

**Direct View
Color TV**

**Operating Guide
& Warranty**

**for Models
SY1324S
and
SY1324X**


ZENITH

THE QUALITY GOES IN BEFORE THE NAME GOES ON[®]

**Return the
Product
Registration
Card and your
TV could be
FREE!**


**¡Aviso para nuestros
clientes de habla hispana:
consulte la información que
aparece al final de este manual!**

SAFETY WARNINGS




WARNING


**RISK OF ELECTRIC SHOCK
DO NOT OPEN**



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

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

 The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

 The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

SAFETY TIPS

Refer to the "Important Safety Instructions" section of this operating guide for important safety considerations.

NOTE TO CABLE TV SYSTEM INSTALLER

This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the NEC 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 the cable entry as practical.

POWER-CORD POLARIZATION

This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other.) This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

Caution

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Attention

Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

IMPORTANT SAFETY INSTRUCTIONS

Your product has been manufactured and tested with your safety in mind. However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into your new product, please read and observe the following safety points when installing and using your new product, and save them for future reference.

Observing the simple precautions discussed in this section of the operating guide can help you get many years of enjoyment and safe operation that are built into your new product.

1. Read Instructions

All the safety and operating instructions should be read before the product is operated.

2. Follow Instructions

All operating and use instructions should be followed.

3. Retain Instructions

The safety and operating instructions should be retained for future reference.

4. Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Water and Moisture

Do not use this product near water — for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

7. Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

8. Transporting Product

A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.



PORTABLE CART WARNING

9. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

10. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

12. Line-Cord Polarization

This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13. Power-Cord Protection

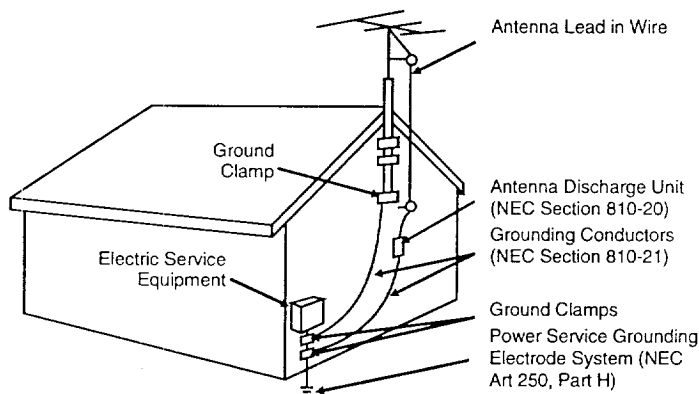
Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

IMPORTANT SAFETY INSTRUCTIONS

14. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code (U.S.A.), ANSI/NFPA 70 provides information with regard 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.

EXAMPLE OF GROUNDING ACCORDING TO NATIONAL ELECTRICAL CODE INSTRUCTIONS



NEC - NATIONAL ELECTRICAL CODE

15. Lightning

For added protection for this product (receiver) during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

16. Power Lines

An outside antenna system should not be located 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, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. Overloading

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

18. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- If the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or the cabinet has been damaged.
- If the product exhibits a distinct change in performance.

21. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23. Wall or Ceiling Mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

24. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

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Features Provided with Your TV

<ul style="list-style-type: none"> • Auto Program • SC3492/SC3493 Remote (Some TVs) • 24 Hour Clock • Sleep Timer • On/Off Timer with Multiple Settings • Channel Add/Delete for Favorite Channel Scanning 	<ul style="list-style-type: none"> • English, French, Spanish On-Screen Menus Option • Closed Captions • On-Screen Picture Adjustments • On-Screen Status Display • Previous Channel Flashback
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(Design and specifications are subject to change without prior notification.)

INTRODUCTION

WELCOME

Welcome into the family of Zenith Color Television owners. This guide provides instructions on how to operate your new TV. In addition, we strongly advise you to read and observe the precautions listed in the "Important Safety Instructions" section of this operating guide. Read this publication carefully so that you will receive full enjoyment from your new Zenith TV for many years to come.

Your new TV has been designed and built to give you the very best in quality, features and performance. There are many regional Zenith authorized service centers throughout the U.S., Canada and Mexico who can attend promptly and effectively to ordinary service needs.

If you should have an unusual performance or service problem that cannot be satisfactorily resolved by your Zenith authorized service center, call or write:

Zenith Electronics Corporation

Customer Service Department

1000 Milwaukee Avenue

Glenview, IL 60025-2493

Telephone: (847) 391-8752

Mon-Fri, 8:00 a.m. - 4:30 p.m. Central Time

Send the model number, serial number, and date of purchase or original installation, with a full explanation of the problem and the service history. We will welcome the opportunity to look into your specific question or problem and to be of assistance in resolving it promptly.

The model and serial numbers of your new TV are located on the back of the TV cabinet. For your future convenience and protection, we suggest that you record these numbers here:

Model No. _____

Serial No. _____

INSTALLATION CONSIDERATIONS

Before you install your TV...



Ventilation — Proper ventilation keeps your TV running cool. Air circulates through perforations in the back and bottom of the cabinet. Do not block these vents or you will shorten the life of your TV.



Power Source — Your TV is designed to operate on normal household current, 120 volt 60 Hertz AC. Do not attempt to operate it on DC current.



Power Cord — Your power cord has a polarized plug as required by Underwriters' Laboratories. It has one regular blade and one wide blade and fits only one way into a standard electrical outlet. If the blades will not enter either way, your outlet is very old and non-standard. A new outlet should be installed by a qualified electrician.



Safe Operation — Your TV is manufactured and tested with your safety in mind. However, unusual stress caused by dropping or mishandling, exposure to flood, fire, rain or moisture, or accidental spilling of liquids into the TV, can result in potential electrical shock or fire hazards. If this happens, have your TV checked by a service technician before using it again.

