



TXM1967
TXM1367
TXM1997

COLOR TELEVISION



Owner's
Instructions

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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/CSA 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 éviter les chocs électriques, 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. Certain Canadian programs may also be copyrighted and any unauthorized recording in whole or in part may be in violation of these rights.

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


As an ENERGY STAR Partner.

Samsung Electronics America, Inc. has determined that this product or product model meets the ENERGY STAR guidelines for energy efficiency.

Thank You for Choosing Samsung

Thank you for choosing Samsung! Your new Samsung TV receiver represents the latest in television technology. It has easy-to-use, on-screen menus and closed-captioning capabilities, making this TV one of the best products in its class. This product will provide convenient, dependable service and enjoyment for years to come.

Important Safety Information

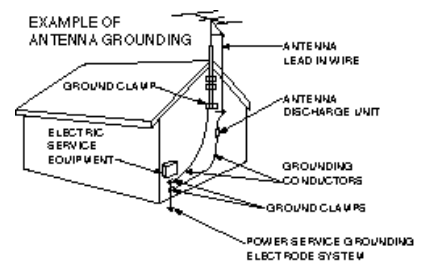
 To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your machine.

- 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 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 cause 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 injury to people and/or damage to the TV. Use only with a cart, stand, tripod, bracket, or table not 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 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 does not fit, contact your electrician to replace your outlet.



SAFETY 1

- Protect the power cord. Power supply cords should be routed so that they will not be walked on or pinched by items placed on or against them. Pay particular attention to cord placement at plugs, convenience receptacles, and at 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.
- 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. Avoid overhead power lines: When installing an outside antenna system, be extremely careful to keep from touching the power lines or circuits. Contact with such lines might 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 voltages or cause damage. 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. Read 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 TV
 - 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 degradation 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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference that may cause undesired operation.

This television receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a used, caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



DOUBLE INSULATED - When servicing use only identical replacement parts.

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Chapter One

YOUR NEW TV

List of Features

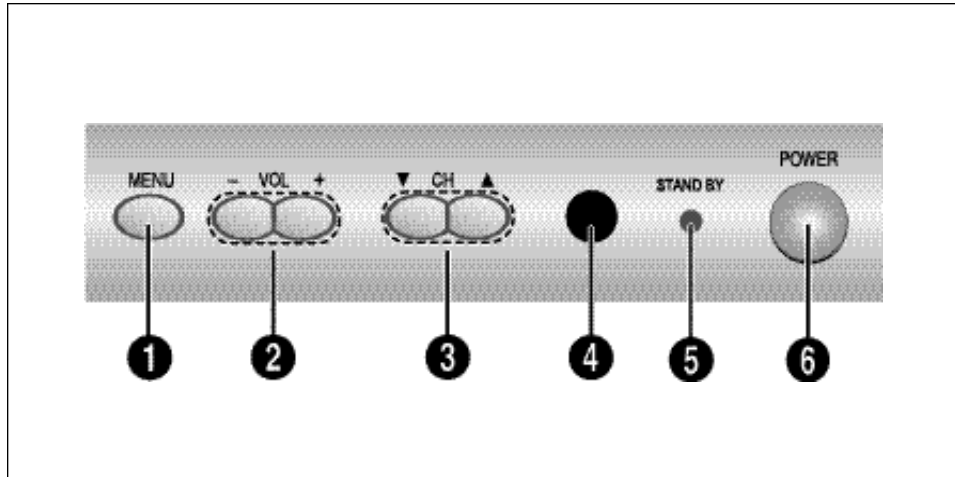
Your TV was designed with the latest technology. This TV is a high-performance unit that includes the following special features:

- Easy-to-use remote control
- Easy-to-use on-screen menu system
- Automatic timer to turn the TV on and off
- Adjustable picture setting that can be stored in the TV's memory
- Automatic channel tuning for up to 181 channels
- A special filter to reduce or eliminate reception problems
- Fine tuning control for the sharpest picture possible
- Tri-lingual on-screen displays (English, Spanish, and French)
- A special sleep timer

Familiarizing Yourself with The TV

Front Panel Buttons

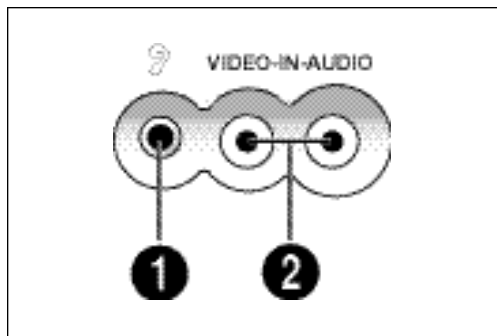
The buttons on the front panel control your TV's basic features, including the on-screen menu. To use the more advanced features, you must use the remote control.



- 1 MENU**
Press to see an on-screen menu of your TV's features.
- 2 VOL - , +**
Press to increase or decrease the volume. Also used to select items on the on-screen menu.
- 3 CH ▼ and CH ▲**
Press to change channels. Also press to select various items on the on-screen menu.
- 4 Remote Control Sensor**
Aim the remote control towards this spot on the TV.
- 5 STAND BY**
Lights up when you turn the power off.
- 6 POWER**
Press to turn the TV on and off.

Front Panel Jacks

You can use the front panel jacks to connect an A/V component that is used only occasionally, such as a camcorder or video game. (For information on connecting equipment, see pages 2.1 - 2.7.)



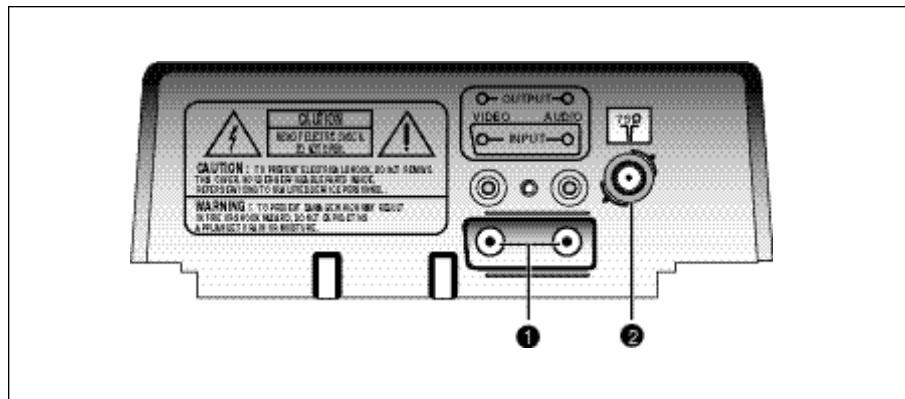
- 1 EARPHONE jack**
Connect a set of external ear-phones to this jack for private listening.
- 2 VIDEO and AUDIO input jacks**
Use these jacks to connect a camcorder or a video game.

YOUR NEW TV

Rear Panel Jacks

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

For more information on connecting equipment, see pages 2.1 – 2.7.



