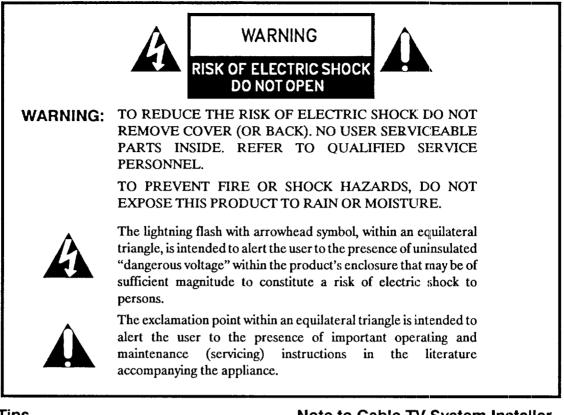


# **SENTRY 2** Monaural Color TV with Remote Control and Closed Captions

Return the Product Registration Card, and your TV could be free!





## **Safety Tips** Refer to the "Safety Tips" booklet that came with your product 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 alternatingcurrent 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.

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# INTRODUCTION

### WELCOME

Welcome into the family of Zenith Color Television owners. This guide provides instructions on how to operate your new TV. It is supplemented by a booklet containing Safety Tips. We urge you to read these publications carefully so that you will receive full enjoyment from your new Zenith TV for many years to come.

Your new Zenith TV has been designed and built to give you the very best in quality, features and performance. There are many regional Zenith distributors and thousands of distributor-approved Zenith service centers throughout the U.S. and Canada 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 distributorapproved Zenith service center, contact the regional Zenith distributor in your area, or write:

> Zenith Electronics Corporation Customer Service Department 1900 N. Austin Avenue Chicago, Illinois 60639-5079 Telephone: (312) 745-5152 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 nonstandard. 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 "Safety Tips" folder when installing and using your TV.

FIXED PATTERN DISPLAY CAUTION – If you use your TV for video games, teletext or other fixed displays, avoid setting the BRIGHTNESS control for an excessively bright picture. A bright, fixed pattern, if used 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.

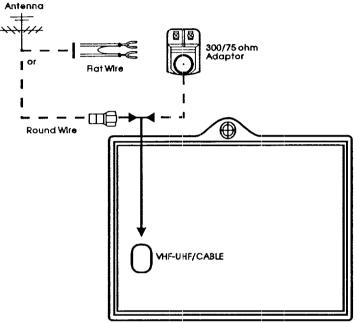
# **CONNECTIONS FOR YOUR TV**

## MAKE BASIC CONNECTION TO TV

There are four basic hook ups to your TV; outdoor antenna (or master antenna) with or without VCR, and cable-TV system with or without VCR. Select the hook up that best fits your needs. See the following diagrams. Your connection is made to the VHF-UHF/CABLE jack on the back of the TV. This jack accepts 75-ohm cable terminated in an F-type male connector. You may want to do the hook-up yourself, or call a TV service technician, or a cable company.

A. Antenna Connection to TV
If You Have a Round Antenna Wire:
Connect the 75-ohm round antenna wire into the VHF-UHF/CABLE jack on the TV.
If You Have a Flat, Twin-Lead Antenna Wire:

Use the 300/75-ohm adaptor included with the TV. Hook up the ends of the wire to the adaptor and plug it into the VHF-UHF/CABLE jack.



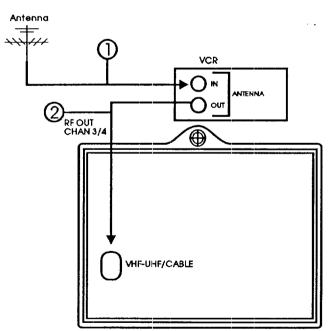
Connection Center on Back of TV

#### B. Antenna Connection to VCR and TV 1. Antenna Hook Up

Connect 75-ohm round antenna wire into ANTENNA IN jack on VCR.

#### 2. VCR Hook Up

Connect ANTENNA OUT wire from VCR into the VHF-UHF/CABLE jack on TV.