Please read and observe each safety point in the "Important Safety Instructions" section when installing and using your TV.

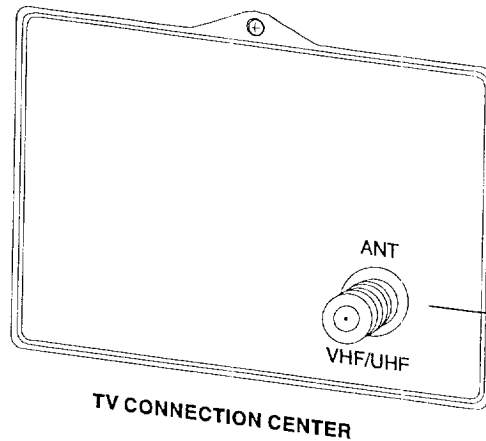
VIDEO GAMES AND OTHER FIXED

PATTERN DISPLAY CAUTION — If you use your TV for video games or other fixed displays, avoid setting the BRIGHTNESS control for an excessively bright picture. A fixed display is any image which does not change frequently, such as a channel/network identification or other symbol that remains in the same location for long periods of time. A bright, fixed pattern, if left on for long periods of time, can result in a permanent imprint on the TV picture tube. You can reduce this possibility by alternating the use of the fixed pattern display with normal TV picture viewing, by turning down the CONTRAST control for sustained fixed pattern use, and by turning off the fixed pattern display when not in use.

PLUGGING IN YOUR TV — Be sure to plug your TV into an "unswitched" AC power source. The "switched" AC outlets found on some video equipment will not continue supplying power to the TV once the equipment is turned off. If the power to the TV is interrupted, you will have to reset the clock in the TV to the current time.

STANDARD CONNECTIONS FOR YOUR TV

CONNECTION CENTER



ANTENNA/CABLE

75-ohm antenna or cable-TV connection to your TV. Attach your antenna, cable-TV line or VCR to this jack.

CONNECTION OPTIONS

Your TV may be connected in many different ways. The following illustrations show the most common, and recommended connections for your new TV.

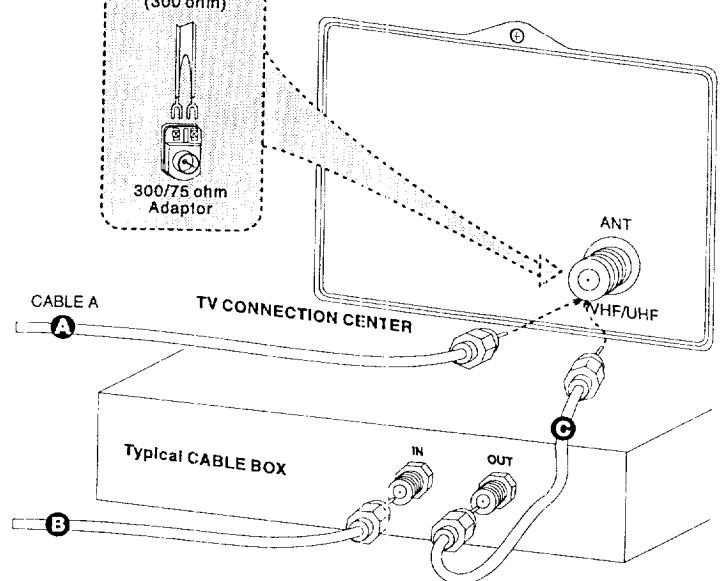
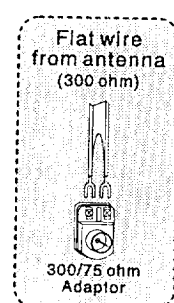
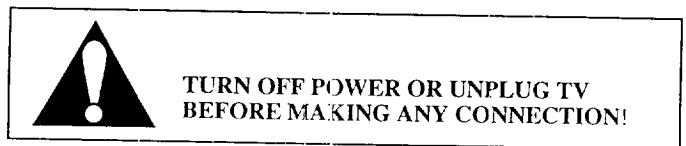
SETUP 1: TV ONLY

If you receive your television signal by antenna or basic cable-TV (no cable box), connect your television as follows:

Cable	Leading from...	Connects to...
A	Wall Jack-75-ohm (round) cable from Antenna or cable service.	TV-"ANTENNA/CABLE" (In) jack.
B & C	Not required.	

NOTE:

- If your antenna has a flat (300-ohm) wire leading from it, you will have to attach this wire to a 300-75 ohm adaptor before the antenna can be connected to the TV.



SETUP 2: TV AND CABLE BOX

If you receive your television signal from a cable box, connect your television as follows:

Cable	Leading from...	Connects to...
A	Not required.	
B	Wall Jack-75-ohm (round) cable from Cable service.	Cable Box-"In" jack.
C	Cable Box-"Out" (75-ohm cable).	TV-"ANTENNA/CABLE" (In) jack.

