SAMSUNG

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TCD1372/1373/1382
TXD1372/1373/1382
TXD1972/1973/1982/2022
TXE1370/1970

COLOR TELEVISION

Owner's Instructions

Printed in Mexico
L5000-0120

Warning! Important Safety Instructions

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.

This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

Note to CATV system installer: This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of Canadian Electrical Code, Part I), that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Caution: FCC regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: To prevent electric shock, match the wide blade of plug to the wide slot, and fully insert the plug.

Attention: pour eviter les chocs electriques, introduire la lame le plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

Important: One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws.

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

Thank You for Choosing Samsung

Thank you for choosing Samsung! Your new Samsung TV receiver represents the latest in television technology. We designed it with easy-to-use on-screen menus and closed captioning capabilities, making this TV receiver one of the most desirable products in its class. We're proud to offer you a product that will provide convenient, dependable service and enjoyment for years to come.

Important Safety Information

Always be careful when using your TV receiver. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your machine.

- Read all safety and operating instructions before operating the TV receiver.
- Retain the safety and operating instructions for future reference.
- Heed all warnings on the TV receiver and in the operating instructions.
- Follow all operating and use instructions.
- Unplug the TV receiver from the wall outlet before cleaning. Use a damp cloth; do not use liquid or aerosol cleaners.
- Never add any attachments and/or equipment without approval of the manufacturer. Such additions may result in the risk of fire, electric shock, or other personal injury.
- Do not use the TV receiver where contact with or immersion in water is a possibility, such as near bath tubs, sinks, washing machines, swimming pools, etc.
- Do not place the TV receiver on an unstable cart, stand, tripod, bracket, or table. The TV receiver may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the TV receiver. Follow the manufacturer's instructions when mounting the unit, and use a mounting accessory recommended by the manufacturer. Move the TV receiver and its cart with care. Quick stops, excessive force, and uneven surfaces may cause the unit and cart to overturn.

- Provide ventilation for the TV receiver. The unit is designed with slots in the cabinet for ventilation to protect it from overheating. Do not block these openings with any object, and do not place the TV receiver on a bed, sofa, rug, or other similar surface. Do not place it near a radiator or heat register. If you place the TV receiver on a rack or bookcase, ensure that there is adequate ventilation and that you've followed the manufacturer's instructions for mounting.
- Operate your TV receiver only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company.

- Use only a grounded or polarized outlet. For your safety, this TV receiver is equipped with a polarized alternating current line plug having one blade wider than the other. This plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still doesn't fit, contact your electrician to replace your outlet.

- Protect the power cord. Power supply cords should be routed so that they are unlikely to be walked on or pinched by items placed on or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

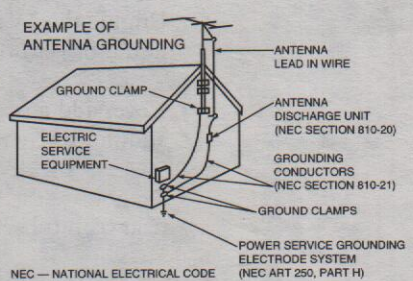
- Unplug the TV receiver from the wall outlet and disconnect the antenna or cable system during a lightning storm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-line surges.

- Avoid overhead power lines. An outside antenna system should not be placed in the vicinity of overhead power lines or other electric light or power circuits or where it can fall into such power lines or circuits. When installing an outside antenna system, be extremely careful to keep from touching the power lines or circuits. Contact with such lines can be fatal.

- Do not overload the wall outlet or extension cords. Overloading can result in fire or electric shock.

- Do not insert foreign objects through openings in the unit, as they may touch dangerous voltage points or damage parts. Never spill liquid of any kind on the TV receiver.

- Ground outdoor antennas. If an outside antenna or cable system is connected to the TV receiver, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



- Do not attempt to service the TV receiver yourself. Refer all servicing to qualified service personnel. Unplug the unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - when the power-supply cord or plug is damaged
  - if liquid has been spilled on the unit or if objects have fallen into the unit
  - if the TV receiver has been exposed to rain or water
  - if the TV receiver does not operate normally by following the operating instructions
  - if the TV receiver has been dropped or the cabinet has been damaged
  - when the TV receiver exhibits a distinct change in performance

  If you make adjustments yourself, adjust only those controls that are covered by the operating instructions. Adjusting other controls may result in damage and will often require extensive work by a qualified technician to restore the TV receiver to normal.

- When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in additional damage to the unit.

- Upon completion of any service or repairs to this TV receiver, ask the service technician to perform safety checks to determine that the TV receiver is in a safe operating condition.

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Chapter One

Your New TV

This chapter will help to familiarize you with your new TV.

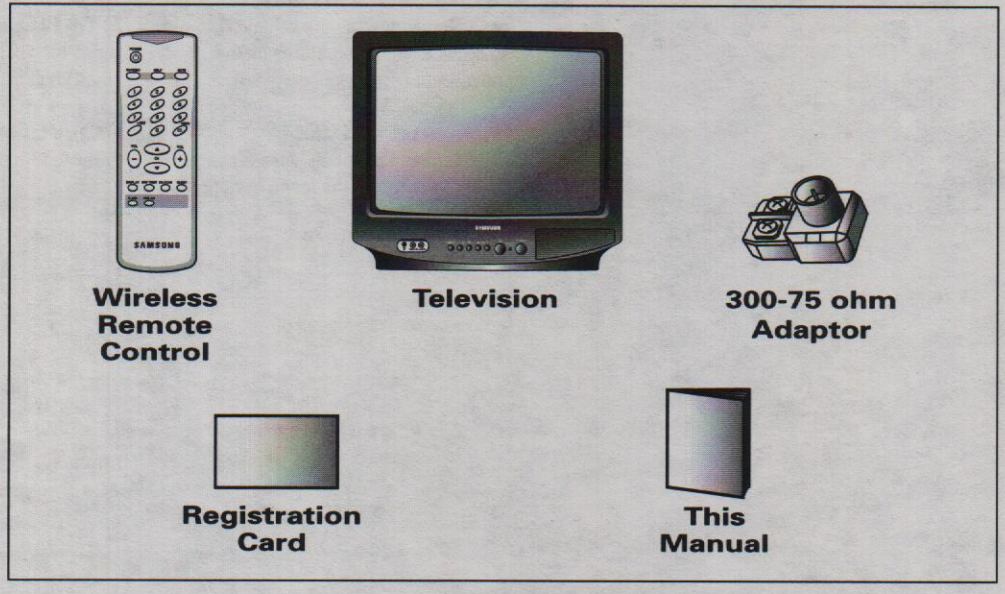
List of Features

Your Samsung TV was designed and engineered using the latest technology. This TV is a full-featured, high-performance unit that not only meets, but exceeds, industry standards. Along with the standard features you expect, Samsung has included the following special features:

- Easy-to-operate remote control
- Easy-to-use on-screen menu system you can use from the front panel or the remote control
- Automatic timer to turn the TV on and off at any time you choose
- Special picture settings, pre-set at the factory for the highest resolution
- Automatic channel tuning for up to 181 channels
- A previous channel button to quickly see the last channel you were viewing
- A special filter to reduce or eliminate reception problems
- Fine tuning control for the sharpest picture possible
- A built-in single channel speaker (3 watts)
- A special sleep timer
- Automatic help for even the most advanced features
- Tri-lingual on-screen displays (English, Spanish, and French)

Checking Parts

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. Also, please fill out the registration card and return it to Samsung.