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

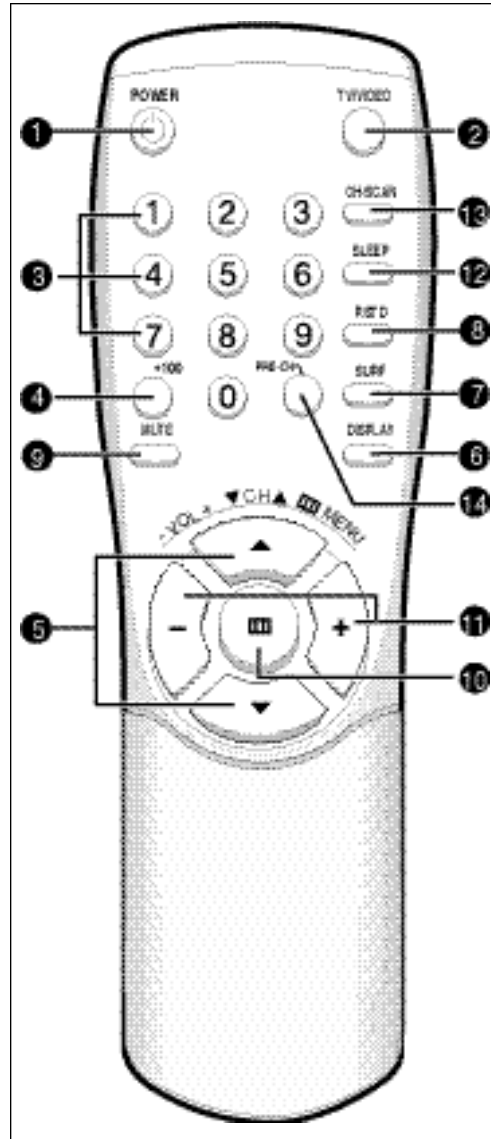
- ❷ **VHF/UHF Antenna terminal**
Use this terminal to connect an outdoor antenna or cable system.

YOUR NEW TV

Remote Control (Type 1)

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 on and off.
- 2 TV/VIDEO**
Press to watch TV picture and a picture from a connected component (VCR, LDP etc.).
- 3 Number buttons**
Press to directly select channels on the TV.
- 4 +100**
Press to directly select channels over 100. For example, to select channel 121, press +100, then press 2 and 1.
- 5 CH ▲ and CH ▼ (Channel)**
Press CH ▲ or CH ▼ to change channels. Also use with the on-screen menu system.
- 6 DISPLAY**
Press to see the time, channel, etc., on-screen. Also press to exit (quit) the menu system.
- 7 SURF**
Press when viewing a channel to automatically return to that channel after an amount of time that you set.
- 8 P-STD**
Press to adjust the TV picture by selecting one of the special factory settings or your own custom setting.
- 9 MUTE**
Press to mute (silence) the volume.



- 10 MENU**
Press this button to see the easy-to-use menu system.
- 11 VOL - and VOL + (Volume)**
Press VOL - to lower the volume; press VOL + to raise the volume. Also use with the menu system.
- 12 SLEEP**
Press for the TV to automatically turn off after an amount of time that you set.
- 13 CH.SCAN (Channel Scan)**
Press to have the TV automatically scan all of the channels it has memorized.
- 14 PRE-CH (Previous Channel)**
Press to see the last channel you were watching.

For models:
TXM1367 / TXM1967

YOUR NEW TV

Remote Control (Type 2)

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.

You can also use your remote control to operate most VCR's and cable boxes. See page 4.1 for details.

- 1 POWER**
Press to turn the TV on and off.

- 2 Number buttons**
Press to directly select channels on the TV.

- 3 SLEEP**
Press for the TV to automatically turn off after an amount of time that you set.

- 4 ADD**
Press to add channels or to add features while working with the on-screen menus.
✓The ADD button does not work for this TV set. (Function not used)

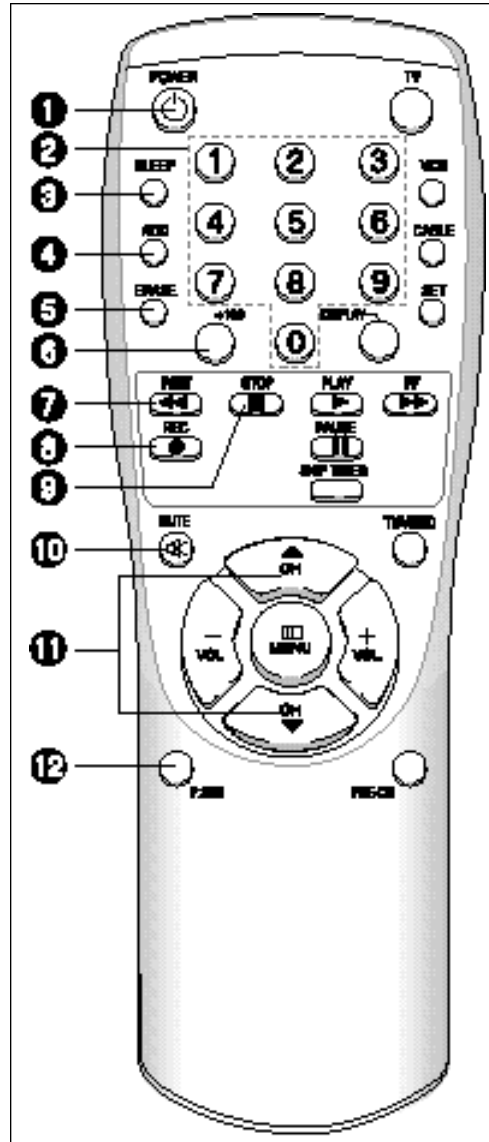
- 5 ERASE**
Press to erase channels or to cancel features while working with the on-screen menus.
✓The ERASE button does not work for this TV set. (Function not used)

- 6 +100**
Press to directly select channels over 100. For example, to select channel 121, press +100, then press 2 and 1.

- 7 REW(Rewind)**
Press to rewind a tape in your VCR.

- 8 REC**
Press to begin recording with your VCR.

- 9 STOP**
Press to stop a tape in your VCR.



- 10 MUTE**
Press to mute (silence) the volume.

- 11 CH ▲ and CH ▼ (Channel)**
Press CH ▲ or CH ▼ to change channels. Also use with the on-screen menu system.

- 12 P-STD**
Press to adjust the TV picture by selecting one of the special factory settings or your own custom setting.

For model: TXM1997

YOUR NEW TV

Remote Control (Type 2)

13 TV
Press to use your remote control to operate your TV.

14 VCR
Press to use your remote control to operate your VCR.

15 CABLE
Press to use your remote control to operate a cable box.

16 SET
Use this button when you are setting up your remote control to operate your VCR or cable box.

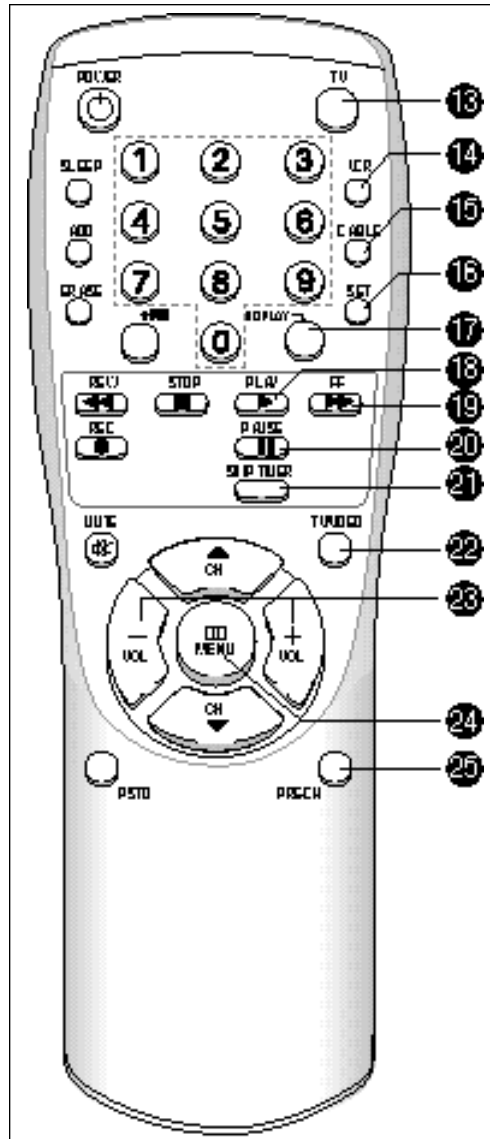
17 DISPLAY
Press to see the time, channel, etc., on-screen. Also press to exit (quit) the menu system.