Connection Center on Back of TV

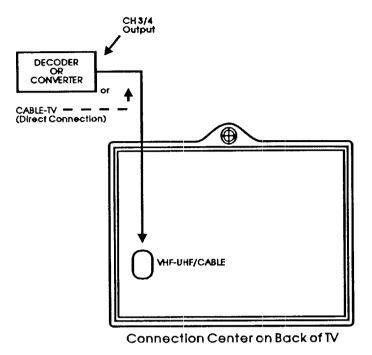
## **CONNECTIONS FOR YOUR TV**

## MAKE BASIC CONNECTION TO TV (CONTINUED)

#### C. Cable-TV Connection to TV

If You Have a Converter/Decoder Box: Connect the 75-ohm output from the converter/ decoder box into the VHF-UHF/CABLE jack on the TV.

**If You Do Not Have a Converter/Decoder Box:** Connect the 75-ohm round cable-TV line directly to the VHF-UHF/CABLE jack on the TV.



CH 3/4 Output VCR DECODER CONVERTER  $\cap$ IN. ANTENNA ŧ <u>)</u> ол CABLE-TV - - - (Direct Connection) RF OUT CHAN 3/4 2 D. Cable-TV Connection to VCR and TV  $\oplus$ 1. Cable-TV Hook Up Connect 75-ohm round cable-TV wire into ANTENNA IN jack on VCR. 2. VCR Hook Up Connect ANTENNA OUT wire from VCR into VHF-UHF/CABLE jack on TV. VHF-UHF/CABLE

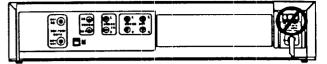
Connection Center on Back of IV

## THE FIRST TIME YOU OPERATE YOUR TV

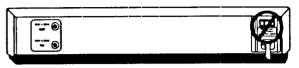
### **STEP 1. CONNECT THE POWER**

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 set the clock in the TV to the current time.



Do not plug TV into switched outlet on cable-TV decoder



#### Do not plug TV into switched outlet on a VCR

### **STEP 2. TURN TV ON**

Turn the TV on by pressing OFF-ON.

## STEP 3. USE AUTO CH. (Channel) SEARCH

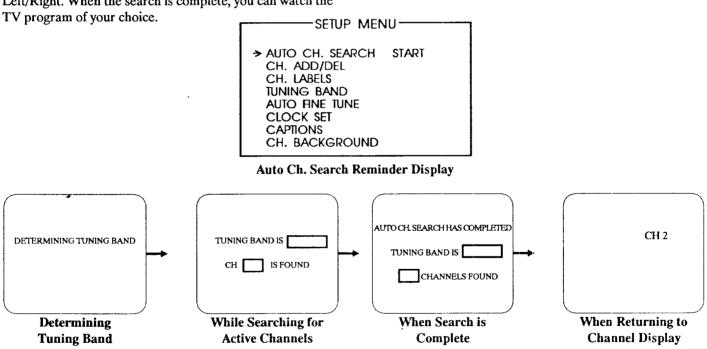
When your TV is first powered up you will see the AUTO CH. SEARCH reminder display. AUTO CH. SEARCH finds all available channels and stores them in memory for access by CHANNEL (CH) Up/Down.

NOTE: If you do not see the AUTO CH. SEARCH display press MENU repeatedly until SETUP Menu appears. Press SELECT until AUTO CH. SEARCH option is highlighted.

To activate AUTO CH. SEARCH, press ADJUST (ADJ) Left/Right. When the search is complete, you can watch the TV program of your choice.

#### NOTES:

- The AUTO CH. SEARCH reminder display appears each time you turn on your TV until it has been used at least once.
- Antenna or cable must be connected to TV before you use AUTO CH. SEARCH.



### **STEP 4. USE OTHER OPTIONS**

You may want to consider using the following options:

- Program the channels accessed by using CHANNEL (CH) Up/Down. Refer to CH. ADD/DEL option of the "Setup Menu" section of this operating guide for details.
- Set the clock in the TV. Refer to the CLOCK SET option of the "Setup Menu" section of this operating guide for details.

## **OPERATING YOUR TV**

## **BASIC TV OPERATIONS**

Selecting Channels by Using CHANNEL (CH) Up/Down: You may select a channel through channel scanning by using CHANNEL (CH) Up/Down. Only channels stored in the channel scan sequence can be selected.

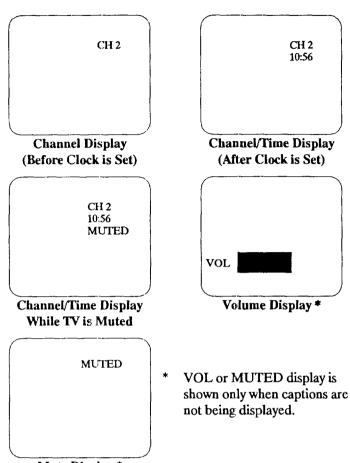
Selecting Channels by Using Numbers on Remote: Press the numbers corresponding to the channel desired, then press ENTER (ENT). Any channel in the band chosen can be selected through direct number entry.