SETUP 1 and SETUP 2

STANDARD CONNECTIONS FOR YOUR TV

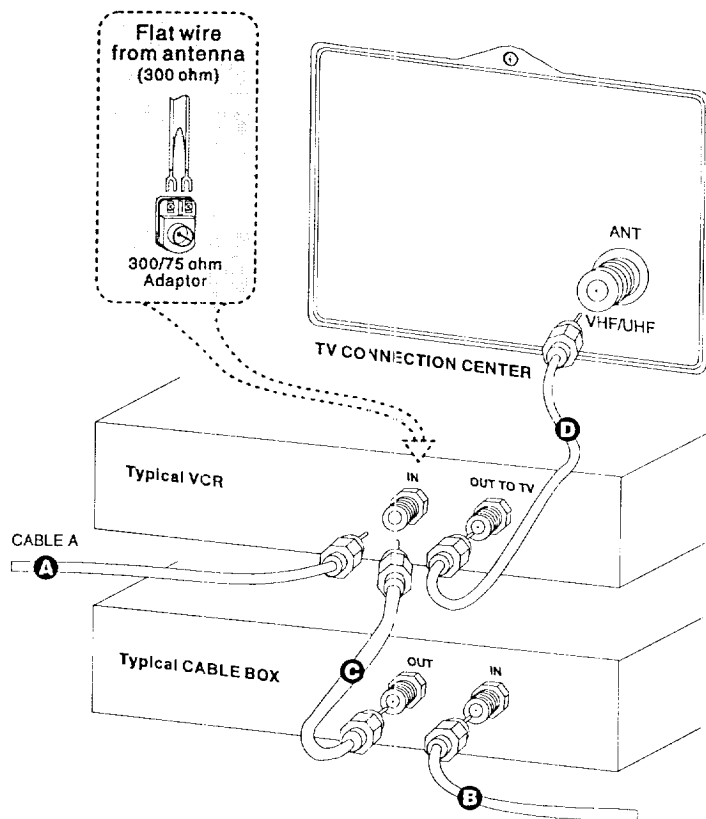
SETUP 3: TV AND VCR

If you receive your television signal through your VCR, connect your television as follows:

Cable	Leading from...	Connects to...
A	Wall Jack- 75-ohm cable from Antenna or cable service.	VCR- "In" jack.
B & C	Not required.	
D	VCR- "Out to TV" jack (75-ohm cable).	TV- "ANTENNA/CABLE" (In) jack.

NOTE:

- If your antenna has a flat (300-ohm) wire leading from it, you will have to attach this wire to a 300-75 ohm adapter before the antenna can be connected to the VCR.



SETUP 3 and SETUP 4

SETUP 4: TV WITH VCR AND CABLE BOX

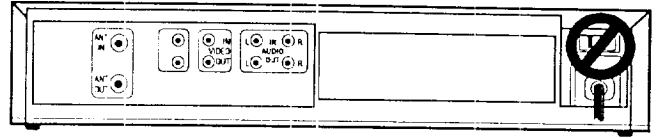
If you receive your television signal through your VCR, connect your television as follows:

Cable	Leading from...	Connects to...
A	Not required.	
B	Wall Jack- 75-ohm cable from cable service.	Cable Box- "In" jack.
C	Cable Box- "Out" (75-ohm cable).	VCR- "Ant In" jack.
D	VCR- "Out to TV" (75-ohm cable).	TV- "ANTENNA/CABLE" (In) jack.

WHAT YOU SHOULD DO FIRST

① CONNECT THE POWER

AFTER you have connected the necessary cable(s) to the jack on the TV Connection Center, plug the TV's power cord into an AC outlet. Make sure you **do not** plug the TV into a "switched" outlet (an outlet that is controlled by a switch).



Do not plug TV into switched outlet on a VCR or cable-TV decoder

② INSTALL THE BATTERIES INTO THE REMOTE CONTROL

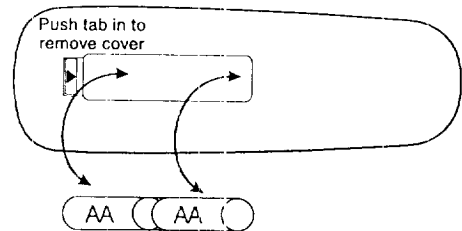
Batteries are provided for the remote, but they must be installed before it can be used.

To install the batteries

1. Open the battery compartment by sliding the cover toward the end of the remote.
2. Place the batteries in the remote as shown in the battery compartment.
3. Replace the compartment cover.

Notes:

- Do not place heavy objects on top of the remote control keys. Prolonged unintentional operation of the remote shortens battery life.
- Remove the batteries if the remote control will not be used for a month or more. **THE REMOTE CONTROL MANUFACTURER IS NOT RESPONSIBLE FOR DAMAGE CAUSED BY BATTERY LEAKAGE.**



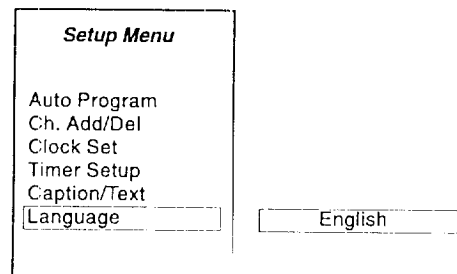
Typical Remote Control Battery Compartment
(Uses 2 size AA batteries)

③ SELECT YOUR LANGUAGE

Your TV has on-screen menus which can appear in one of three languages; English, Spanish or French. Select the language that you would be most comfortable with.

To select a LANGUAGE

1. Press MENU repeatedly to view the Setup Menu.
2. Use SELECT (Up/Down) arrow to select **Language**.
3. Use ADJ (Left/Right) arrow to choose a language.
4. Press ENTER to remove the menu from view.



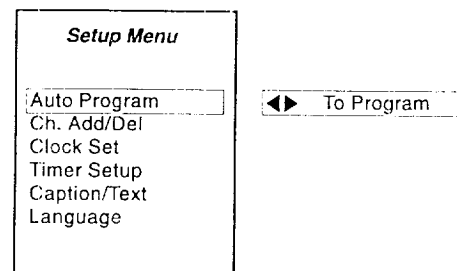
Setup Menu with Language Highlighted

④ USE AUTO PROGRAM

The first time your TV is turned on, **Auto Program** will be selected in the Setup Menu. Auto Program finds all available channels and stores them in the memory of the TV.

To start AUTO PROGRAM

1. Press MENU repeatedly to view the Setup Menu.
2. Use SELECT (Up/Down) arrow to select **Auto Program**.
3. Use the ADJ (Left/Right) arrow to move to the next menu.
4. Use SELECT (Up/Down) arrow to choose either OFF AIR ANTENNA or CABLE TV.
5. Use ADJ (Left/Right) arrow to begin the channel search.