18 PLAY
Press to play the tape in your VCR.

19 FF (Fast Forward)
Press to fast forward the tape in your VCR.

20 PAUSE
Press to pause your VCR's tape.

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



22 TV/VIDEO
Press to switch between a TV picture and a picture from a connected component (VCR, LDP etc.).

23 VOL - and VOL + (Volume)
Press **VOL -** to lower the volume; press **VOL +** to raise the volume. Also use with the menu system.

24 MENU
Press this button to see the easy-to-use menu system.

25 PRE-CH (Previous Channel)
Press to see the last channel you were watching.

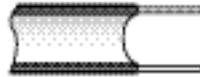
For model: TXM1997

Chapter Two

INSTALLATION

Connecting VHF and UHF Antennas

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



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



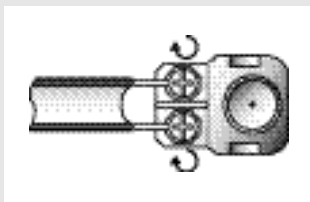
If you have two antennas, see "Separate VHF and UHF Antennas," on page 2.2.

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.

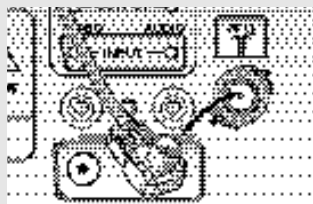
1

Place the wires from the twin leads under the screws on the 300-75 ohm adaptor (not supplied). Use a screwdriver to tighten the screws.



2

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

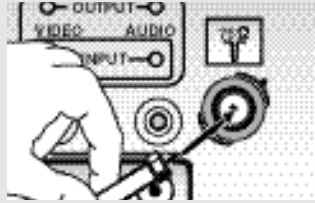


INSTALLATION

Antennas with 75-ohm Round Leads

1

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

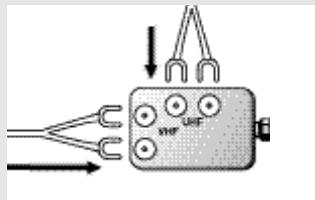


Separate VHF and UHF Antennas

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 an optional combiner-adaptor (available at most electronics shops).

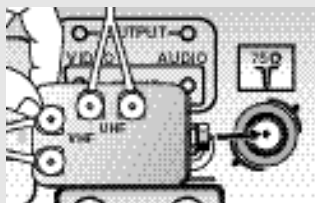
1

Connect both antenna leads to the combiner.



2

Plug the combiner into the VHF/UHF terminal on the bottom of the rear panel.



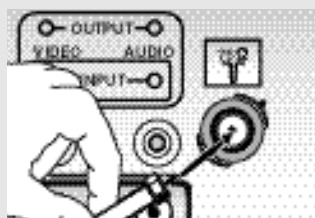
Connecting Cable TV

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

Cable without a Cable Box

1

Plug the incoming cable into the VHF/UHF antenna terminal on back of the TV.



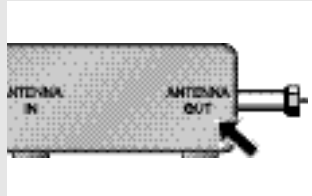
◀ Because this TV is cable-ready, you do not need a cable box to view unscrambled cable channels.

INSTALLATION

Connecting to a Cable Box that Descrambles All Channels

1

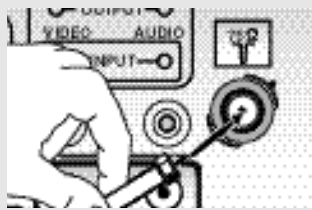
Find the cable that is connected to the ANTENNA OUT terminal on your cable box.



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

2

Connect the other end of this cable to the VHF/UHF antenna terminal on the back of the TV.

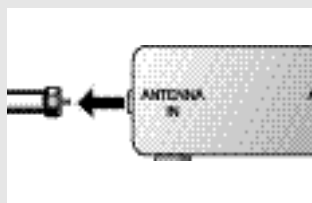


Connecting to a Cable Box that Descrambles Some Channels

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

1

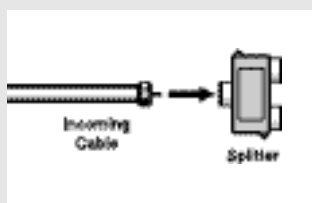
Find and disconnect the cable that is connected to the ANTENNA IN terminal on your cable box.



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

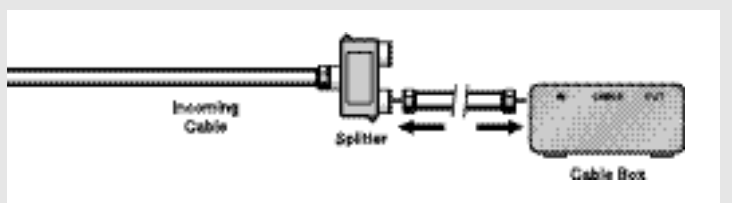
2

Connect this cable to a two-way splitter.



3

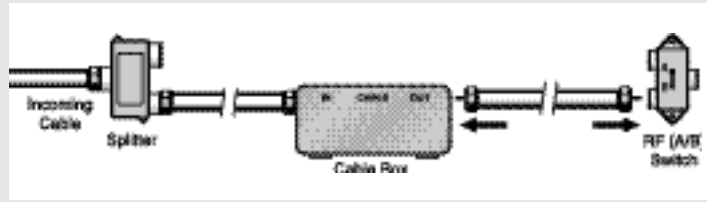
Connect a coaxial cable between an OUTPUT terminal on the splitter and the IN terminal on the cable box.



INSTALLATION

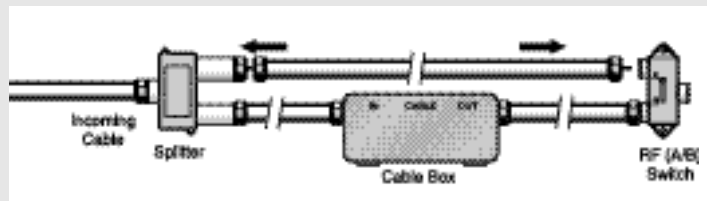
4

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



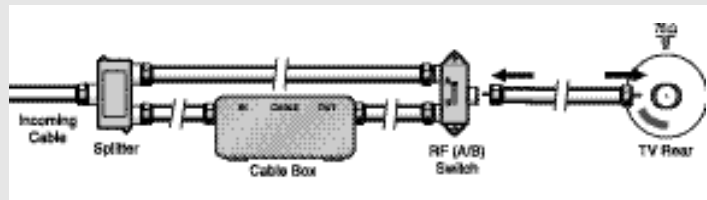
5

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



6

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



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

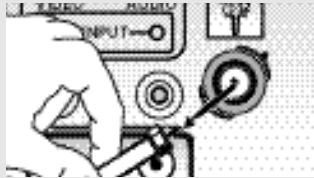
INSTALLATION

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 2.1-2.4). Skip step 1 if you have not yet connected to an antenna or a cable system.

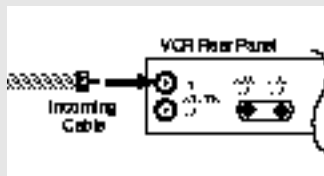
1

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



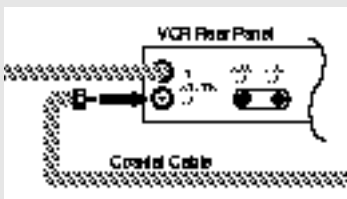
2

Connect the cable or antenna to the VCR's ANTENNA IN terminal.



3

Connect a coaxial cable to the VCR's ANTENNA OUT terminal.



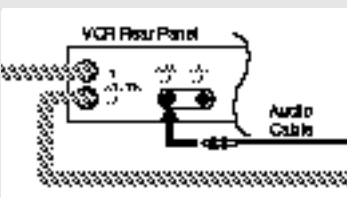
4

Connect the other end of the cable to the TV's antenna terminal.