FLASHBK (Flashback) on Remote: Press FLASHBK to return to the last TV channel you were watching.

Adjusting Volume: You can adjust the volume of your TV by using VOLUME (VOL) Up/Down.

Muting Volume: To mute the sound coming from your TV, press MUTE on the remote control. To restore sound, press MUTE again.

After an Extended Power Outage: If you previously used AUTO CH. SEARCH, you do not have to use it again unless you permanently changed the connections to the TV. All of the channels previously found are stored in protected memory, and are not affected by a power outage. However, the clock must be reset to the current time.



Mute Display \*

## **SLEEP TIMER (On Some Models)**

Some remote controls are equipped with a TIMER button that provides access to the SLEEP TIMER available with some TV models. By using the SLEEP TIMER, you can program the TV to automatically shut off after a period from 15 minutes up to 4 hours.

#### **To Set SLEEP TIMER**

- 1. Press TIMER to see status display.
- 2. Press TIMER repeatedly until you reach desired shut-off time.

One minute before the TV shuts off, the GOOD NIGHT display appears on the screen. At this time you have a choice of the following three actions.

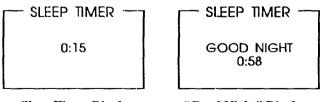
- 1. Do nothing. The TV will shut off in one minute. The display will count off the remaining seconds.
- 2. Remove the GOOD NIGHT display by pressing ENTER (ENT). The TV will still shut off in one minute.

3. Delay the shut off by using TIMER to select a new shut off time.

#### To Cancel the SLEEP TIMER

You can cancel the SLEEP TIMER by setting the SLEEP TIMER status to OFF. Press TIMER repeatedly until the status shows OFF.

**NOTE:** The SLEEP TIMER resets to OFF when you turn off the TV.

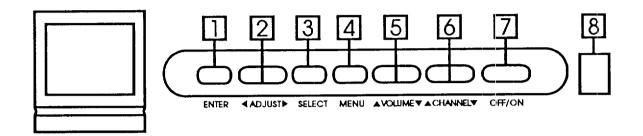


**Sleep Timer Display** 

"Good Night" Display

# **GETTING TO KNOW YOUR TV**

## HORIZONTAL CONTROL PANEL



#### 1. ENTER (ENT)

Press to see the Channel/Time display, or to remove any on-screen display or menu.

### 2. ADJUST (ADJ) Left/Right or $\checkmark$

Press during on-screen menu operation to see information/status display for selected option. Press again to adjust the selected menu option.

#### 3. SELECT (SEL)

Press during on-screen menu operations to select a menu option.

#### 4. MENU

Press once to see a menu. Press repeatedly to sequence through the available menus.

#### 5. VOLUME (VOL) Up/Down

Press to increase or decrease the sound level.

### 6. CHANNEL (CH) Up/Down

Press to select channels higher or lower than the channels being viewed. You can add channels to or delete channels from the scanning sequence stored in memory. See CH. ADD/DEL option of the "Setup Menu" section of this operating guide for channel programming information.

#### 7. OFF-ON

Press to turn TV power ON or OFF.