Setup Menu with Auto Program Highlighted

WHAT YOU SHOULD DO FIRST

⑤ SET THE CLOCK

To set the clock

1. Press MENU repeatedly to view the Setup Menu.
2. Use Select (Up/Down) arrow to select **Clock Set**.
3. Use the numbered keys on your remote control to enter the correct time and press the TIMER key to select A.M. or P.M. (You can also use ADJ (Left/Right) arrow to change the 24 hour clock to the correct time.)
4. Press ENTER to start the clock

Setup Menu

Auto Program
Ch. Add/Del
Clock Set
Timer Setup
Caption/Text
Language

10:30 AM ← TIMER

Setup Menu with Clock Set Highlighted

⑥ USE OTHER MENU OPTIONS

You may want to use the following options:

- Create your own personal list of favorite channels for use with the channel Up/Down keys. Refer to the **Ch. Add/Del** option for details.
- Adjust options in the *Video Menu*.

GET TO KNOW THE TV'S CONTROL PANEL

CONTROL PANEL FUNCTIONS

The control panel shown here may be slightly different from the one on your TV, but the operation of the controls are the same. All the TV's features can be accessed from the control panel.

ENTER

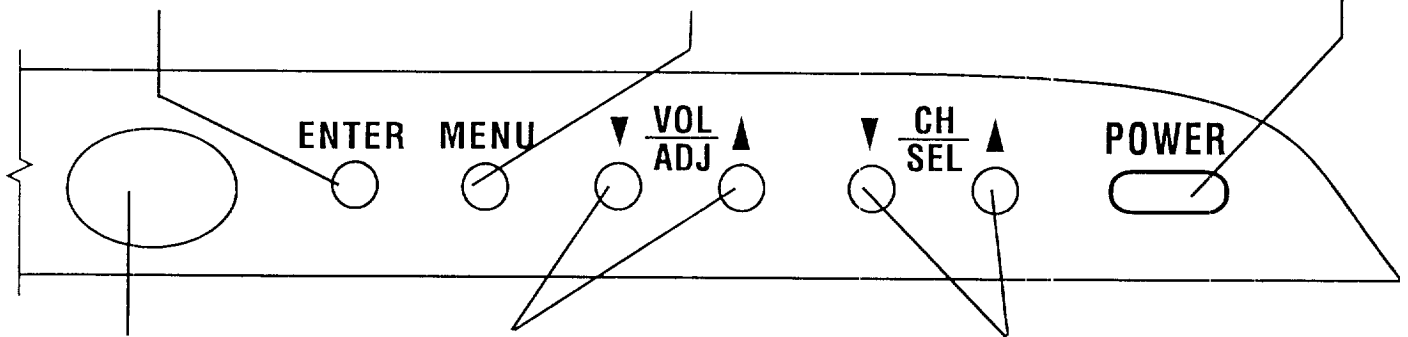
Press to see the on-screen Channel/Time display or to exit any on-screen display.

MENU

Press to switch between the Setup Menu or Video Menu.

POWER

Press to turn TV power On or Off.



Remote Window

Point the remote control at this window to operate the TV.

VOL (Volume) Down/Up

Press to change the sound level.

Also provides ADJ (Adjust) function, same as on remote control.

Use during on-screen menu operation to see information/status display for selected option, and to adjust the selected menu option.

CH (Channel) Down/Up

Press to choose the next lower or higher channel than the current channel. As a channel is selected its number is displayed on-screen.

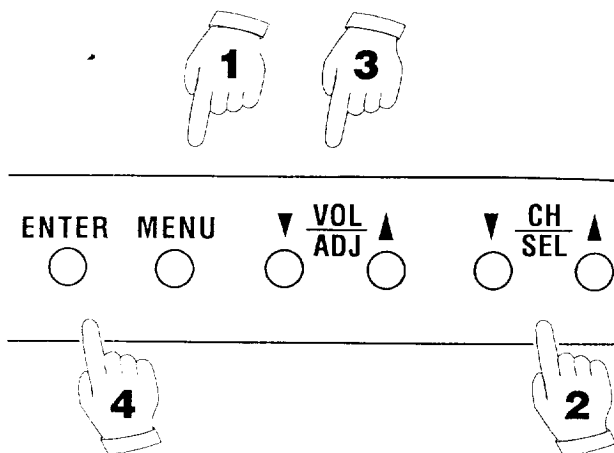
Also provides SEL (Select) Down and Up function, same as on remote control.

Use during on-screen menu operations to choose a menu option.

BASIC MENU OPERATION USING THE CONTROL PANEL

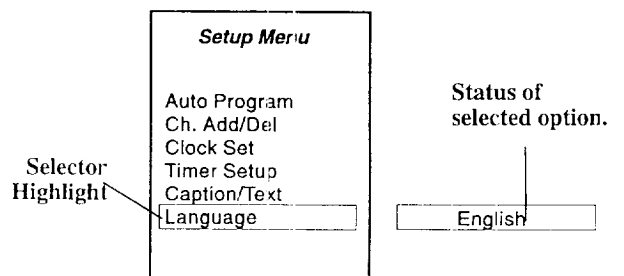
Press MENU repeatedly to choose between available menus.

Press ADJUST to adjust or change the status of the selected menu option.



Press ENTER to remove menus from view or wait a few seconds and the menu will disappear by itself.

Press SELECT repeatedly to highlight the menu option you want to select.