5

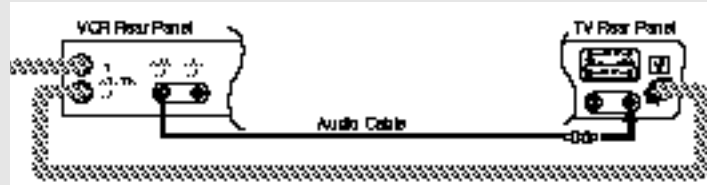
Connect an audio cable to the VCR's AUDIO OUT terminal.



INSTALLATION

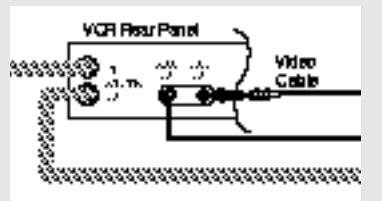
6

Connect the other end of the cable to the TV's AUDIO IN terminal.



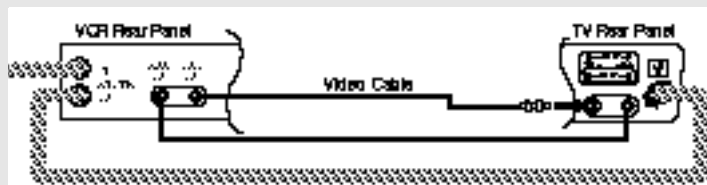
7

Connect a video cable to the VCR's VIDEO OUT terminal.



8

Connect the other end of the cable to the TV's VIDEO IN terminal.



INSTALLATION

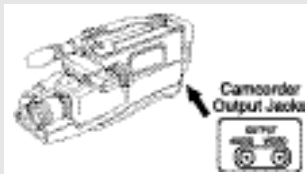
Connecting a Camcorder

You can connect a camcorder to your TV, which enables you to view camcorder tapes without a VCR.

The audio and video cables mentioned in the steps below are usually included with a camcorder. You can also purchase them at your local electronics store.

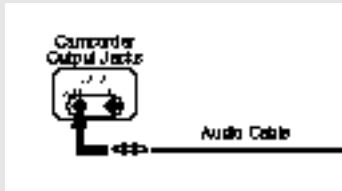
1

Locate the camcorder's A/V output jacks on the camcorder.



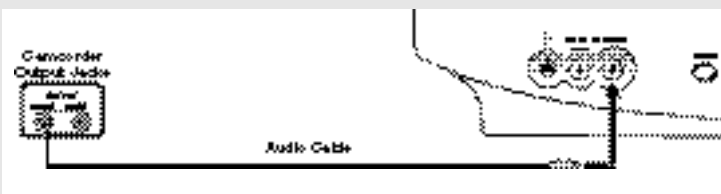
2

Connect an audio cable to the camcorder's AUDIO OUT terminal.



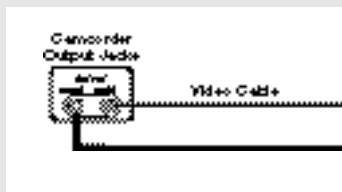
3

Connect the other end of the cable to the TV's AUDIO IN terminal.



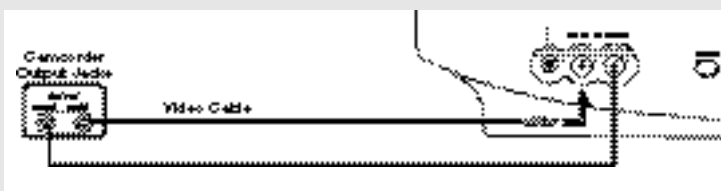
4

Connect a video cable to the camcorder's VIDEO OUT terminal.



5

Connect the other end of the cable to the TV's VIDEO IN terminal.

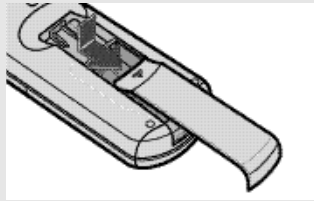


INSTALLATION

Installing Batteries in the Remote Control

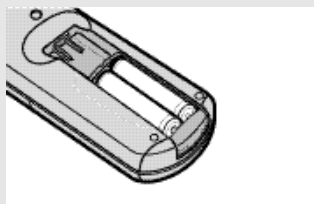
1

Slide the cover out completely.



2

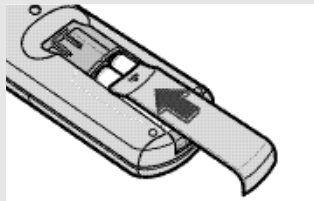
Install two AA size batteries.



◀ Make sure to match the “+” and “-” ends of the batteries with the diagram inside the compartment.

3

Replace the cover.



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

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

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

Chapter Three

OPERATION

Turning the TV On and Off

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

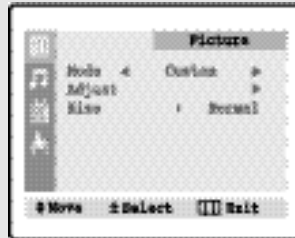
Viewing the Menus and On-Screen Displays

Viewing the Menus

1

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

The main menu appears on the screen. Its left side has four icons: Picture, Sound, Channel, and Function.



◀ The on-screen menus disappear from the screen after about thirty seconds.

2

Use the **CH▲** and **CH▼** buttons to highlight one of the 4 icons. Then press the **VOL+** button to access the icon's sub-menu. Press the **MENU** button to exit.

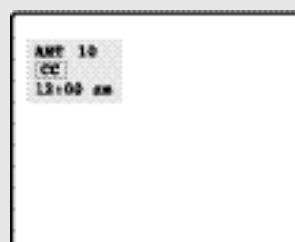
◀ You can also use the **MENU**, **CHANNEL**, and **VOLUME** buttons on the control panel of the TV to make selections.

Viewing the Display

1

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

The on-screen display will show the channel you are watching, and the time of day.



◀ The on-screen displays disappear after about twelve seconds.

When Closed Caption has been set, the icon (CC) will appear by pressing the Display button.

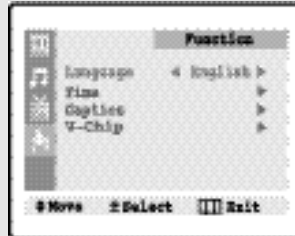
OPERATION

Selecting a Menu Language

1

Press **MENU** to display the menu.

Press **CH ▼** three times to select "Function", then press the **VOL +** button.



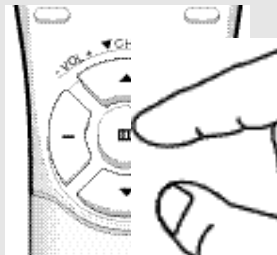
2

Press **VOL +** to select the appropriate language: English, Spanish, or French.



3

Press **MENU** twice to exit.



Memorizing the Channels

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

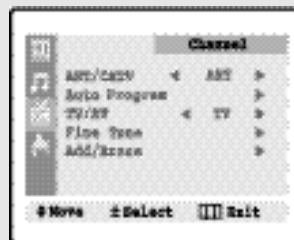
Selecting the Video Signal-source

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).

1

Press **MENU** to display the menu.

Press **CH ▼** two times to select “Channel”, then press the **VOL +** button.



2

Repeatedly press **VOL +** to cycle through these choices:
ANT (antenna)
STD, HRC or IRC (all cable TV).

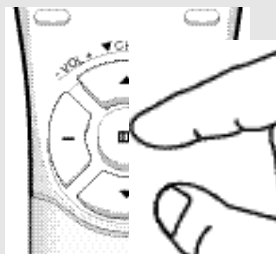


Note: STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area.