#### 8. Remote Control Detector Window

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

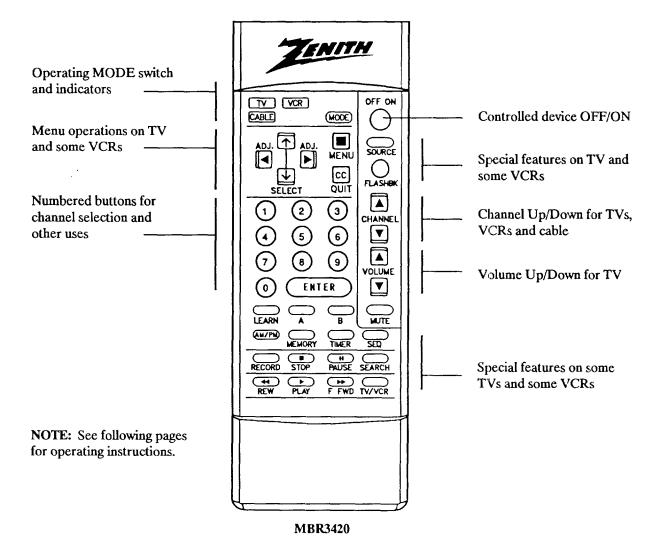
### INTRODUCTION

The multi-brand remote control supplied with your new Zenith TV allows you to operate most models of infra-red (IR) remote-controlled TVs, VCRs, and cable-TV decoders, even if they are all different brands. In this way, it takes the place of the several remote controls previously needed. Your multi-brand remote has already been programmed to operate your new Zenith TV, a Zenith manufactured cable-TV decoder and a Zenith VHS VCR. It must be programmed to operate other brands of equipment.

The following instructions are for operation of Zenith equipment. The instructions for using this remote with non-Zenith equipment are in the section entitled "Programming the Remote Control".

### **CHOOSING OPERATING MODE**

To use the remote to operate your TV, a cable-TV decoder or a VCR, you must first choose the mode of operation of the remote control. To select the TV, CABLE or VCR mode of operation, press MODE repeatedly until the corresponding indicator lights. Some controls on the remote, like PLAY and VOLUME, will always operate the VCR or the TV. Whether other keys operate the TV or the VCR depends on which mode of operation the remote control is in. For example, OFF-ON will turn the VCR on and off while the remote control is in the VCR mode. It will turn the TV on or off while the remote control is in TV mode.



## **TV OPERATIONS**

The following functions and operations apply to your Zenith TV. The remote control must be in the TV mode to operate your TV. The VOLUME control will always adjust the TV volume regardless of the selected operating mode of the remote.

MODE		
Press repeatedly to select the TV mode of operation.	<b>↑</b>	OFF/ON Used to turn TV ON or OFF.
TV	For optimum performance, point the	
Lights when TV mode of operation is selected.	remote control toward your TV.	SOURCE
CAPTIONS		Press to display the menu of TV sour- ces for TVs having a SOURCE Menu.
Used to view closed captions broadcast with some television programs.	TENITH TV VCR OFF 94	Press SOURCE again to step through the source selections. On some TVs, press SOURCE to select the AUX (Auxiliary) channel.
MENU, SELECT and ADJUST		FLASHBK (Flashback) Press to return to the last TV channel
Used with on-screen menus to see menu,	ADJ. ADJ. MENU SOURCE	you were watching.
select an option, and adjust that option.		CHANNEL Up/Down
	SELECT QUIT 1 2 3 CHANNEL	Used to sequence through the TV channels. Press CHANNEL Up or Down to change
Numbered Buttons		to the next higher or lower channel.
Used to select a TV channel.		VOLUME Up/Down
ENTER		- Used to adjust the volume level of the TV.
Used to view the Channel/Time Display		MUTE
or to remove any on-screen menu or display.	LEARN A B MUTE	Used to turn off sound while the pic-
uspiay.	(WI/PH) MEMORY TIMER SEQ	ture remains. Press again to restore
	RECORD STOP PAUSE SEARCH	the sound.
TIMER		SPATIAL EQUALIZATION (SEq)
Used to activate the SLEEP TIMER.		Used to select SEq audio mode on TVs
		equipped with SEq feature.

Remote Control MBR3420 TV Operations

### **VCR OPERATIONS**

The following functions and operations apply to Zenith VCR models built after 1988. The remote control supplied with your VCR may have keys not duplicated on the new remote. If these functions are desired, the original remote control will have to be used. For complete details on how to operate your Zenith VCR, refer to the operating guide supplied with it.

The remote control must be in the VCR mode to operate your VCR.