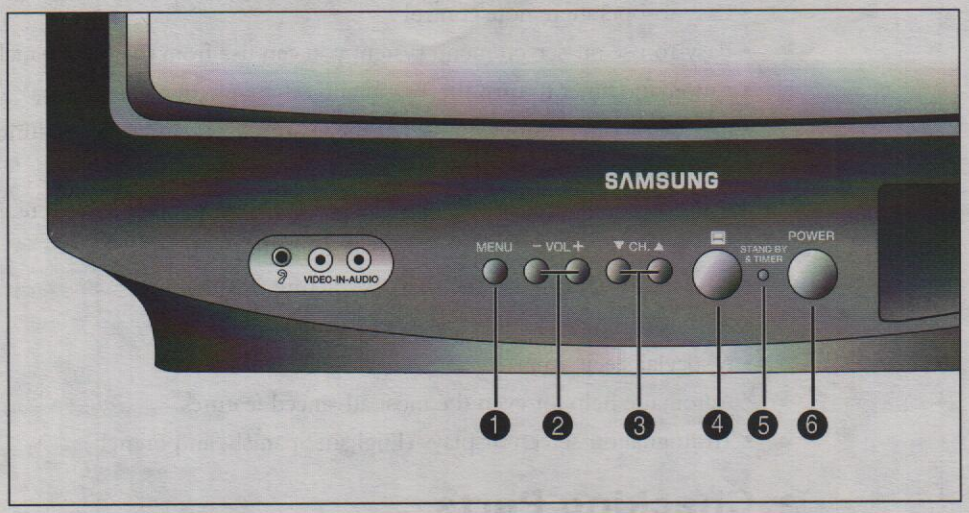


Familiarizing Yourself with Your New TV

Take a few moments to familiarize yourself with your new TV by reviewing the next few pages.

Front Panel Buttons and Indicators

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



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

2 – VOL and VOL +
Press to lower or raise the volume. Also press to change features on the menu system.

3 CH ▼ and CH ▲
Press to change channels. Also press to select features on the menu system.

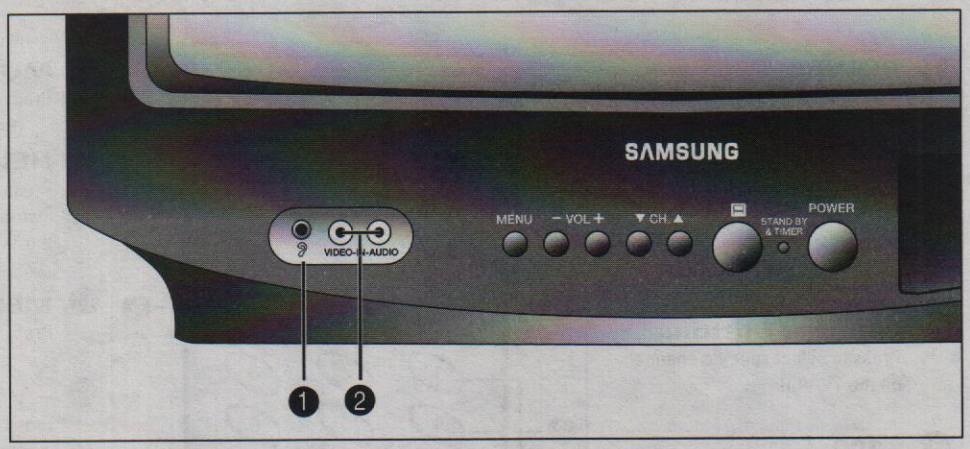
4 Remote Control Sensor
Aim the remote control towards this spot on the TV.

5 STAND BY & TIMER
Lights up when the TV's timer is set or when you turn the power off.

6 POWER
Press to turn the TV on or off.

Front Panel Jacks < Option >

For information on connecting equipment, please see pages 2.1 – 2.5.

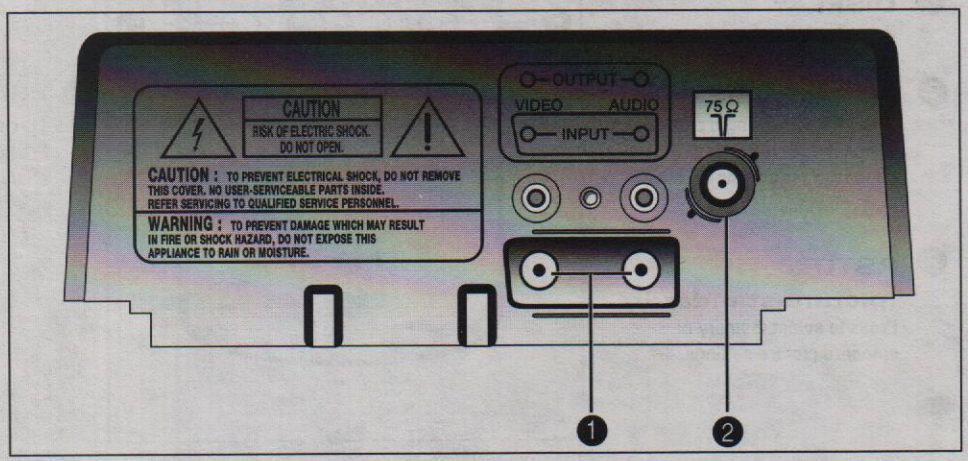


1 EARPHONE jack
Connect a set of external earphones to this jack for private listening.

2 VIDEO and AUDIO input jacks
Use these jacks to connect a camcorder or video game.

Rear Panel

For information on making the connections referred to here, see pages 2.1-2.5.



1 VIDEO and AUDIO input jacks
Use these jacks to connect a VCR or other video equipment.

2 VHF/UHF Antenna terminal
Use this terminal to connect an outdoor antenna or cable system.

Remote Control

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

1 POWER
Press to turn the TV/VCR on and off.

2 TV/VIDEO
Press once to watch TV programs; press again to see the picture from your VCR.

3 Number buttons
Press to select specific channels on the TV/VCR.

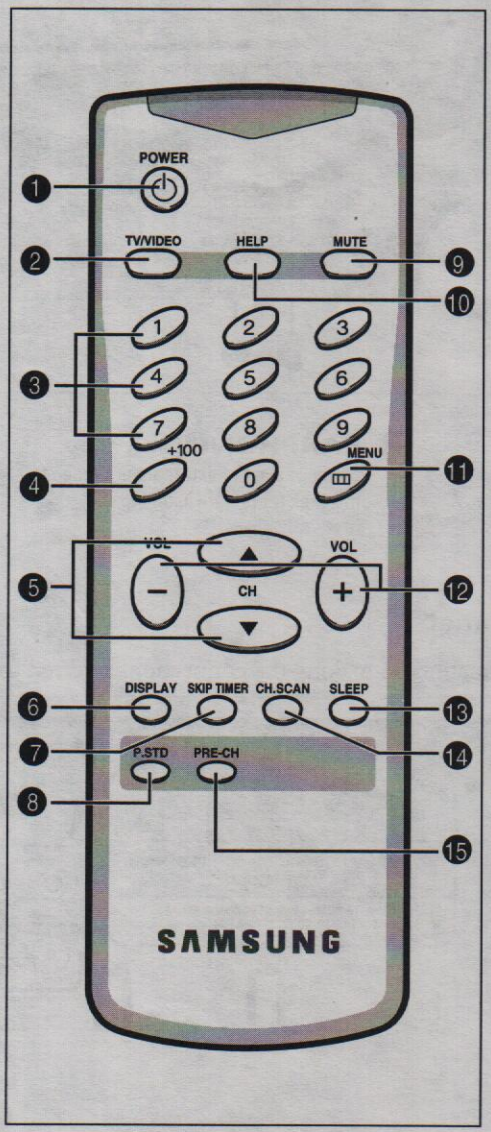
4 +100
Press to directly select channels over 100. For example, to select channel 121, press "+100," then press "2" and "1.

5 CH▲, CH▼
Press ▲ or ▼ to change channels on the TV/VCR.

6 DISPLAY
Press to show on-screen displays.

7 SKIP TIMER
Press when viewing a channel to automatically return to that channel after an amount of time that you set..

8 P.STD (picture-standard)
Press to select memory or standard picture settings.



9 MUTE
Press to silence (mute) the volume.

10 HELP
Press this button for detailed instructions and hints while using the TV menu.

11 MENU
Press to display the main menu.

12 – VOL +
Press **–VOL** to decrease or **VOL+** to increase the volume on the TV/VCR.