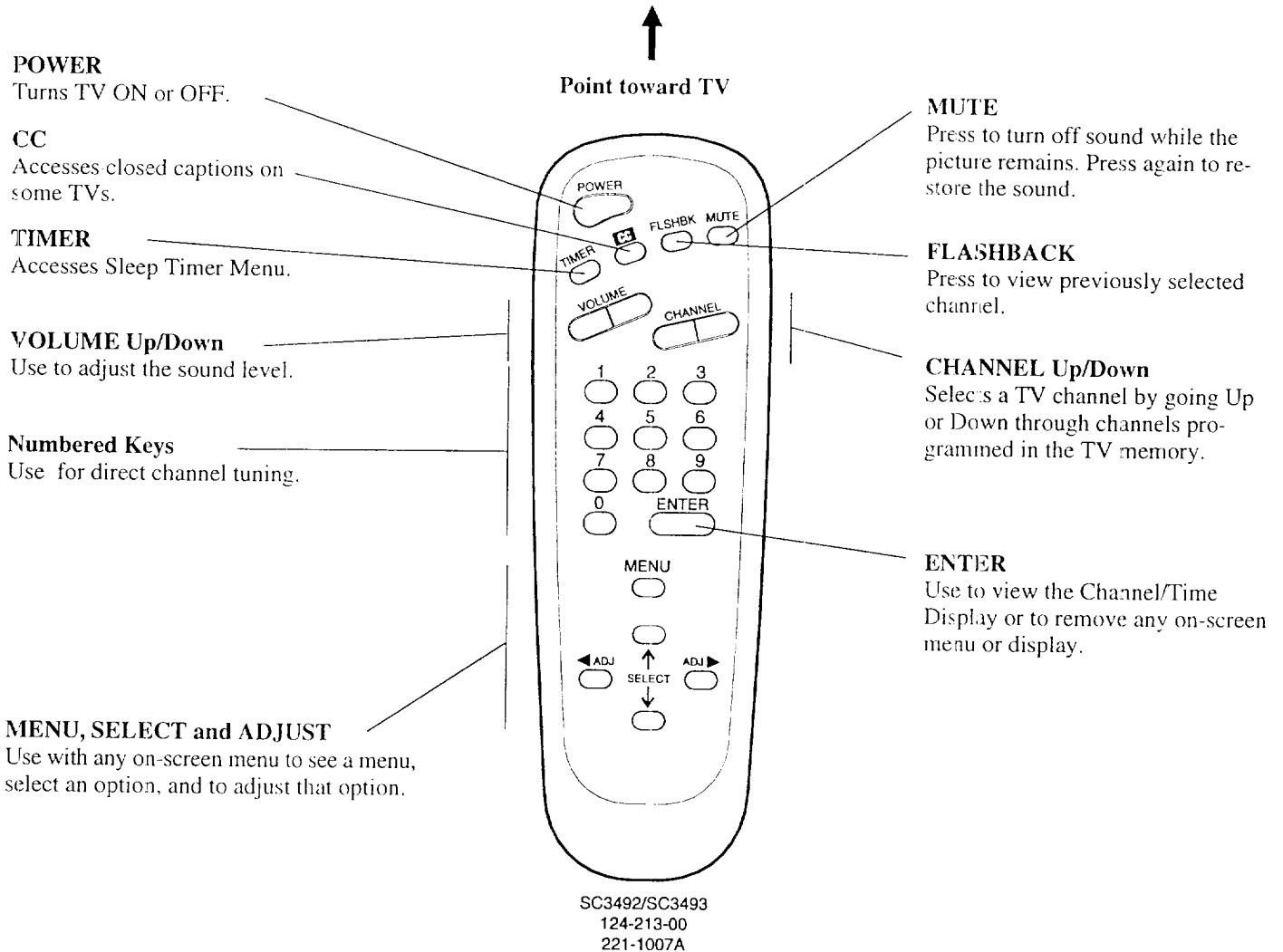


Example of "Selected" Menu option.

REMOTE CONTROL MODEL SC3492/SC3493

OPERATION

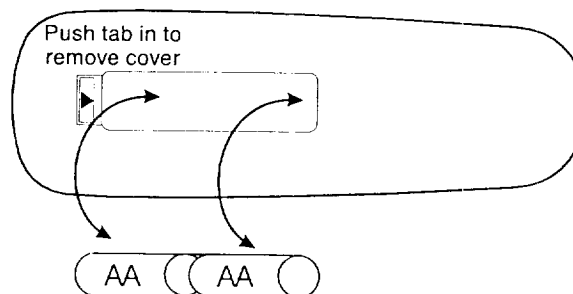
The remote control provides access to all on-screen menus, as well as, access to special features that can not be accessed by using the control panel on the TV.



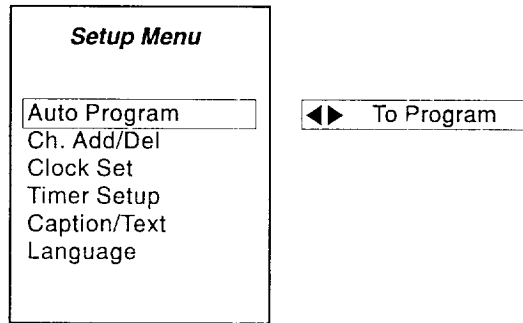
INSTALLING BATTERIES

Batteries are provided, but must be installed before using the remote control. When the effective range of your remote becomes noticeably shorter, replace the batteries with two (2) high quality, alkaline, size AA batteries as shown in battery compartment.