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

3

Press **MENU** twice to exit.



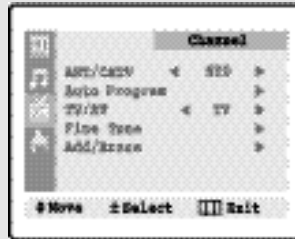
OPERATION

Storing Channels in Memory (Automatic Method)

1

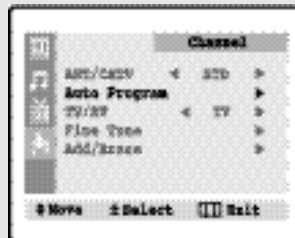
First, select the correct signal source (ANT, STD, HRC, IRC). See steps 1-3 on previous page.

Press the **MENU** button, then press the **CH ▼** button twice to select "Channel," then press the **VOL +** button.



2

Press the **CH ▼** button to select "Auto program".



3

Press the **VOL +** button. The TV will begin memorizing all of the available channels.

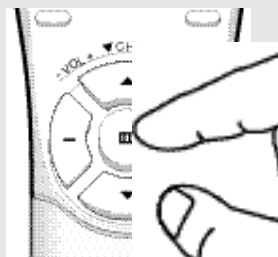


◀ The TV automatically cycles through all of the available channels and stores them in memory. This takes about one to two minutes.

Press the **MENU** button at any time to interrupt the memorization process and return to the Channel menu.

4

After all the available channels are stored, the Auto program menu reappears. Press the **MENU** button twice to exit.

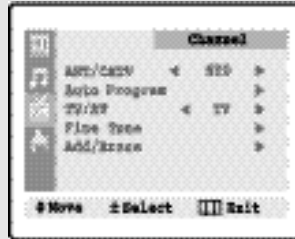


OPERATION

Adding and Erasing Channels (Manual Method)

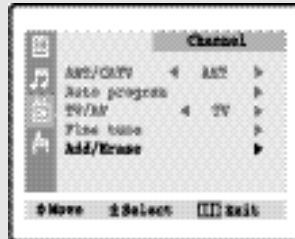
1

Press the **MENU** button.
Press the **CH ▼** button twice to select "Channel", then press the **VOL+** button.



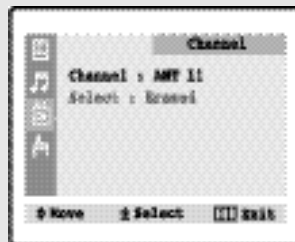
2

Press the **CH ▲** or **CH ▼** button to select "Add/Erase".
Press the **VOL+** button.



3

Press the **VOL-/+** or number buttons to select the channel you want to add or erase.

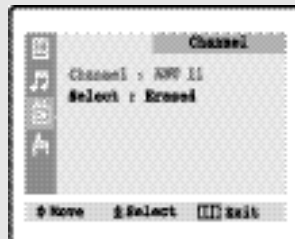


4

Press the **CH ▲** or **CH ▼** button to select "Select".

Press the **VOL+** or **VOL-** button to select "Added" or "Erased".

Press the **MENU** button three times to exit.



Changing Channels

Using the Channel Buttons

1

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

When you press **CH ▲** or **CH ▼**, the TV changes channels in sequence. You will see all the channels that the TV has memorized. (The TV must have memorized at least three channels.) You will not see channels that were either erased or not memorized.

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.

Adjusting the Volume

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

Using Mute

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

1

Press the **MUTE** button and the sound cuts off.
The word “Mute” will appear in the lower-left corner of the screen.

2

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

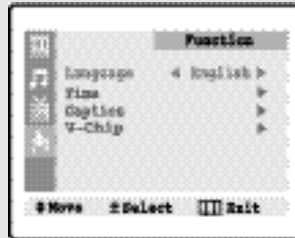
OPERATION

Setting the Clock

1

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

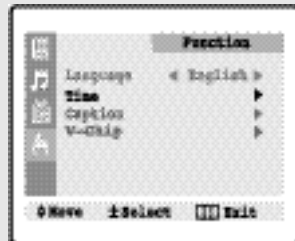
Press the **CH ▼** button three times to select "Function".
Press the **VOL +** button.



2

Press the **CH ▼** button to select the "Time" menu.

Press the **VOL +** button:
The Time menu will appear on the screen, and "Clock" will be selected.



3

Press the **VOL +** button again (the hours digits will be selected). Press the **CH ▲** or **CH ▼** button repeatedly until the correct hour appears.

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



4

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

After selecting the correct minutes, press the **VOL +** button.

Press the **MENU** button three times to exit.



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

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

◀ The time will appear every time you press DISPLAY.

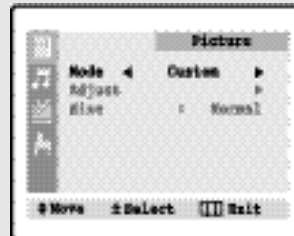
Customizing the Picture

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

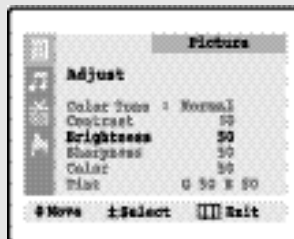
- 1**
Press the **MENU** button to display the menu.



- 2**
Press the **VOL -** or **VOL +** button repeatedly, until the word “Custom” is selected. (When Custom is highlighted, the word “Adjust” will appear on the screen.)



- 3**
Press the **CH ▼** button to select “Adjust”, then press the **VOL+** button. (The words Color Tone, Contrast, Brightness, Sharpness, Color, and Tint will appear on the screen.) Press the **CH ▲** or **CH ▼** button to select a particular item.



◀ Note: Sharpness and tint can't be adjusted in DVD mode.

- 4**
Press the **VOL -** or **VOL +** button to increase or decrease the value of a particular item.

Press the **MENU** button four times to exit.



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

Using Automatic Picture Settings

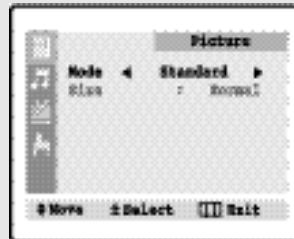
Your TV has three automatic picture settings (“Standard”, “Natural”, and “Mild”) that are preset at the factory. You can activate either Standard, Natural or Mild by making a selection from the menu. Or, you can select “Custom” which automatically recalls your personalized picture settings.

1

Press the **MENU** button to display the menu.

**2**

Press the **VOL -** or **VOL +** button to select the “Standard,” “Natural,” “Mild,” or “Custom” picture setting.



- Choose *Standard* for the standard factory settings.
- *Natural*: Optimal indoor screen condition.
- Choose *Mild* (“Mild Contrast”) when viewing the TV in low light, or when playing video games.
- Choose *Custom* if you want to adjust the settings according to personal preference (see “Customizing the Picture, page 3.8).

Auto Volume

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

1

Press the **MENU** button to display the menu.

Press the **CH ▼** button to select the "Sound" menu, then press the **VOL -** button.

**2**

Press the **VOL -** button to select "On/Off".
(Repeatedly pressing the **VOL -** or **VOL +** button will alternate between On and Off.)



OPERATION

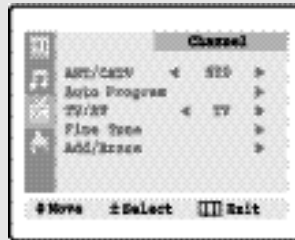
Viewing a VCR or Camcorder Tape

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

1

Press the **MENU** button to display the menu.

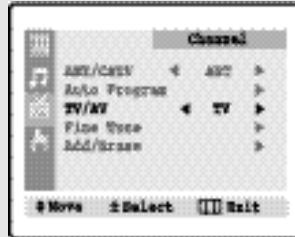
Press the **CH ▼** button twice to select "Channel", then press the **VOL+** button.