13 SLEEP
Press to select the desired tape speed.

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

15 PRE-CH (previous channel)
Press to quickly tune to the last channel on the TV/VCR.

Chapter Two

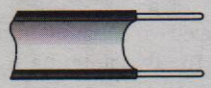
INSTALLATION

In this chapter, you will learn to connect your TV, antenna, cable system, and VCR. Choose the sections below that apply to your system, and then follow the step-by-step instructions to connect your new TV.

Connecting VHF and UHF Antennas

If you do not have cable TV, you will need to connect an antenna to your TV. To connect an antenna, follow the instructions in one of the following sections.

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



If your antenna has one lead that looks like this, see "Antennas with 75-ohm Round Leads," on page 2.2.

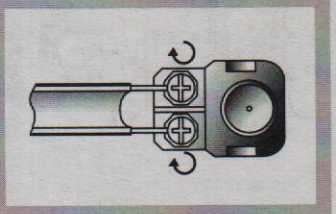
If you have two antennas, see "Separate VHF and UHF Antennas," on page 2.2.

Antennas with 300-ohm Flat Twin Leads

If you are using an off-air antenna (such as a roof antenna or "rabbit ears") that has 300-ohm twin flat leads, follow the directions below.

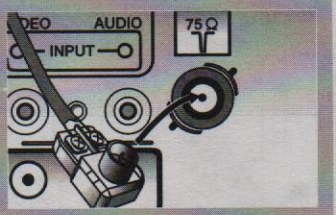
1

Place the wires from the twin leads under the screws on the 300-75 ohm adaptor (included). Use a screwdriver to tighten the screws.



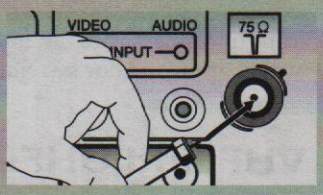
2

Plug the adaptor into the terminal on the bottom of the back panel.



Antennas with 75-ohm Round Leads

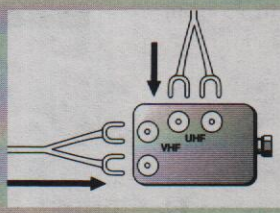
1
Plug the antenna lead into the terminal on the bottom of the back panel.



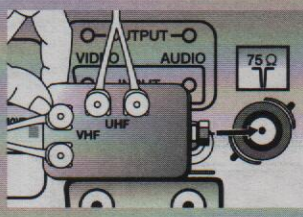
Separate VHF and UHF Antennas

If you have two separate antennas for your TV (one VHF and one UHF), you must combine the two antenna signals before connecting the antennas to the TV. This procedure requires a combiner attachment. You'll find the type of combiner you need at an electronics store.

1
Connect both antenna leads to the combiner.



2
Plug the combiner into the terminal on the bottom of the rear panel.



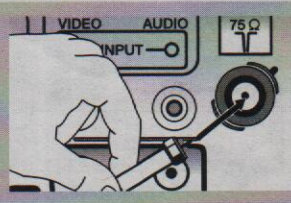
Connecting Cable TV

To connect a cable system, follow the instructions in one of the following sections.

Cable without a Converter Box

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

1 Plug the incoming cable into the antenna terminal on back of the TV.

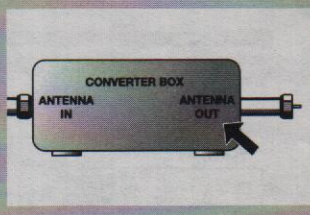


◄ Because your new TV is cable-ready, you don't need a cable box converter for basic cable channels.

Cable with a Converter Box

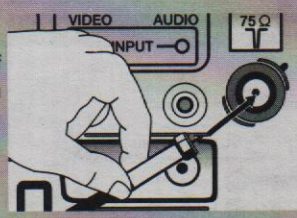
If you want to connect cable, and you need to use a converter box to descramble channels:

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



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

2 Connect the other end of this cable to the antenna terminal on the back of the TV.

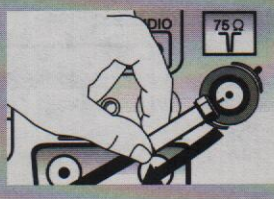


◄ If you only need to use the cable box to descramble a few (but not all) channels, you might want to contact your cable company. They may be able to suggest other ways to connect your TV.

Connecting a VCR

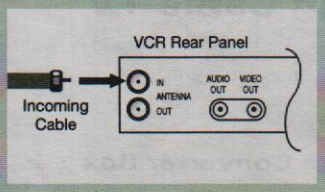
These instructions assume that you have already connected a cable or antenna to your TV., according to to the instructions on pages 2.1-2.3. If you haven't already connected an antenna or cable, you can skip step **1**.

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

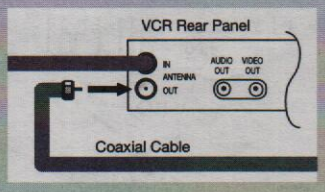


continued...

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

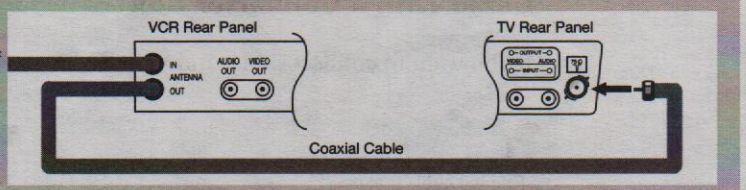


3 Connect a coaxial cable to the ANTENNA OUT terminal on the back of the VCR.

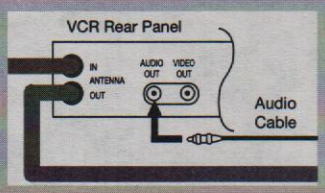


◄ A coaxial cable is usually included with a VCR. You can also purchase a coaxial cable at your local electronics store.

4 Connect the other end of the cable to the antenna terminal on the back of the TV.

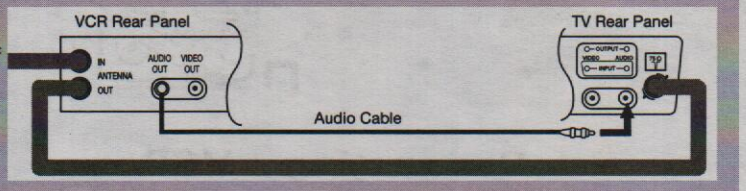


5 Connect an audio cable to the AUDIO OUT terminal on the back of the VCR.

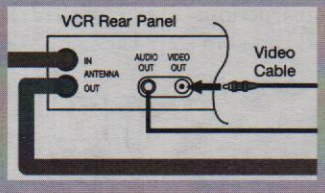


◄ An audio cable is usually included with a VCR. You can also purchase an audio cable at your local electronics store.

6 Connect the other end of the cable to the AUDIO IN terminal on the back of the TV.

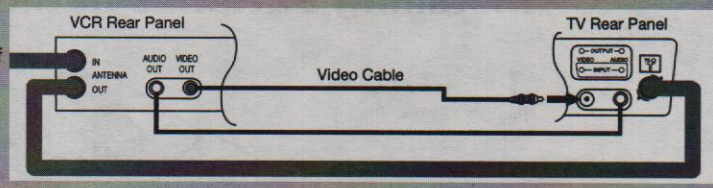


7 Connect a video cable to the VIDEO OUT terminal on the back of the VCR.



◄ A video cable is usually included with a VCR. You can also purchase a video cable at your local electronics store.

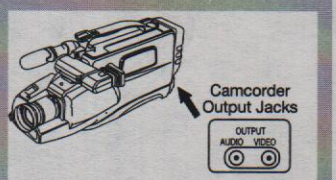
8
Connect the other end of the cable to the VIDEO IN terminal on the back of the TV.