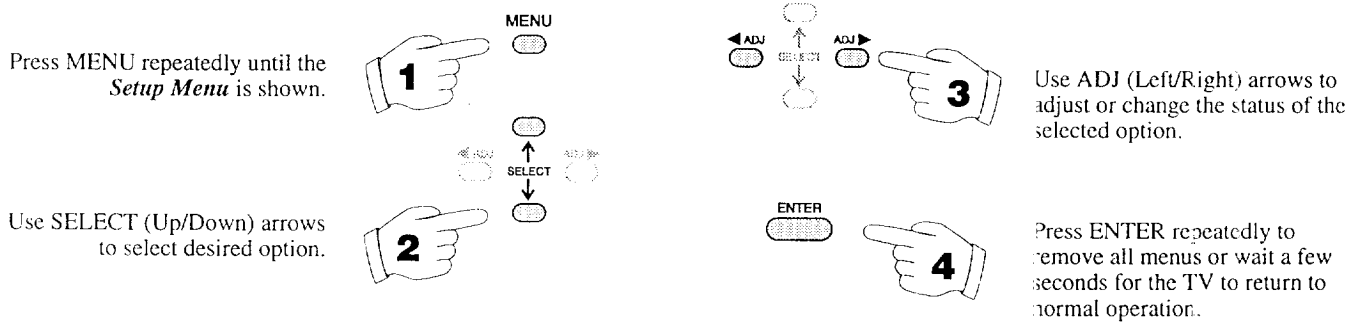
Note: The manufacturer is not responsible for damage caused by battery leakage.



SETUP MENU



MENU OPERATION



Menu Option	Function Of Menu Option
Auto Program	Finds all active channels and stores them in the TV's memory for use by the CHANNEL Up/Down keys.
Ch. Add/Del	Edits the channel numbers found by the Auto Program feature to create your own list of favorite channels when using the CHANNEL Up/Down keys. See the information following this chart for details.
Clock Set	Sets the clock in the TV to the correct time. Use numbered keys on the remote to enter time or press ADJ (Left/Right) arrow keys to set the 24-hour clock. Press TIMER on the remote to specify A.M. or P.M. Press ENTER to start the clock.
Timer Setup	Sets the TV's Sleep Timer and On/Off Timer features. See the information following this chart for details.
Caption/Text	Displays closed captioning or informational text when available on the selected channel. Options are: Off , Caption 1 , Caption 2 , Text 1 , and Text 2 . See the information following this chart for details.
Language*	Selects the language used for on-screen menus. Languages available include: English , Spanish (Español) or French (Français) .

USING CH. ADD/DEL

To Add or Delete Channels:
<ol style="list-style-type: none"> 1. Select Ch. Add/Del. 2. Select a channel using the number keys or with the CHANNEL Up and Down keys. 3. Use ADJ (Left/Right) arrow to choose either Added or Deleted. <p>Added: These channels are tuned when using the CHANNEL Up and Down arrow keys.</p> <p>Deleted: These channel are not tuned when using the CHANNEL Up and Down keys. However, "Deleted" channels may be tuned directly by entering the channel number with the number keys on the remote control.</p>

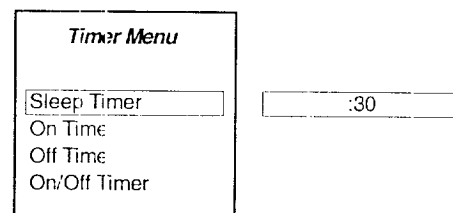
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SETUP MENU

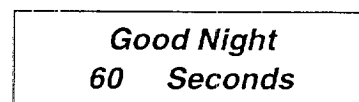
TIMER SETUP: Sleep Timer

The Sleep Timer programs the TV to automatically turn itself off after a period from 15 minutes up to 4 hours.

From Setup Menu	Direct From Timer Button
<ol style="list-style-type: none"> 1. Make sure the TV's clock is set. 2. Select Timer Setup and press ADJ (Left/Right) arrow to view the <i>Timer Menu</i>. 3. Select Sleep Timer. 4. Press ADJ (Left/Right) arrow repeatedly to set the period of time the TV will remain On. 	<ol style="list-style-type: none"> 1. Press TIMER on the remote control. 2. Press TIMER repeatedly to set the period of time the TV will remain on.
<p>One minute before the TV turns off, the GOOD NIGHT display appears on the screen. At this time you have a choice of the following two actions:</p> <ol style="list-style-type: none"> a. Do nothing. The TV will turn itself off in one minute. b. Delay the turn-off by pressing TIMER. 	



Sleep Timer set to turn TV off in 30 minutes.



"Good Night" display appears 60 seconds before shut-off and counts down.

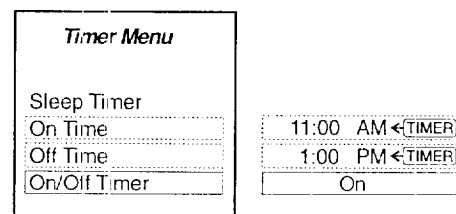
Notes:

- Before the *Timer Menu* can be viewed, you must have set the time on the TV.
- To cancel the SLEEP TIMER, turn off the TV or press the Timer key repeatedly until OFF is showing.

TIMER SETUP: On/Off Timer

The ON/OFF TIMER is a feature which programs the TV to turn itself On at a specific time then turn itself Off at another time.

Set On/Off Timer
<ol style="list-style-type: none"> 1. Make sure the TV's clock is set. 2. Select Timer Setup and press ADJ (Left/Right) arrow to view the <i>Timer Menu</i>. 3. Select On Time and use the numbered keys on your remote to enter a time for the TV to turn itself ON. Press TIMER on the remote to select A.M. or P.M. 4. Select Off Time and use the numbered keys on your remote to enter a time for the TV to turn itself OFF. Press TIMER on the remote to select A.M. or P.M. 5. Select On/Off Timer and use ADJ (Left/Right) arrow to show ON. 6. Press ENTER on your remote control to remove the menu from view.



On/Off Timer set to turn TV on at 11:00 a.m. and off at 1:00 p.m.

Notes:

- A time must be set for "Off Time" in order to turn the Timer ON.
- Before the *Timer Menu* can be viewed, you must have set the time on the TV.