◀ Quick way to view the external signal: Simply press the **TV/VIDEO** button on the remote control.

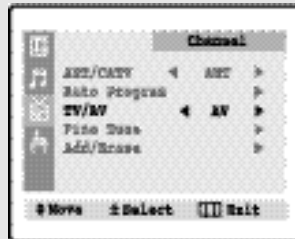
2

Press the **CH ▼** button twice to select "TV/AV".



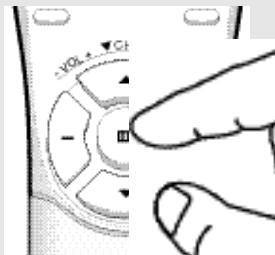
3

Press the **VOL+** or **VOL-** button. You will switch between viewing the signals coming from equipment connected to the TV's A/V jacks, and the TV signal.



4

Press the **MENU** button twice to exit.



Chapter Four

SPECIAL FEATURES

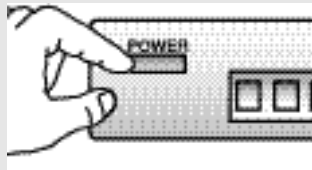
Customizing Your Remote Control

Your TV comes equipped with a “universal” remote control. In addition to controlling the TV, the universal remote can also operate a VCR and a cable box (even if your VCR and cable box are made by manufacturers other than TV).

Setting Up Your Remote Control to Operate Your VCR

1

Turn off your VCR.



2

On your TV remote control, press the **SET** button.

3

Press the **VCR** button on the top right of your remote control.

◀ The remote control has three “modes”: “TV,” “VCR”, and “Cable” Press the “VCR” button to switch the remote control to the “VCR” mode.

4

Enter both digits of the VCR code listed on the next page for your brand of VCR.

◀ Make sure you enter both digits of the code, even if the first digit is a “0.” If more than one code listed, try the first one.

5

Press the **POWER** button on the remote control. Your VCR should turn on. If your VCR turns on, your remote control is now set correctly.

◀ If your VCR does not turn on, repeat steps 2, 3, and 4, but try one of the other codes listed for the brand of your particular VCR. If no other codes are listed, try each code, 00 through 72.

6

Once your remote control is set up, press the **VCR** button any time you want to use the remote to operate your VCR.

◀ When your remote control is in the “VCR” mode, the volume buttons still control your TV’s volume.

When your remote is in the “TV” mode, the VCR control buttons (PLAY, PAUSE, etc.) will still operate your VCR.

SPECIAL FEATURES

VCR Codes

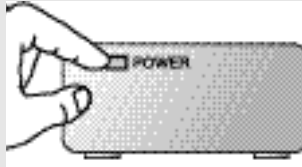
Aiwa	00	Mimorex	00, 09, 11	Sanyo	19, 20, 43
Akai	15, 22, 26, 30, 45, 66		13, 20, 21, 43	Scott	47, 53, 58, 60
Anam	71, 72	MGA	17, 30	Sears	09, 11, 16, 19
Broksonic	47, 53, 59	Minolta	16, 44		20, 27, 33, 43, 44
Capehart	05	Mitsubishi	30, 37, 52, 61, 66	Sharp	21, 31
Canon/ Curtis Mathes	09	Mitsubishi (Unified)	17	Shintom	36
Craig	20, 65, 67	MTC	00, 65	Sony	02, 06, 07, 08, 09
Daewoo	03, 05, 18, 39, 68, 70	Multitech	00, 36	STS	16
Daytron	05	NAD	28	Sylvania	09, 17, 46
Dynatech	00, 21	NBC	12, 14, 15, 23, 34	Symphonic	00
Emerson	00, 01, 10, 11, 30, 35	Optonica	21, 31	Tandy	00, 43
	40, 47, 53, 56, 57, 59, 60	Panasonic	09, 63	Tatung	15
Fisher	20, 27, 33, 43	Penney	09, 12, 14, 16, 65	Tesc	00, 15
Pinai	00	Pentax	16, 32, 44	Technics	09
GE	09, 29, 32	Phico	09	Teknika	00, 09, 11, 25
LG	04, 11, 12	Philips	09, 31, 38, 46	TMK	10
Harman/Kardon	12, 37	Pilot	11	Totevision	11, 65
Hitachi	00, 15, 16, 32, 44, 51, 64	Pioneer Unified	28, 34	Toshiba	17, 18, 33, 58, 60
JCL	09	Portland	05	Unitech	65
Jensen	15	Pulsar	13	Vector Research	12, 14
JVC	15, 34, 55	Quartz	19, 49	Victor	34
Kenwood	15, 19, 34	Quasar	09, 41	Video Concepts	14, 30, 62
Lloyd	00	RCA	09, 16, 32, 44, 48, 54	Videosonic	65
Logik	36	RCA (Unified)	29	Wards	00, 09, 16, 20, 21
LXI	11	Realistic	00, 09, 11, 19, 20		31, 36, 48, 60, 65
Magnavox	09, 38, 42, 46, 48		21, 31, 33, 43, 65	Yamaha	12, 15
Marantz	09, 12, 38, 50	Ricoh	08	Zenith	07, 08
Marta	11	Samsung	18, 24, 26, 65	Zenith (Unified)	13
MBI	09	Sansui	15, 34, 67		

SPECIAL FEATURES

Setting Up Your Remote Control to Operate Your Cable Box

1

Turn off your cable box.



2

On your TV remote control, press the **SET** button.

3

Press the **CABLE** button on the top right of your remote control.

◀ The remote control has three “modes”: “TV,” “VCR,” and “CABLE”.

Press the “CABLE” button to switch the remote control to the “Cable” mode.

4

Enter both digits of the cable box code listed below for your brand of cable box.

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

5

Press the **POWER** button. Your cable box should turn on. If your cable box turns on, your remote control is now “set up” correctly.

◀ If your cable box does not turn on, repeat steps 2, 3, and 4, but try one of the other codes listed for your particular brand of cable box. (If no other codes are listed, try each cable box code, 00 through 35.)

6

Once your remote control is set up, press the **CABLE** button any time you want to use the remote to operate your cable box.

◀ When your remote control is in the “CABLE” mode, the volume buttons still control your TV’s volume. Also, the VCR control buttons (PLAY, PAUSE, etc.) will still operate your VCR.

Cable Box Codes

ABC	0, 07, 09, 12	Paragon	00	Starcom	02, 11, 19, 23
Antronix	26	Pioneer	16, 25, 31	Stargate	11, 18
Archer	26	Pulsar	00	Tandy	29
Comtronics	18	RCA	15	TeleCaption	27
Eagle Comtronics	18	Realistic	26	Texscan	22
Eastern	01	Regal	14, 30, 32, 34	Tecom	08, 09, 21
Gemini	11	Regency	01	Toshiba	00
General Instruments	07	Samsung	18, 25	Unika	26
Hamlin	06, 14, 30, 32	Scientific Atlanta	03, 05, 12, 33	United Artists	04
Hitachi	07	Signal	18	United Cable	02
Jerrold	02, 07, 10, 11, 19, 23	Signature	07	Universal	26
Memorex	00	SL Marx	18	Viewstar	29
Oak	04, 13, 28	Sprucer	15, 35	Zenith	00, 20
Panasonic	15, 24				

Fine Tuning Channels

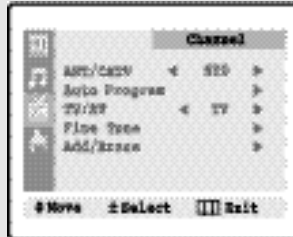
Use fine tuning to manually adjust a particular channel for optimal reception.

1

Select the appropriate channel.

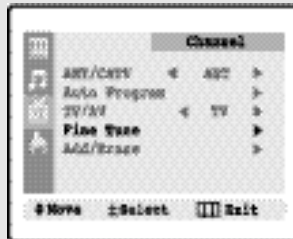
Press the **MENU** button to display the menu.