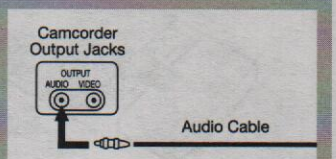
Connecting a Camcorder(Option)

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

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

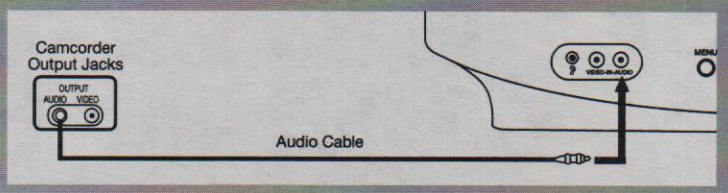


2
Connect an audio cable to the AUDIO OUT terminal on the camcorder.

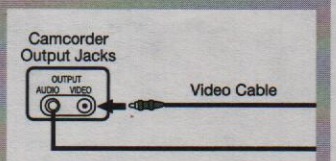


◄ An audio cable is often included with a camcorder. You can also purchase an audio cable at your local electronics store.

3
Connect the other end of the cable to the AUDIO IN terminal on the front of the TV.

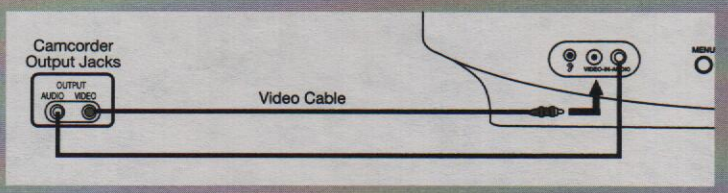


4
Connect a video cable to the VIDEO OUT terminal on the camcorder.



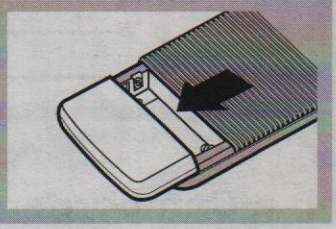
◄ A video cable is often included with a camcorder. You can also purchase a video cable at your local electronics store.

5
Connect the other end of the cable to the VIDEO IN terminal on the front of the TV.

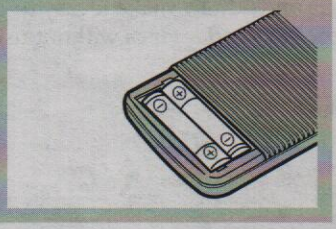


Installing Batteries in the Remote Control

1
Pull the cover to the full to take it out.

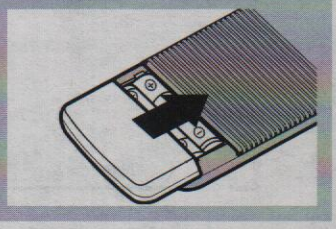


2
Install two AAA size batteries.



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

3
Replace the lid.



◄ 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.

Batteries last for about one year.

Chapter Three

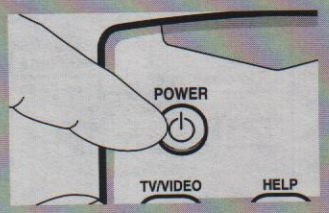
TV Operation

In this chapter, you will learn how to use the basic features of your TV. You will find information on using the on-screen menus, memorizing and changing channels, and setting the clock. Then, you will learn how to use the convenience features such as customizing your picture settings and using the sleep timer.

Turning the TV On/Off

To turn your TV on or off:

1
Press **POWER**.

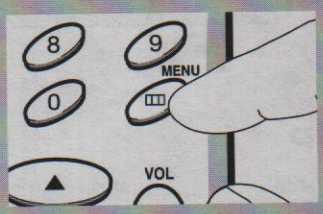


◄ The TV will turn on and you will be ready to use the menus.

Viewing the Menus

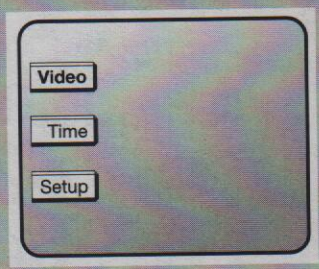
Your Samsung TV has a simple, easy-to-use menu system that appears on the TV screen. This system makes it simple and fast to use features on the TV. Please take a few moments to familiarize yourself with how to use the menus.

1
With the power on, press **MENU**.



◄ All on-screen displays and menus disappear from the screen in less than twenty seconds.

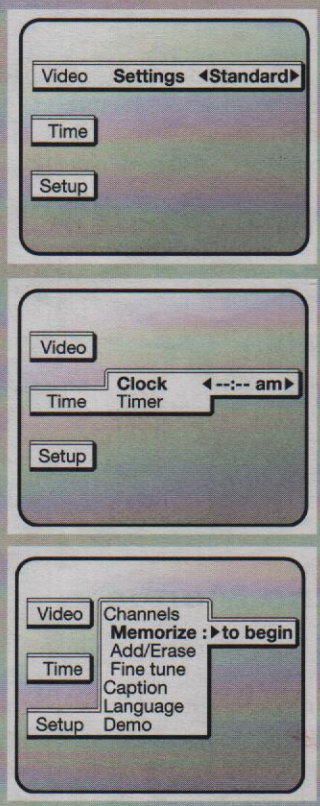
The main menu appears on the screen. The Video menu is highlighted.



continued...

2
With the main menu on the screen, press **MENU** repeatedly.

You will cycle through the Video menu, the Time menu, and the Setup menu.

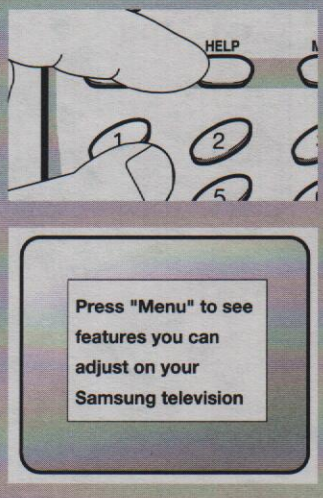


◄ If you press MENU while the Setup menu is on the screen, the menus will disappear from the screen. Simply press MENU again to bring the menus back onto the screen.

Using Help

Any time that you need more information or instructions while using the menus, you can use Samsung's special help system.

1
Press **HELP** at any time for on-screen instructions.



◄ The help information is customized for most of the features on the menus. Try highlighting different features, then pressing HELP, to see descriptions or instructions for those features.

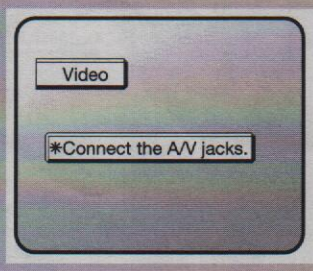
The help instructions will automatically disappear from your screen after a few moments.

Seeing Special Help

In certain situations, your Samsung TV will automatically display messages to guide you in operating it correctly.

1

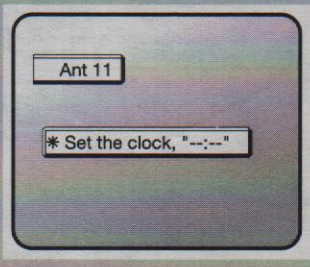
If you press the **TV/VIDEO** button without first connecting a VCR or camcorder, you will see this message.



◄ For more information about viewing a VCR or camcorder tape, please see page 3.12.

2

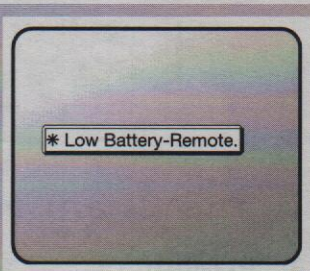
If TV is re-on after a power outage or after unplugging the TV while Timer function is on, you will see this message.