#### For optimum performance, point the remote control toward your VCR. MODE Press repeatedly to select the VCR mode of operation. ENITH **OFF/ON** VCR Used to turn VCR ON or OFF. Lights when VCR mode of operation ROV VT OFF ON is selected. CABLE (MODE) $\bigcirc$ FLASHBK (Flashback) MENU, SELECT, ADJUST and QUIT Press during VCR playback to view the $\frown$ ADJ. Used with the on-screen menus and SOURCE channel tuned by the VCR. MENU [◀] programming options of the VCR. See () $\mathbf{\Phi}$ CC **CHANNEL Up/Down** VCR operating guide for details FLASHBK our SELECT Used to select a TV channel by going Numbered Buttons (2) (3) Up or Down through channels from the CHANNEL Used to select a TV channel through VCR. ▼ 5 6 the VCR. Also, used to set the timer in the VCR, and to enter programming TIMER (8) (9) information. VOLUME Activates TIME RECORD on 0 ENTER some VCRs. ENTER . LEARN A MUTE TV/VCR Used with the numbered buttons to GH /PW) select a TV channel through the VCR. MORY Used to select the source of the TIMER SED programs seen on the TV. Switches the PAUSE AM/PM STOP SEARCH RECORD VCR between TV mode and VCR Used to set timer during programming. PLAY REW mode. TV Mode: channels are selected through the TV. VCR Mode: channels or tape operation are selected through **MEMORY** the VCR. Used to activate the VCR MEMORY feature. See VCR operating guide for details. RECORD, STOP, PAUSE, SEARCH, **Remote Control MBR3420 REW, PLAY and F FWD VCR** Operations Used for tape recording and playback

for details.

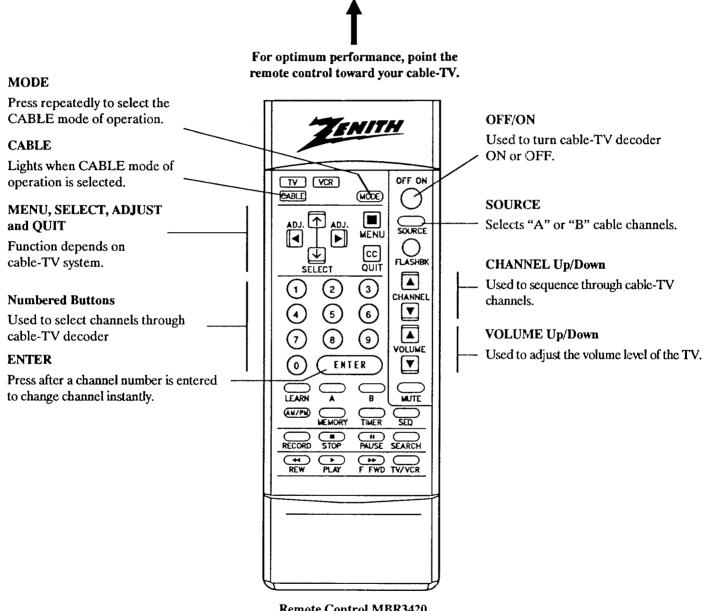
functions. See the VCR operating guide

## **CABLE-TV OPERATIONS**

The following functions and operations apply to a Zenith cable-TV decoder. The remote control supplied with your cable-TV decoder may have keys not duplicated on the new remote. If these functions are desired, the original remote control will have to be used.

For complete information on how to operate your cable-TV decoder, refer to the operating guide provided with it.

The remote control must be in the CABLE mode to operate your cable-TV decoder. The VOLUME control will always adjust the TV volume regardless of the selected operating mode of the remote.



Remote Control MBR3420 Cable-TV Decoder Operations

### PREPARATION FOR USE

Batteries are provided with this remote, but you must install them before using the remote.

### **INSTALLING BATTERIES**

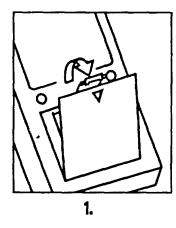
When the effective operating range of your remote becomes noticeably shorter, replace the batteries with two (2) high quality, alkaline, size AAA batteries. Do the following:

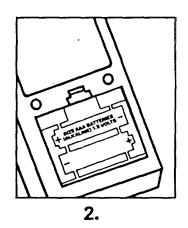
- 1. Remove the battery compartment cover by PUSH-ING DOWN tab and PULLING OUT from top.
- 2. Insert new batteries as indicated in the diagram inside the compartment. Observe proper battery polarity.
- 3. Replace the cover by inserting the tab on the bottom of the cover into its housing. Snap the cover into position.
- 4. After installing new batteries, the remote control will set itself to Zenith brand codes, as follows: TV = 101, VCR = 201 and CABLE = 301.

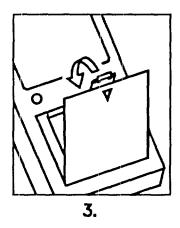
If you are going to operate equipment that uses different codes, the remote must be reprogrammed for those codes. Refer to "Programming the Remote Control" section for programming information.