Press the **CH ▼** button twice to select the "Channel" menu, then press the **VOL+** button.



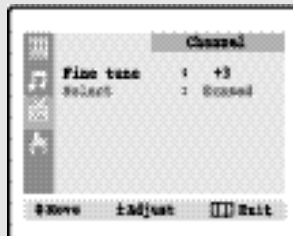
2

Press the **CH ▼** button three times to select "Fine tune", then press the **VOL+** button.



3

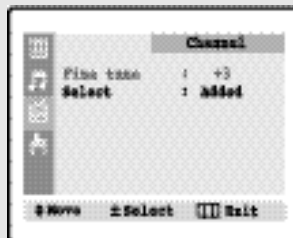
Press the **VOL+** and **VOL-** buttons to adjust the fine tuning.



4

To store the fine tuning setting in the TV's memory, press the **CH ▼** button to select "Select". Press the **VOL+** or **VOL-** button to select "Added".

To reset the fine tuning to "00", press the **VOL+** or **VOL-** button to select "Erased".



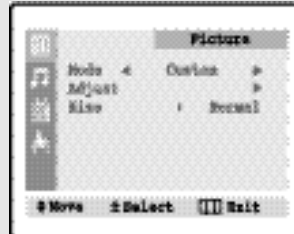
◀ Press the **MENU** button to resume normal viewing.

Changing the Screen Size

1

Press the **MENU** button to display the menu.

Press the **VOL +** button to select the "Picture" menu.



2

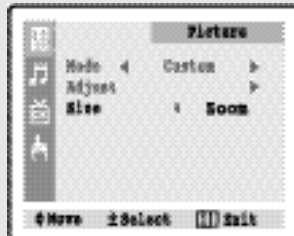
Press the **CH ▼** button twice to select "Size."



3

Press the **VOL +** or **VOL -** button repeatedly to select "Normal" or "Zoom".

Press the **MENU** button twice to exit.



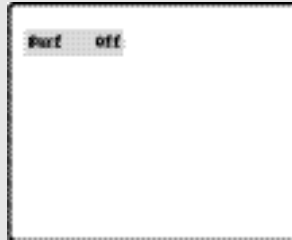
- **Normal** : Sets the picture to 4:3 normal mode. This is a standard TV screen size.
- **Zoom** : Magnifies the size of the picture on-screen.

Using the Surf Feature

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

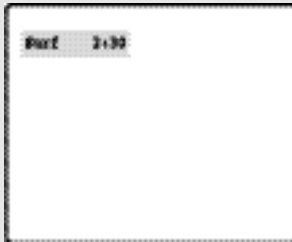
1

While you are watching the channel to which you want to return, press the **SURF** button. The on-screen display will read “Surf off”.



2

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



3

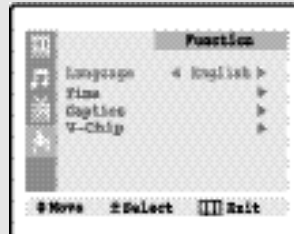
The time you set will begin counting down on the screen. When the time runs out, the TV will return to the channel you were watching when you set the timer.

Setting the On/Off Timer

1

Press the **MENU** button to display the menu.

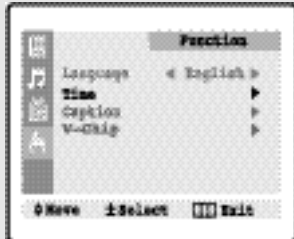
Press the **CH ▼** button three times to select "Function" menu, then press the **VOL+** button.



◀ Before using the timer, you must set the TV's clock. (See "Setting the Clock" on page 3.7).

2

Press the **CH ▼** button to select "Time", then press the **VOL+** button.



3

Press the **CH ▼** button to select "On time".

Press the **VOL+** button to select the "On time" hours. (The hours digits will be highlighted.)

Press the **CH ▲** or **CH ▼** button repeatedly to select the appropriate hours (i.e., the hour when the TV will turn on.)



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

4

Press **VOL+** to select the "On time" minutes. (The minutes digits will be highlighted.)

Press **CH ▲** or **CH ▼** to select the appropriate minutes.



SPECIAL FEATURES

5

Press the **VOL +** button to select "On/Off."

Press the **CH ▲** (or **CH ▼**) button to turn the on-timer "On." (Repeatedly pressing the **CH ▲** or **CH ▼** button will alternate between on and off.)



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

6

When finished, press the **VOL +** button.

7

To set the Off time, press the **CH ▼** button to select "Off time."

Press the **VOL +** button and set the hours and minutes. (Follow the same procedure as in steps 1-6 above.)



8

When finished setting the timer, press the **MENU** button three times to exit.

Setting the Sleep Timer

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

1


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

2

Press the **SLEEP** button repeatedly until the appropriate time interval appears (any of the preset values from "Off" to "180").

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

Viewing Closed Captions

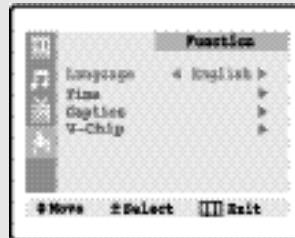
Your TV decodes and displays the closed captions that are broadcast with certain TV shows. These captions are usually subtitles for the hearing impaired or foreign-language translations. All VCRs record the closed caption signal from television programs, so home-recorded video tapes also provide closed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

1

Press the **MENU** button to display the menu.

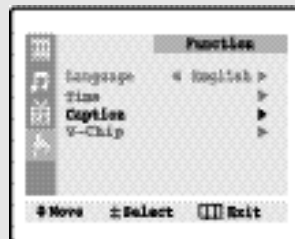
Press the **CH ▼** button three times to select the "Function" menu.

Press the **VOL+** button.



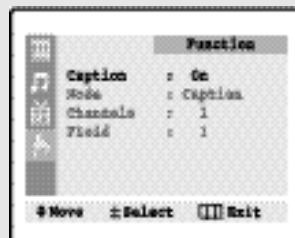
2

Press the **CH ▼** button twice to select the "Caption" menu, then press the **VOL+** button.



3

Press the **VOL+** or **VOL -** button to turn closed captioning on/off.



4

Press the **CH ▼** button to select "Mode."

Press the **VOL -** or **VOL +** button to select "Caption" or "Text."



5

Depending on the particular broadcast, it might be necessary to make changes to "Channels" and "Field": Use the **CH ▲**, **CH ▼**, **VOL +** and **VOL -** buttons to make the changes. (Follow the same procedure as in steps 3-4 above.) Press the **MENU** button three times to exit.

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

◀ 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.)

SPECIAL FEATURES

Using the V-Chip

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

Note : When the V-chip feature is active, channel-auto program features do not function.

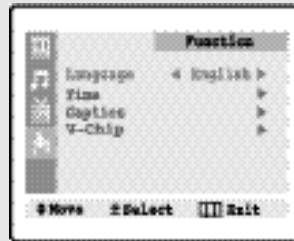
Setting Up Your Personal ID Number (PIN)

1

Press the **MENU** button to display the menu.

Press the **CH ▼** button three times to select the "Function" menu.

Press the **VOL+** button.

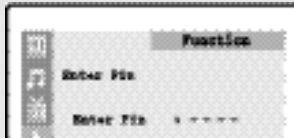


2

Press the **CH ▼** button three times to select the "V-chip" menu.

Press the **VOL+** button.

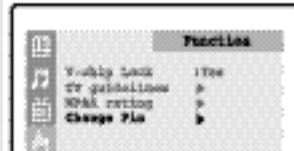
The "Enter pin" screen will appear. Enter your 4-digit PIN number. Note: The default PIN number for a new TV set is "0-0-0-0."