◄ For more information about viewing, see page 4.1 "Setting the on/off Timer"

3

If the batteries in your remote control are low, you will see this message.



Selecting the Menu Language

You can choose to have your TV menus displayed in English, Spanish, or French.

1

Press **MENU** repeatedly until you see the Setup menu.

◄ For information on viewing the main menu, see page 3.1.

continued...

2

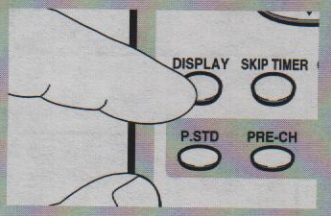
Press **CH ▼** until "Language" is highlighted.

3

Press **–VOL** or **VOL+** to select one of three languages: English, Spanish, or French.

4

Press **DISPLAY** to exit the menus.



◄ You can also press MENU until the menus disappear from the screen.

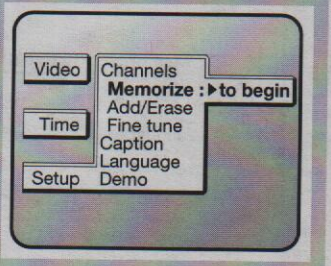
Memorizing the Channels

Storing Channels in Memory

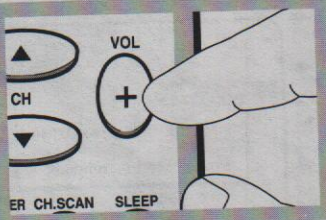
Your TV can memorize and store all of the channels you can receive, whether you have cable TV or another kind of antenna system. Once these channels are in memory, you can use the CH ▲ and CH ▼ buttons to scan through the channels, eliminating the need to enter individual channel digits with the number buttons.

1

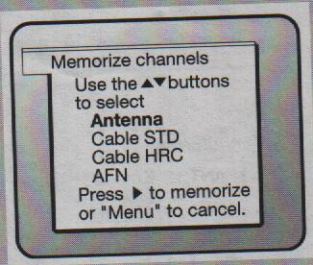
Press **MENU** repeatedly until you see the Setup menu.



2 Press **VOL+**. You will see a screen for selecting the kind of antenna or cable system you connected.

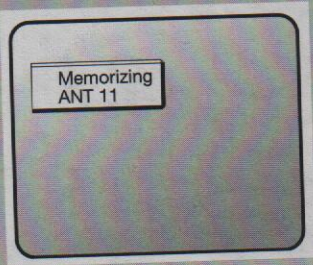


3 If you connected an antenna, leave "Antenna" highlighted. If you connected cable, press **CH ▼** to highlight the type of cable you have: "STD," "HRC," or "IRC."



◄ If you are not sure which type of cable system you have, contact your cable company.

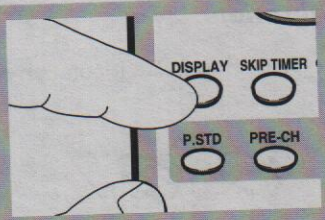
4 Press **VOL+**. The TV will begin memorizing all of the stations it can receive.



◄ The TV automatically cycles through all the channel numbers and places only the available channels in memory. This takes about one to two minutes.

Press MENU at any time to interrupt the memorization process and return to normal viewing.

5 When the TV is finished, it will display the "Memorize channels" screen. Press **DISPLAY** to clear the screen.

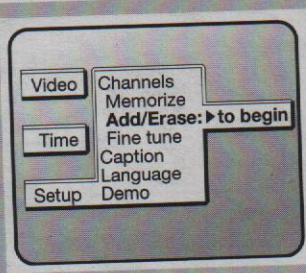


Adding and Erasing Channels

You can manually add a channel to memory or manually erase one from memory.

1 Press **MENU** repeatedly until you see the Setup menu.

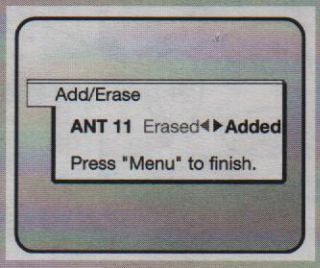
Press **CH ▼** to highlight "Add/Erase."



continued...

2

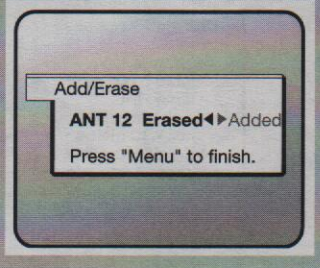
Press **VOL+.** You will see the Add/Erase menu screen.



3

Press **CH ▲** or **CH ▼** to select a channel.

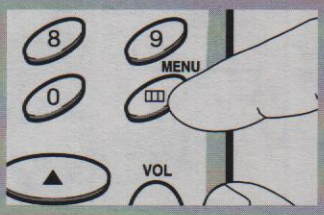
Press **VOL+** to add the channel or **–VOL** to erase the channel.



◄ You can also use the number buttons to directly enter the channel number you wish to add or erase.

4

When you are finished adding or erasing, press the **MENU** button twice to return to normal viewing.



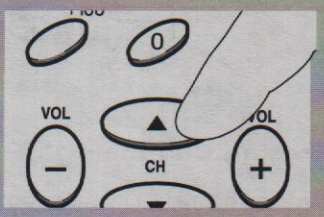
◄ You can still view a channel that's not stored in memory. To do so, use the number buttons on the remote control to select the channel.

Fine Tuning Channels

You can fine tune a channel to make it come in clearer, or to reduce stripes or interference in the picture.

1

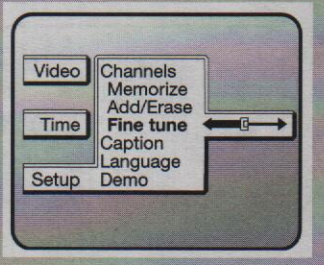
Press **CH ▲**, **CH ▼**, or the number buttons to select the channel you want to fine tune.



2

Press **MENU** repeatedly until you see the setup menu.

Press **CH ▼** until you select "Fine tune."



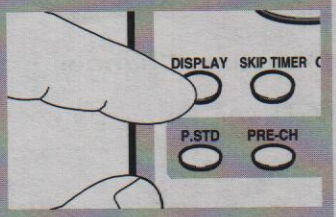
3

Press **–VOL** and **VOL+** until the channel becomes as clear as possible.

◄ When the "slide box" displays a single vertical line, this indicates the "average" fine tuning setting.

4

Press **DISPLAY** or **MENU** to clear the menus from the screen.



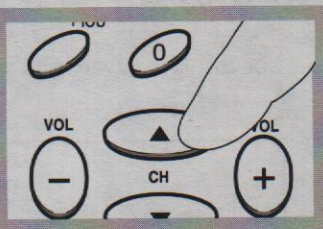
Changing Channels

For your convenience, Samsung provides several different ways to change channels on your TV.

Using the Channel Buttons

1

Press the **CH ▲** or **CH ▼** buttons to change channels.



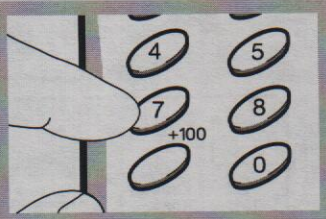
◄ When you press CH ▲ and CH ▼, the TV tunes in each channel in order, up or down. With this method, you will see all channels that the TV has memorized. You will not see channels that were not memorized, or that you erased.

Directly Accessing Channels

You can use the number buttons to quickly go 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 also directly tune to channel that you have erased or that was not memorized by the TV.

If you want to select a channel over 100, press the +100 button. For example, to see channel 122, press "+100," then "2," then "2."

To change to single-digit channels (1–9) faster, press "0" before the single digit. For example, to change to channel "4," press "0," then "4."