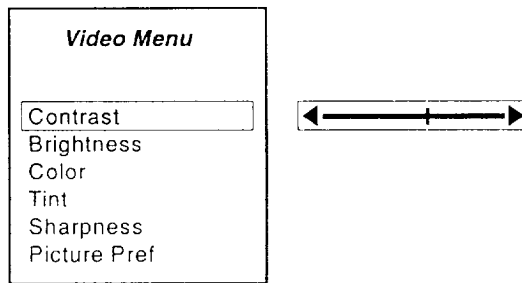
USING CAPTION/TEXT

Activating Captions/Text (From Setup Menu)	Activating Captions (With CC Button)
<ol style="list-style-type: none"> 1. Use SELECT (Up/Down) keys to choose CAPTION/TEXT. 2. Press ADJ (Left/Right) key repeatedly to access the five choices: OFF, CAPTION 1, CAPTION 2, TEXT 1 or TEXT 2. 	<ol style="list-style-type: none"> 1. Press the CC key on your remote. 2. Press CC repeatedly to access the three choices: OFF, CAPTION 1 or CAPTION 2.

Notes:

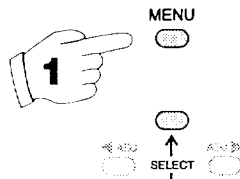
- At present, few TV programs or video tapes offer text captioning for any option other than **CAPTION 1**. Therefore, **CAPTION 1** is the only recommended choice, unless you know that a specific program is providing captioning using one of the other selections.
- Pressing CC while Text mode is active will turn Captions and Text off.

VIDEO MENU

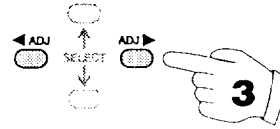


MENU OPERATION

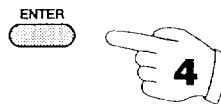
Press MENU repeatedly until the *Video Menu* is shown.



Press SELECT (Up/Down) arrows until the desired option is selected.



Press ADJ (Left/Right) arrows to adjust or change the status of the selected option.



Press ENTER or wait a few seconds for the TV to return to normal operation.

Menu Option	Function of Menu Option
Contrast	Adjusts the overall light to dark characteristics of the color level of the picture.
Brightness	Adjusts the overall brilliance of the picture from very dim to very bright
Color	Adjusts the intensity of the colors in the picture.
Tint	Adjusts the color of the flesh tones to more Red or more Green.
Sharpness	Adjusts the definition of the object edges for best picture quality.
Picture Pref. (Preference)	Selects the video adjustments to be used: (CUSTOM = your personal adjustment preferences; PRESET = factory set adjustments.)

Notes:

- All adjustments on the *Video Menu* are optional. It is not necessary to use these features in order to operate the TV.
- Any adjustments made to the *Video Menu* settings while Picture Pref. is in "Preset" mode will automatically store your current settings as the "Custom" settings.

MAINTENANCE AND TROUBLESHOOTING

CARING FOR YOUR TV

Your TV will look better, have a longer life and perform better if you care for it properly.



First check to see that the TV is off. For added safety, unplug the TV from the power outlet.

NOTE: If you unplug your TV, you will have to reset the clock to the current time.



PICTURE GLASS CLEANING

The picture tube face attracts dust particles and should be cleaned regularly. To clean the face, spray a small amount of glass cleaner on a cleaning cloth and wipe the picture tube glass face until clean. Repeat if necessary.

To delay new dust accumulation, wet a soft cloth in lukewarm water in which a little fabric softener or Ivory dishwashing detergent has been mixed. Wring the cloth almost dry. Wipe the glass face. Make sure no drops of moisture are squeezed onto the glass. Do not wipe the glass dry. Allow the glass to air-dry before you turn the TV on again.

CABINET CARE

Non-Wood Cabinet or Cabinet Components Moisten a soft cloth with a mild soap solution or Ivory dishwashing detergent. Wipe the surface with a damp cloth. Then rinse the cloth in clean water and wipe the surface again. Allow the TV to air-dry before turning it on.

Wood Cabinets or Cabinet Components Use any good furniture cleaner and polish. Regular care will help preserve the finish.

EXTENDED ABSENCE

Before an extended absence (such as a vacation) you may want to unplug the power cord from the electrical wall outlet. This will protect the TV from possible damage from lightning or power line surges. If you have an outdoor antenna, you may also want to disconnect the antenna lead-in wires on the back of the TV.

NOTE: If you unplug your TV, you will have to reset the clock to the current time.

TV PICTURE INTERFERENCE

Your TV picture may be affected by interference caused by one or a number of factors. These include:

Speckled or Streaked Picture Can be caused by nearby automobile ignition, electrical appliances, etc. This is most noticeable in weak signal areas.

Snow in Picture Caused by insufficient signal. Usually caused by the TV being located too far from the TV station or by an improper antenna installation.

Ghosts or Reflections Caused by signals being reflected from surrounding buildings, water tanks, or other high structures.

Radio Signal Police, amateur or CB radio transmitters may cause interference.

These interference problems can often be corrected through the use of a better antenna, signal amplifiers, or various filter devices. See your TV dealer for additional information, and available TV accessories.

MAINTENANCE AND TROUBLESHOOTING

BEFORE CALLING FOR SERVICE

Check these items and see if you can correct the trouble by changing the adjustment of a menu option or tightening the connection of a cable. By performing a simple inspection before calling for service, you may save time and money.