3

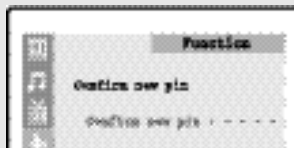
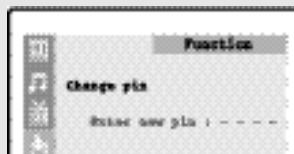
After entering a valid PIN number, the "V-chip" screen will appear.

Press the **CH ▼** button three times and highlight "Change pin."



4

While the "Change pin" field is selected, press the **VOL+** button. The Change pin screen will appear. Choose any 4-digits for your PIN and enter them.



As soon as the 4 digits are entered, the "Confirm new pin" screen appears. Re-enter the same 4 digits. When the Confirm screen disappears, your PIN has been memorized. Press the **MENU** button three times to exit.

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

POWER OFF → MUTE → 8 → 2 → 4 → POWER ON.

SPECIAL FEATURES

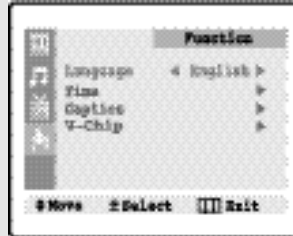
How to Enable/Disable the V-Chip

1

Press the **MENU** button to display the menu.

Press the **CH ▼** button three times to select the "Function" menu.

Press the **VOL+** button.

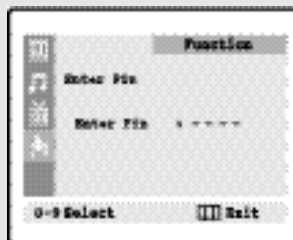


2

Press the **CH ▼** button three times to select the "V-chip" menu.

Press the **VOL+** button.

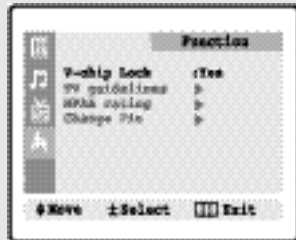
The "Enter pin" screen will appear. Enter your 4-digit PIN number.



3

The "V-Chip" screen will appear, and "V-Chip lock" will be selected (turns blue color).

To enable the V-Chip feature, press the **VOL+** button so that the "V-Chip lock" field is Yes. (Pressing **VOL+** will alternate between Yes and No.)



How to Set up Restrictions Using the "TV guidelines"

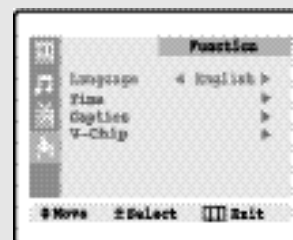
First, set up a personal identification number (PIN), and enable the V-Chip. (See previous section.) Parental restrictions can be set up using either of two methods: The TV guidelines or the MPAA rating.

1

Press the **MENU** button to display the menu.

Press the **CH ▼** button three times to select the "Function" menu.

Press the **VOL+** button.



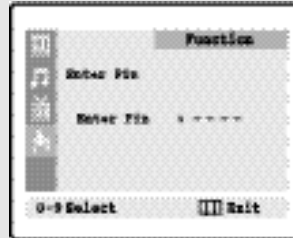
SPECIAL FEATURES

2

Press the **CH ▼** button three times to select the "V-chip" menu.

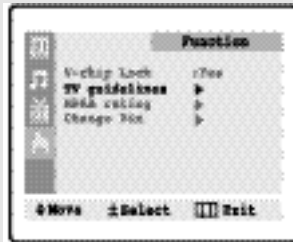
Press the **VOL+** button.

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



3

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

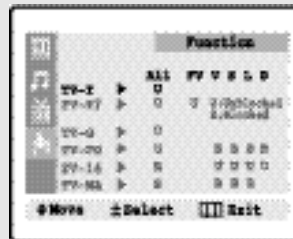


4

Press the **VOL +** button. The "TV guidelines" screen will appear. Press the **CH ▲**, **CH ▼** buttons to highlight one of the six age-based categories:

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

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



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

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

5

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

Press the **VOL +** button: Depending on your existing setup, a letter "U" or "B" will start blinking. (U= Unblocked, B= Blocked)

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

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

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

- FV: Fantasy violence
- D: Dialog
- L: Offensive language
- S: Sexual situation
- V: Violence

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

SPECIAL FEATURES

6

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

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

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

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

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

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

7

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

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

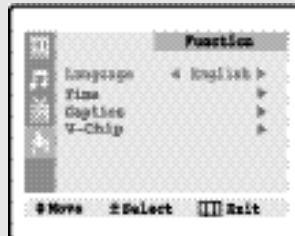
The MPAA rating system uses the Motion Picture Association of America (MPAA) system, and its main application is for movies. (Eventually, movie videocassettes will be encoded with MPAA ratings.) When the V-Chip lock is on, the TV will automatically block any programs that are coded with objectionable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

1

Press the **MENU** button to display the menu.

Press the **CH ▼** button three times to select the "Function" menu.

Press the **VOL+** button.

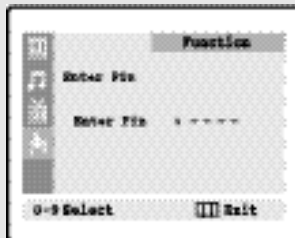


2

Press the **CH ▼** button three times to select the "V-chip" menu.

Press the **VOL+** button.

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



SPECIAL FEATURES

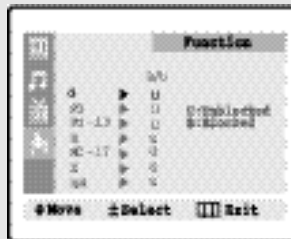
3

The "V-chip" screen will appear. Press the **CH ▼** button twice, and select "MPAA rating."



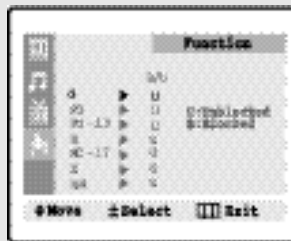
4

While "MPAA rating" is selected, press the **VOL +** button. The "MPAA rating" screen will appear.



5

Repeatedly press the **CH ▼** button to select a particular MPAA category. Pressing the **CH ▼** button will cycle through the MPAA categories:



G General audience (no restrictions).

PG Parental guidance suggested.

PG-13 PG-13 (Parents strongly cautioned).

R R (Restricted. Children under 17 should be accompanied by an adult).

NC-17 No children under age 17.

X X (Adults only).

NR Not rated.

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

Press **MENU** button five times to save the settings and to clear all screens.

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

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

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

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

Press the **MENU** button to display the menu. Press the **CH ▼** button three times to select the "Function" menu and press the **VOL +** button.

Press the **CH ▼** button three times to highlight the "V-chip" menu and press the **VOL +** button.

Enter your PIN number, and press the **VOL +** button to temporarily disable the V-Chip Lock.

Press the **MENU** button three times to exit.

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 Samsung authorized service center.

Identifying Problems

Problem	Possible Solution
Poor picture	Try another channel. Adjust the antenna. Check all wire connections.
Poor sound quality.	Try another channel. Adjust the antenna.
No picture or sound.	Try another channel. Press the TV/VIDEO button. Make sure the TV is plugged in. Check the antenna connections.
No color, wrong colors or tints.	Make sure the program is broadcast in color. Adjust the picture settings. If the set is moved or turned in a different direction, the power should be OFF for at least 30 minutes.
Picture rolls vertically.	Adjust the antenna. Check all wire connections.
The TV operates erratically	Unplug the TV for 30 seconds, then try operating it again.
The TV won't turn on.	Make sure the wall outlet is working.

Cleaning and Maintaining Your TV

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

Placement

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

Liquids

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

Cabinet

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

Temperature

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

Using Your TV in Another Country

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

Specifications

Model	TXM1367 / TXM1967 / TXM1997
Voltage	AC 120V
Frequency of Operation	60Hz

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