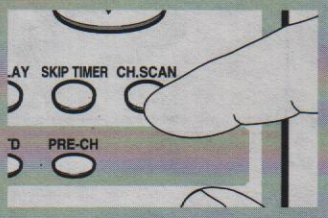
Scanning the Channels

You can automatically scan all of the channels in memory at the touch of just one button.

1

Press **CH.SCAN**.

The TV will change the channels automatically, one by one.



◄ To stop channel scan, press any button.

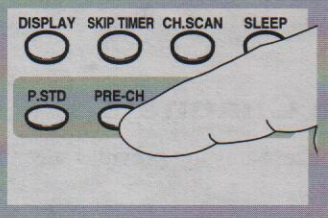
Selecting the Previous Channel

The previous channel feature lets you easily select the channel that you were previously watching.

1

Press **PRE-CH**.

The TV will change to the last channel you were watching.



◄ You can easily switch between two channels that are "far apart." To do this, tune to one channel, then use the number buttons to select the second channel. Then, use the PRE-CH button to quickly switch between channels.

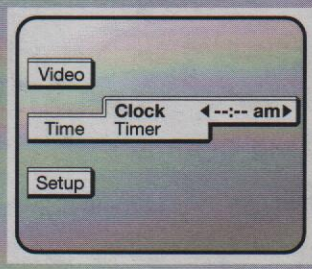
Setting the Clock

The built-in clock will be displayed every time you turn the TV on. To set the clock:

1

Press **MENU** repeatedly until you see the Time menu.

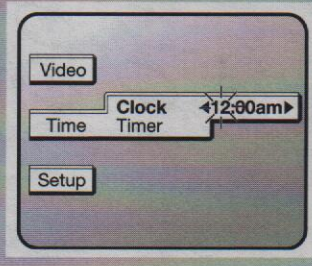
"Clock" will be highlighted.



2

Press **VOL+**.

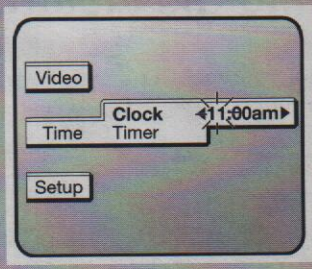
The hour will begin to blink.



3

Press the **CH ▲** or **CH ▼** buttons to select the correct hour.

When you have selected the correct hour, press **VOL+**.



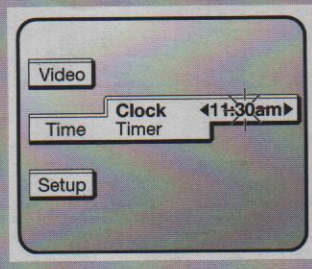
◄ Make sure that you select the proper time of day: AM or PM. You will see AM or PM to the right of the minutes.

You can change the hours by pressing CH ▲ or CH ▼ repeatedly, or by holding the buttons down.

4

Press the **CH ▲** or **CH ▼** buttons to select the correct minute.

When you have selected the correct minute, press **DISPLAY** to exit the menus.



◄ You can change the minutes by pressing CH ▲ or CH ▼ repeatedly, or by holding the buttons down.

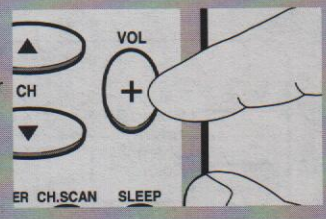
The clock will now appear every time you press DISPLAY.

Adjusting the Volume

To adjust the volume:

1

Press **VOL+** to raise the volume or **–VOL** to lower the volume.



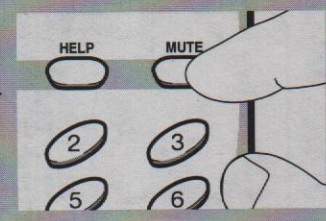
Using Mute

At any time, you can mute (silence) the volume.

1

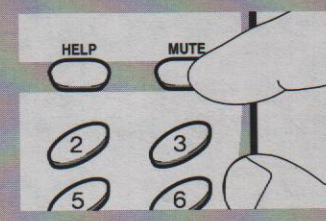
Press **MUTE** and the volume will be silenced.

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



2

To turn mute off, press **MUTE** again, or simply raise or lower the volume.



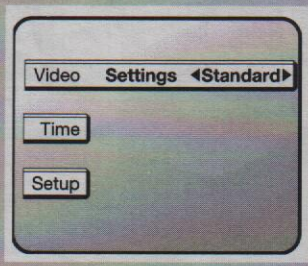
Customizing the Picture

You can use the on-screen menus to manually change the contrast, brightness, sharpness, color, and tint, on your TV. To customize your picture:

1

Press **MENU** twice.

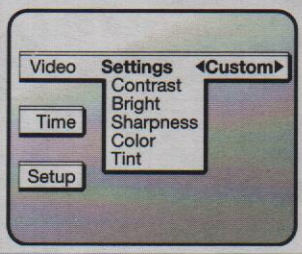
You will see the open Video menu.



2

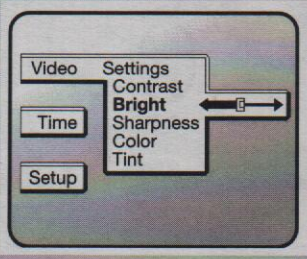
Press **-VOL** or **VOL+** until the word "Custom" appears.

You will also see the items "Contrast," "Bright," "Sharpness," "Color," and "Tint."



3

Press **CH ▼** to select the item you wish to change



4

Press **–VOL** or **VOL+** to raise or lower the value of the item.

For example, when you select "Bright," **VOL+** increases brightness; **–VOL** lowers brightness.

◀ You can find the exact mid-point of each setting by adjusting the "slide-box" until it shows a single vertical black line.

When you are finished adjusting an item, wait a moment. The gauge will disappear and the Video menu will return.

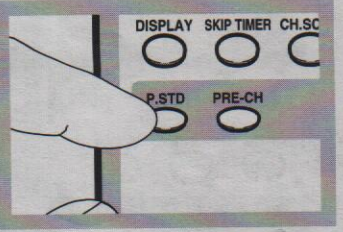
Using Automatic Picture

This is a special Samsung feature that automatically adjusts your picture for you.

1

With the power on, press **P.STD**.

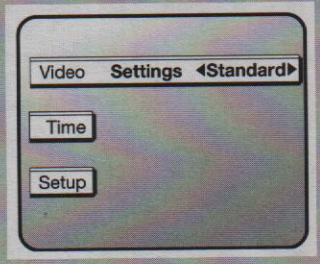
The Video menu will appear.



2

Press **-VOL** or **VOL+** to select an automatic picture setting.

Press **DISPLAY** when you are finished.



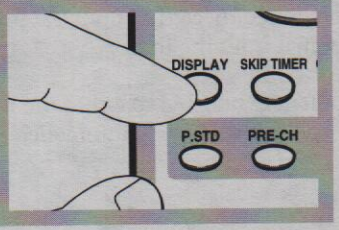
- Choose *Standard* to set the TV to operate at top performance according to your TV's specifications.
- Choose *Sports* for viewing the TV during the day or when there is bright light in the room.
- Choose *Movies* when viewing movies or VCR tapes.
- Choose *Mild* when viewing the TV in low light, or when playing video games.
- Choose *Custom* if you want to adjust the settings yourself.

Viewing the On-Screen Displays

Along with a complete help system and a menu system, your Samsung TV provides you with on-screen displays. To see the displays:

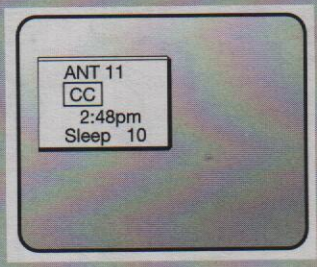
1

With the power on, press **DISPLAY**.



2

The on-screen display will show the channel you are watching, the time of day, and the amount of time left on the sleep timer (if the sleep timer is set).