PROBLEM	TRY THIS
Sound OK. Poor picture.	Re-orient antenna. Try another channel. — possible station trouble. Adjust <i>Video Menu</i> options. Trouble with cable-TV system? Is antenna/cable connection loose?
No picture or sound.	Is TV on? Is there power in wall outlet? Is TV plugged in? Is antenna hooked up? Is cable hooked up? Trouble with cable-TV system? Check auxiliary audio/video equipment. Check channel selection.
Picture blurred or distorted. Ghost in picture.	Check antenna or cable hook up for broken wires. Try another channel — possible station trouble. Check for local interference.
No color, or poor color.	Is it a color program? Check antenna or cable hook up for broken wires. Adjust <i>Video Menu</i> options.
No sound.	Volume setting may be too low. Check MUTE key operation on remote control.
Cannot select certain channels.	Channels may be skipped in Ch. Add/Del option of <i>Setup Menu</i> .
No closed captions	Are captions available? Is Caption 1, or 2 selected using the Caption/Text option on the <i>Setup Menu</i> ?
Black or blue box covers half of screen.	Is text information available? Is Text 1, or 2 selected in the Caption/Text option of the <i>Setup Menu</i> .
Remote control does not work.	Are batteries okay? Is TV turned On? Is TV plugged in?

NOTES:

- If your TV fails to respond to the PICTURE PREF. selection, or to any other menu selection, you must reset the TV. Simply disconnect the AC power cord from the power outlet. Wait a few minutes, then plug the TV back in to the power outlet. You may have to reset the clock to the current time.

Always request that your technician use only genuine Zenith exact replacement parts for continued Quality and Safety performance.
KEEP YOUR ZENITH ALL ZENITH.

AVISO PARA NUESTROS CLIENTES DE HABLA HISPANA

Zenith publica muchos de sus manuales de instrucciones en idioma español. Si le interesa pedir la versión en español de este manual, llene el formulario provisto a continuación, fotocopíelo y envíelo a la dirección indicada.

No todos los manuales de instrucciones están disponibles en español. Sin embargo, podemos proporcionarle el manual que corresponde a un modelo similar a este, en el cual se describen casi todas las características del producto que usted utiliza.

El manual en español es gratis.

Instrucciones:

1. Llene el formulario proporcionado a continuación con la información solicitada.
2. Haga una fotocopia del formulario de pedido y envíela a:

**Service Literature Department
Zenith Video Tech Corporation
1000 Milwaukee Avenue
Glenview, IL 60025-2493**

Fotocopie la pagina y corte la línea punteada

Formulario de pedido de su manual de instrucciones

(Este formulario de pedido es solo válido para el producto descrito en este manual)

**206-3117
Y-DAE**

Número de modelo: _____ (lo encontrará en la parte posterior del aparato)

Número de serial: _____ (lo encontrará en la parte posterior del aparato)

Día de Compra: ___/___/___
 día mes año

Nombre _____

Dirección _____ Apartamento _____

Ciudad _____ Estado _____ Código postal _____

País (si es fuera de E.E.U.U.) _____

YOUR ZENITH TV WARRANTY

DIRECT-VIEW COLOR TV

Welcome into the Zenith family! We believe that you will be pleased with your new Zenith Color TV. Please read this warranty carefully. It is a "LIMITED WARRANTY" as defined under Federal Law. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state within the U.S.A.

Zenith's Responsibility

Service Labor — During a period of 90 days from effective warranty date, Zenith will pay for service labor by a Zenith authorized service center when needed as a result of manufacturing defects.

Parts — New or remanufactured replacements for factory-defective parts will be supplied by a Zenith authorized service center for one year from effective warranty date (color picture tube — two years). Such replacement parts are warranted for the remaining portion of the original warranty period.

Home Service — Warranty service for 21" diagonal (U.S.A.) or larger screen size models is provided in the home in most cases. (Some repairs may require the unit to be taken by the servicer to the repair facility and returned, at no additional charge.)

Not Covered — This warranty covers manufacturing defects and does not cover installation, adjustment of customer controls in the home, installation or repair of home antenna systems, cable converters or cable company-supplied equipment; it also does not cover damage due to misuse, abuse, negligence, acts of God or other causes beyond the control of Zenith. Any alteration of the product after manufacture voids this warranty in its entirety.



Before you ask for Warranty service, check the operating guide section entitled, "**Maintenance And Troubleshooting.**" It may be possible to avoid a service call.

Owner's Responsibility

Effective Warranty Date — Warranty begins on the date of original consumer installation. For your convenience, keep the dealers dated bill of sale or delivery ticket as evidence of the purchase date.

Operating Guide — Read your Operating Guide carefully so that you will understand the operation of your set and how to adjust the customer controls.

Carry-In Service — Models under 21" diagonal (U.S.A.) screen size must be taken to a Zenith authorized service center for warranty service and must be picked up by the owner.

Antenna — Reception problems caused by inadequate home antennas or faulty antenna connections are the owner's responsibility.

Important: Product Registration — Please fill out and mail your Product Registration Card. It is imperative that Zenith know how to reach you promptly if we should discover a safety problem that could affect you.

Warranty Service — For warranty service information, contact any Zenith authorized service center. Parts and service labor that are Zenith's responsibility (see above) will be provided without charge. Other service is at the owner's expense. If you have any problem in obtaining satisfactory warranty service, call or write:

Zenith Electronics Corporation
Customer Service Department
1000 Milwaukee Avenue
Glenview, IL 60025-2493
Telephone: (847) 391-8752
Mon-Fri, 8:00 a.m. - 4:30 p.m. Central Time

ADDITIONAL ZENITH PROTECTION PLAN AVAILABLE

Zenith offers you the opportunity to obtain additional long-term protection against failure of the picture tube in your new television. Our Picture Tube Protection Plan enables you to avoid any unexpected picture tube repair expenses and keep your television in top condition. It guarantees you a genuine Zenith replacement picture tube and service from a Zenith authorized service center.

Be sure to send in the **Product Registration Card**. We will send you an application for the Protection Plan near the expiration of the two year manufacturer's warranty on the picture tube. For additional information, call (847) 391-8757.

ZENITH ELECTRONICS CORPORATION
1000 MILWAUKEE AVENUE
GLENVIEW, ILLINOIS 60025-2493

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