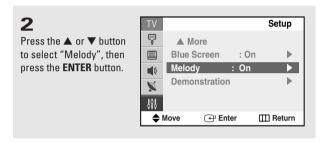
 or

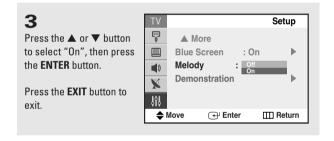
 button
 will alternate between "On"
 and "Off".

Setting The On/Off Melody

You can hear clear a melody sound when the TV is powered on or Off.



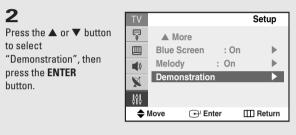


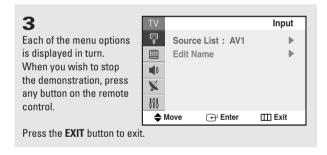


Viewing the Demonstration

To become familiar with the various menus provided by your television, you can view the in built demonstration.







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. Make sure the MUTE button is off.
No color, wrong colors or tints.	Make sure the program is broadcast in color. Adjust the picture settings. 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.

Appendix

Cleaning and Maintaining Your TV

Please follow these guidelines to get the maximum performance from your TV.

Placement

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

Liquids

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

Cabinet

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

Temperature

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

Using Your TV in Another Country

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

Specifications

Model	CT-29M21FQE
Voltage	AC100-240V
Frequency of Operation	50/60 Hz
Power Consumption	110 Watts
Dimensions (mm/inches)	766 x 583 x 491 30.15 x 22.95 x 19.33
Weight (Kg/lbs)	42 / 92.59
Viewing screen size	720mm

Мемо

Мемо

Мемо