#### CAUTIONS:

- Do not place heavy objects on top of the remote control buttons. Prolonged accidental operation of the remote control will shorten battery life.
- If you are not going to use the remote control for a month or more, remove the batteries. Battery leakage can cause damage to the remote control.
- Zenith is not responsible for damage caused by such battery leakage.







## **PROGRAMMING THE REMOTE CONTROL**

Before using your new remote control, it must be programmed to recognize the brands of equipment it will be used to operate. If you are using a Zenith TV, Zenith VHS/VCR or a Zenith cable-TV decoder, it has already been programmed for you. Otherwise, follow the steps below.

NOTE: The remote control can only be used to operate one VCR, one TV and one cable-TV decoder at a time. If you program the remote control to operate a TV that is not a Zenith, it will no longer operate your Zenith TV.

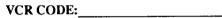
1. Find the code that corresponds to each brand and type of equipment you are going to operate. Refer to Tables 1, 2 and 3.

For example, if you were programming the remote for use with a Zenith TV, you would look up "Zenith" in "Table 1.", and find code "101."

Write the brand codes for your equipment on the following lines. Keep this operating guide for future reference.

TV CODE:

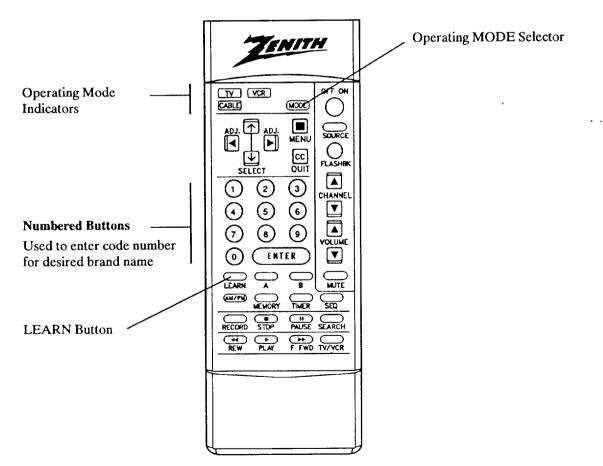
#### CABLE CODE:



- 2. Press MODE repeatedly to select the desired TV, VCR or CABLE operating mode for the remote.
- 3. Press LEARN for about 5 seconds until the MODE indicator lights for the selected TV, VCR or CABLE mode of operation.
- 4. Enter the proper brand code number determined in Step 1.
- 5. Press LEARN. All three mode indicators should light briefly, then turn off to indicate the brand code has been programmed.
- 6. If all three mode indicators fail to light briefly, an error has occurred. Repeat steps 2-5 to try again.
- 7. Repeat steps 2 5 to program the remote for the other equipment you are using.

**NOTE:** CABLE mode can be programmed to operate a second TV or second VCR, if desired.

When batteries are removed: It will be necessary to reprogram the proper VCR and cable-TV decoder codes.