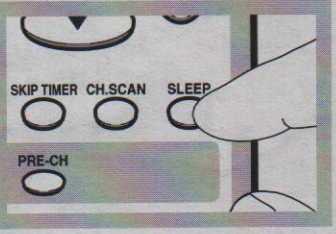
◄ To remove the displays, press DISPLAY a second time.

If you are not using Closed Captions, **CC** will not appear when you press DISPLAY. Please see page 4.4.

Setting the Sleep Timer

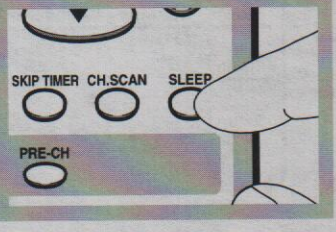
The sleep timer allows you to select the length of time your TV remains on before turning off automatically. This is especially convenient if you like to fall asleep with the television on.

1
Repeatedly press **SLEEP** to set the amount of time you want the TV to remain on. A display will appear in the corner of the screen.



◄ You can set the timer for one of the following lengths of time: 10, 20, 30, 60, 90, 120, 150, 180, 210, 240, 270, 300, 330, or 360 minutes.

2
To cancel the sleep timer, press **SLEEP** until the on-screen display reads "Off."

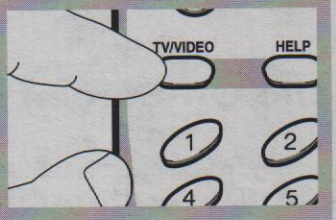


◄ You can also cancel the sleep timer by turning the TV off, then turning it on again.

Viewing a VCR or Camcorder Tape

When you connect a VCR or camcorder to your TV with the A/V jacks, you need to adjust your TV to view the VCR or camcorder tape. To do this:

1
Press **TV/VIDEO** when you wish to view a video tape, a video game, or any signal from equipment connected to the TV's A/V jacks.

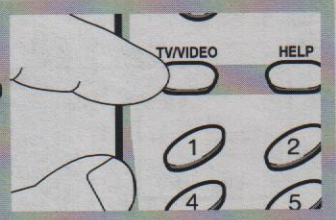


◄ If you do not have any equipment connected to the A/V jacks, the TV will display the message, "Connect the A/V jacks."

If you have equipment connected to both the front and the rear A/V jacks, the TV will only display the signal from the front A/V jacks.

If you have equipment connected to either the front jacks or the rear jacks (but not both the front and the back), the TV will automatically display the signal from the connected equipment.

2
To return to normal TV viewing, press **TV/VIDEO** again.



Chapter Four

SPECIAL FEATURES

This chapter explains how to use the on/off timer, the skip timer, the zoom feature, closed captions, and the demo mode.

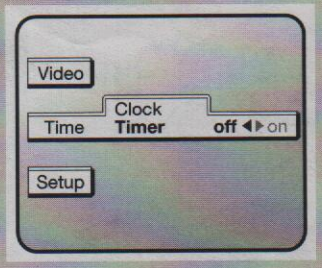
Setting the On/Off Timer

You can set the TV to automatically turn on or off at a specific time. To set the timer:

1

Press **MENU** repeatedly until you see the Time menu.

Press **CH ▼** to select "Timer."

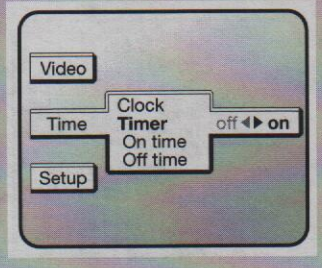


◄ Before using the timer, you must set the TV's clock.

2

Press **VOL+** to set the timer to "on."

The menu will expand and you will see "On time" and "Off time."

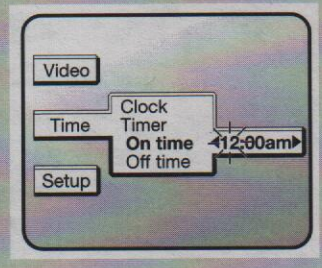


◄ When you later want to turn the timer off, press – VOL to set the timer to "off."

3

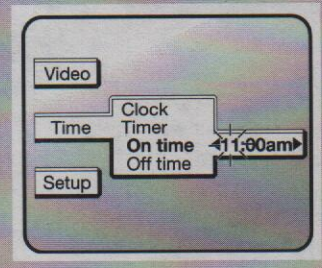
Press **CH ▼** to highlight "On time."

Press **VOL+**. The "On time" hour will blink.



4

Press **CH ▲** or **CH ▼** to select the hour when you want the TV to turn on.



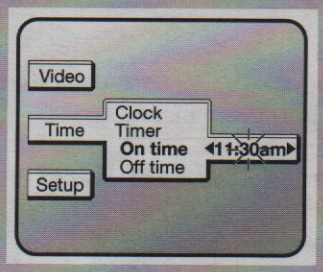
◄ Make sure the correct time of day (AM or PM) appears to the right of the minutes.

continued...

5

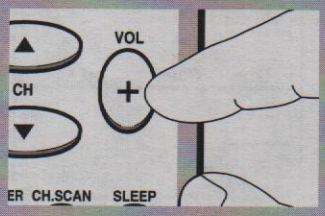
Press **VOL +**. The minutes will blink.

Press **CH ▲** or **CH ▼** to select the minutes when you want the TV to turn on.



6

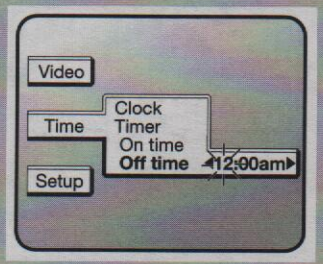
When you are finished, press **VOL +**.



7

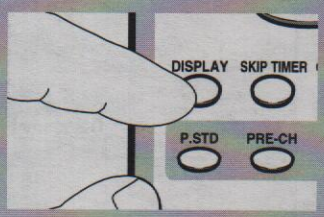
If you want to set the Off time, press **CH ▼** to highlight "Off time."

Set the "Off time" just as you set the "On time."



8

When you are finished setting the timer, press **DISPLAY**.

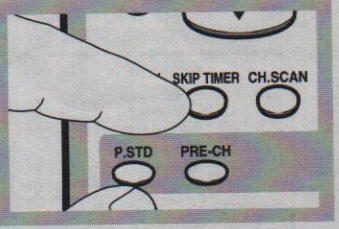


◄ When you later turn the TV off, the "Stand By & Timer" indicator on the front panel will light up in green.

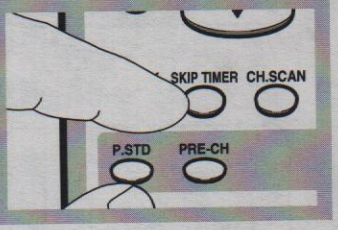
Using the Skip Timer

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 Skip Timer to "2 minutes," then switch channels. After 2 minutes, the TV will return to the original channel. To use the Skip Timer:

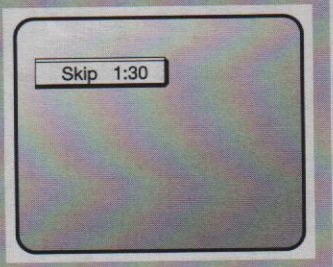
1
While you are watching the channel to which you want to return, press **SKIP TIMER**.



2
Press **SKIP TIMER** again to set the timer in thirty second intervals, up to five minutes.



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.



◄ The on-screen display will read "Skip off."

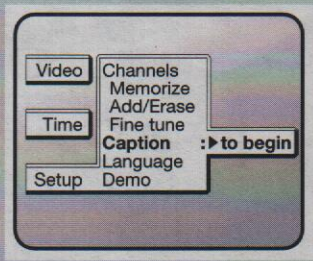
Viewing Closed Captions

Your TV decodes and displays the closed captions that are broadcast with some television shows. These captions are usually subtitles for the hearing impaired or translations into another language. 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.