**MBR3420** 

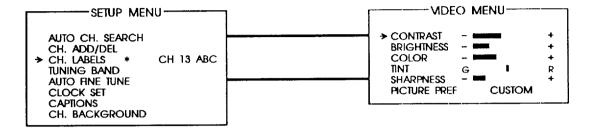
## TV, VCR AND CABLE-TV OPERATING CODES

	IV CO	des by Brand		Table 2. VCR Codes by Brand				Table 3. Cable Decoder Codes by Brand			
<b>TV Brand</b> Nam <del>e</del> (	Code	TV Brand Name C	ode	VCR Brand Name	Code	VCR Brand Name	Code	Cable Decoder Brand Name		Cable Decoder Brand Name	Code
										نیر <u>۔</u> کاماند ہے: «کامان	
Admiral Admiral		Montgomery Ward		Akai Audio Dumamico		Pentax Philco	215 214	Drake Satellite Drake Satellite		Pioneer Regency	315 329
Admiral Akai	121	Montgomery Ward Montgomery Ward		Audio Dynamics Audio Dynamics		Philips	214	Gemini	305	Samsung	335
Amark	104	NEC	104	Broksonic		Philips	227	Gemini	331	Scientific Atlanta	316
AOC		NEC	119	Canon		Pioneer	210	General Instrum		Scientific Atlanta	323
Bell & Howell	121	Panasonic	106	Citizen		Pioneer	215	General Instrum		Scientific Atlanta	336
Centurion	119	Panasonic	107	Craig	212	Pioneer Laser D	isk 228	Hamlin	302	Sprucer	
Coronado	103	Philco	103	Curtis Mathes	214	Quasar	214	Hamlin	303	(Panasonic)	313
Curtis Mathes	116	Philco	104	Curtis Mathes	216	RCA	215	Jerrold	304	Standard	
Curtis Mathes	119	Philco	112	DBX		RCA	216	Jerrold	307	Components	335
Curtis Mathes	121	Philco	113	DBX		RCA	220	Jerrold		STS Satellite	324
Daytron	119	Philips	112	Emerson		RCA	227	Jerrold	309	Telecaption 4000	325
Emerson	103	Philips	113	Emerson		Realistic	206 208	Jerrold Kale Vision	310 335	Tocom Tocom VIP	317 318
Emerson	104	Pioneer	135	Emerson	223	Realistic Realistic	208	Macom	333 314	Toshiba	318
Emerson Emerson	123 124	Portland Ouasar	103 106	Emerson Emerson		Realistic	212	Macom	321	Toshiba Satellite	319
Emerson	124	Quasar	100	Emerson		Realistic	231	Macom Satellite		Zenith	301
Emerson		Realistic	105	Fisher	211	_	220	Magnavox		Zenith	322
Fisher	109	Realistic	123	Fisher	212		230	NSC	335	Zenith AV3000	327
Fisher	118	Realistic	124	Fisher	213	U	206	Oak	311	Zenith Satellite	312
General Electric		RCA	104	Funai	231	•	212	Oak	332	Zenith Satellite	330
General Electric	107	RCA	116	General Electric	214		204	Panasonic	313	Zenith Satellite	328
General Electric	114	RCA	126	General Electric	<b>21</b> 6	Scott	205	Panasonic	320	Zenith Laser Disl	k 326
General Electric	116	Sampo	119	General Electric	220	Scott	233	Paragon (Zenith	) 333		
Goldstar	103	Samsung	103	Goldstar	209	Sears	206				
Goldstar	104	Samsung	119	Hitachi	215		209				
Goldstar	119	Samsung	134	Instant Replay	214		211				
Hitachi	102	Sanyo	108	Instant Replay	227		212				
Hitachi Hitachi	103 129	Sanyo	109 118	JVC	202 225		215 208				
JVC	129	Sanyo Scott	110	J.C. Penney	214	· · · · · · · · · · · · · · · · · · ·	208				
JVC	132	Sears	103	J.C. Penney	214		217				
J.C. Penney	104	Sears	105	J.C. Penney	227		207	1			
J.C. Penney	110		109	Kenwood	202		214				
J.C. Penney	114	Sears	110	Magnavox	207	-	227				
J.C. Penney	117	Sears	111	Magnavox	214	Symphonic	231				
J.C. Penney	119	Sears	118	Marantz	207	Tashiko	209				
КМС	103	Sears	134	Marantz	218	Tatung	202				
KIV	103	Sharp	103	Marta	209	Teac	202				
KIV		Sharp	105	Memorex		Teac	231				
Lodgenet		Sharp	122	Memorex		Teknika	234				
Logik		Sharp	133	Memorex		Toshiba	205				
		Sharp	137	MGA/Mitsubishi		Toshiba Vootoo Recearch	215 204				
LXI Magnavox	137	Sony Sytvania	115 112	MGA/Mitsubishi Montgomery Ward		Vector Research					
Magnavox		Sytvania	112	Montgomery Ward			202				
Magnavox		Sytvania	117	Montgomery War			218				
Magnavox		Sylvania	119	NEC		Zenith VHS	201				
Magnavox		Sytvania	127	NEC		Zenith VHS	225				
Magnavox		Sylvania	128	Panasonic		Zenith VHS	229				
Majestic	121	Tatung	106	ļ							
Marantz	104	Teknika	103								
Marantz	120	Teknika	112								
Memorex		Teknika	121								
MGA/Mitsubishi		Teknika	124					1			
MGA/Mitsubishi		Telerent	103								
MGA/Mitsubishi		Telerent	121								
MGA/Mitsubishi		Toshiba Toshiba	110								
Montgomery Ward			111 134					1			
Montgomery Ware Montgomery Ware			134	}							
Montgomery Ward			101								
Montgomery Ward		~~um	101								
				1	E	- 7		l			
2599-A					- J -	- <i>i</i>					

## **ON-SCREEN MENUS**

## **AVAILABLE MENUS**

Your TV is menu operated, that is, adjustments that can be made to the TV appear on the screen in a list of choices you can make by using the controls on the front panel of the TV or on the remote control. There are two menus: SETUP and VIDEO. These menus list everything you can adjust to your personal preference or needs.