1

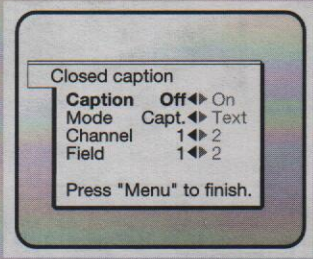
Press **MENU** repeatedly until you see the Setup menu.

Press **CH ▼** to select "Closed cap."



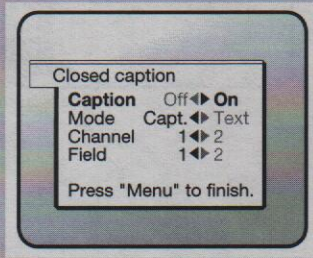
2

Press **VOL+** to open the Closed Caption menu.



3

Press **VOL +** to turn closed captioning on.

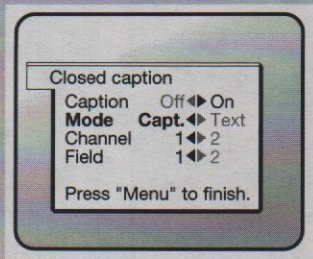


◄ Misspelling and unusual characters sometimes occur in closed caption transmissions, especially those of live events. There may be a small delay before captions appear when you change channels. These are not malfunctions of the TV.

4

Press **CH ▼** to highlight "Mode."

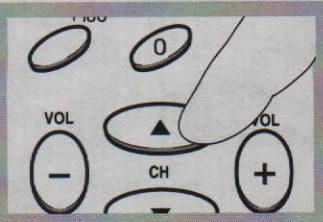
Press **– VOL** or **VOL +** to choose "Capt." (captions) or "Text."



◄ 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.

5
If you wish, use **CH ▲**, **CH ▼**, or **VOL +** to change the captioning channel or field. Then, press DISPLAY to return to normal viewing.



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

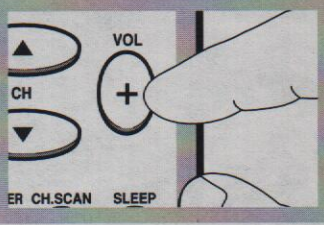
Setting the Demonstration Mode

The demonstration mode displays all of the on-screen menus and features. To see the demonstration:

1
Press **MENU** repeatedly until you see the Setup menu.

2
Press **CH ▼** to select "Demo."

3
Press **VOL +** to begin the demo.



◄ If you want to end the demonstration, follow steps 1 and 2, then press –VOL to stop the demonstration.

Chapter Five

Troubleshooting

Chapter Five

TROUBLESHOOTING

Before you call a repair person for your TV, please scan this list of possible problems and solutions. It may save you time and money.

Identifying Problems

Problem	Possible Solution
Poor picture or blue screen.	Try another channel. Adjust the antenna. Check all wire connections.
Poor sound quality.	Try another channel. Adjust the antenna.
No picture or sound.	Try another channel. Press the TV/VIDEO button Make sure the TV is plugged in. Check the antenna connections.
No color, wrong colors or tints.	Make sure the program is broadcast in color. Adjust the picture settings.
Picture rolls vertically.	Adjust the antenna. Check all wire connections.
The TV won't turn on.	**Check the wall outlet, and wait 5 seconds**

Getting Help

If you have a problem you can't solve by yourself, just call our toll-free help number and our experts will be glad to help you:

1-800-SAMSUNG

(1-800-726-7864)

Spanish Quick Reference Guide

Guía de consulta rápida

Visualización de pantallas y menús

Visualización en pantalla
POWER + DISPLAY

Fin de visualización en pantalla
DISPLAY

Visualización de menú video
POWER + MENU + MENU

Fin de menú video
DISPLAY

Visualización menú hora
POWER + MENU + MENU + MENU

Fin de menú hora
DISPLAY

Visualización menú ajuste
POWER + MENU + MENU + MENU + MENU

Fin de menú ajuste
DISPLAY

Uso de funciones básicas de menu

Cambio de ajustes de imagen
POWER + MENU + MENU + –VOL ó VOL+

Ajuste de reloj
POWER + MENU + MENU + MENU + VOL+ + CH▲ ó CH▼ (introducir hora) + VOL+ + CH▲ ó CH▼ (introducir minuto) + VOL+

Ajuste del temporizador
POWER + MENU + MENU + MENU + CH▼ + VOL+ + CH▼ + VOL+ + CH▲ ó CH▼ (introducir hora) + VOL+ + CH▲ ó CH▼ (introducir minuto) + VOL+ + CH▼ + VOL+ + CH▲ ó CH▼ (introducir hora) + VOL+ + CH▲ ó CH▼ (introducir minuto) + VOL+

Memorización canales
POWER + MENU + MENU + MENU + MENU + VOL+ + CH▲ ó CH▼ + VOL+

Añadir y suprimir canales
POWER + MENU + MENU + MENU + MENU + CH▼ + VOL+ + CH▲ ó CH▼ (introducir canale) + –VOL ó VOL+ (añadir o borrar)

Uso de afinación
POWER + MENU + MENU + MENU + MENU + CH▼ + CH▼ + VOL+ + –VOL ó VOL+

Uso de funciones especiales de menú

Visualización de capturas
POWER + MENU + MENU + MENU + MENU + CH▼ + CH▼ + CH▼ + VOL+ + –VOL ó VOL+ + CH▼ + –VOL ó VOL+ + CH▼ + –VOL ó VOL+ + CH▼ + –VOL ó VOL+

Selección de un idioma de menú
POWER + MENU + MENU + MENU + MENU + CH▼ + CH▼ + CH▼ + CH▼ + –VOL ó VOL+

Visualización modo demostración
POWER + MENU + MENU + MENU + MENU + CH▼ + CH▼ + CH▼ + CH▼ + CH▼ + VOL+

Uso de funciones control remoto

Ajuste del temporizador de dormir
POWER + SLEEP + SLEEP (repetidas veces)

Uso de ayuda
POWER + HELP

Cambio de canales
POWER + CH▲ y CH▼ ó 1-9 (para 1-99) ó +100 (para 100 o superior)

Cambio tamaño imagen
POWER + ZOOM (repetidas veces)

Ver VCR
POWER + TV/VIDEO

Uso del temporizador de salto
POWER + CH▲ ó CH▼ (introducir canale) + SKIP TIMER

Appendix

Cleaning and Maintaining Your TV

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

Placement

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

Liquids

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

Cabinet

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

Temperature

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

Using Your TV in Another Country

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

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Warranty Information

Limited Warranty

Samsung Electronics America,Inc. (hereafter referred to as SEA), warrants that this product is free from defective material and workmanship.

SEA further warrants that if this product fails to operate properly within the specified warranty period and the failure is due to improper workmanship or defective material, SEA will repair or replace the product at its option.

All warranty repairs must be performed by an SEA-authorized service center. The name and address of the location nearest you can be obtained by calling toll free:

1-800-SAMSUNG

Terms

- Labor —one (1) year (carry-in)
- Parts — one (1) year
- CRT — two (2) years

On carry-in models, transportation to and from the service center is the customer's responsibility.

The customer's original dated sales receipt is the only acceptable proof of purchase. It must be presented to the authorized service center at the time the service is requested.

Exclusions

This warranty does not cover damage due to accident, fire, flood and/or other acts of God; incorrect line voltage, improper installation, improper or unauthorized repairs, commercial use, or damage which occurs in shipping. Exterior and interior finish, lamps, glass, and temperature probes, if supplied, are not covered under this warranty. Customer adjustments which are explained in the instruction manual are not covered under the terms of this warranty, which is valid only on products purchased and used in the United States and Puerto Rico.

Some states do not allow the exclusion or limitation of incidental or consequential damages or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For more information, contact:

Samsung Consumer Affairs
Samsung Electronics America Inc.
One Samsung Place
Ledgewood, NJ 07852

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