\* Some models

### SUMMARY OF MENU ITEMS

#### **SETUP** Menu

AUTO CH. SEARCH: Finds all available channels and stores them in memory for access by using CHANNEL (CH) Up/Down.

CH. ADD/DEL: Changes the list of active channels selected by using CHANNEL (CH) Up/Down.

**CH. LABELS (Some models):** Adds a channel name "LABEL" to the Channel/Time display. For example, ABC may appear when this network channel is tuned.

TUNING BAND: Determines the operation of the channel tuner inside the TV.

AUTO FINE TUNE: Lets your TV compensate for variations in broadcast and cable TV frequencies.

**CLOCK SET:** Sets the clock in your TV to the correct time.

**CAPTIONS:** Displays closed captions (CC) or informational text when available.

**CH. BACKGROUND:** Changes the background of the Channel/Time display.

#### VIDEO Menu

**CONTRAST:** Adjusts the overall contrast and color level of the picture.

**BRIGHTNESS:** Adjusts the brightness level of black areas in the picture.

**COLOR:** Adjusts the intensity of the colors in the picture.

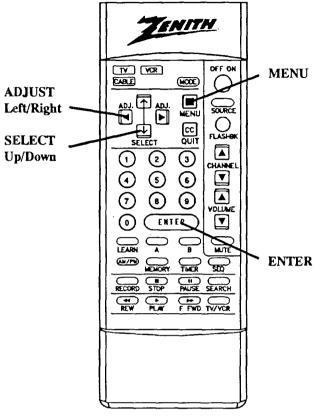
TINT: Adjusts the color of the flesh tones.

SHARPNESS: Adjusts the clarity for the clearest picture.

**PICTURE PREF:** Lets you decide if you want to use your own CUSTOM video settings, or the factory PRESET video settings.

## **ON-SCREEN MENUS**

## **BASIC MENU OPERATIONS**



Typical Remote Control (Your remote control may differ from the one shown.)

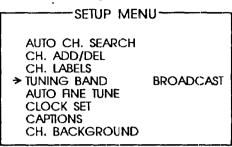
1. To See a Menu or Change Menus

Press MENU repeatedly until the desired menu is shown. Example shows choosing the SETUP Menu.



**Choosing Setup Menu** 

2. To Select an Option/Feature on a Menu Press SELECT (SEL) repeatedly until the desired option/feature is highlighted. The following example shows selecting TUNING BAND.



#### Selecting Tuning Band

3. To Adjust an Option/Feature

Press ADJUST (ADJ) Left/Right to see and choose the available selections.

**NOTE:** Do not change channels during menu operations unless instructed to do so in the procedures given in this operating guide.

4. To Access a Different Main Menu

Press MENU repeatedly until the desired menu is shown.

5. To Return to Normal Viewing

Press ENTER (ENT) or wait a few seconds and the TV will return automatically to normal operation.

Service Menus: In addition to the menus shown above, there are menus for factory and field servicing. Service menus are not intended for use by the owner.

If you inadvertently access a service menu, press ENTER (ENT) to return immediately to normal TV viewing.

## SETUP MENU

#### -setup menu-

AUTO CH. SEARCH CH. ADD/DEL > CH. LABELS \* CH 13 ABC TUNING BAND AUTO FINE TUNE CLOCK SET CAPTIONS CH. BACKGROUND

\* Some models

## AUTO CH. (Channel) SEARCH

#### Purpose

Finds all available channels and stores them in memory for access by CHANNEL (CH) Up/Down.

Use AUTO CH. SEARCH only when you first install your TV, or when you permanently change the connections to the TV. For example, when you replace the antenna with a cable-TV system.

Programmed channels are stored in protected memory, and are not affected by a power outage.

### Before Using AUTO CH. SEARCH

Connect and turn ON all external equipment, such as cable TV decoder, VCR, etc.

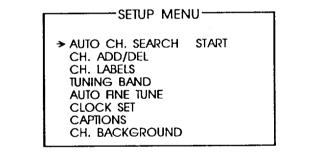
#### To Use AUTO SEARCH

- 1. AUTO CH. SEARCH should be selected if you followed the "Basic Menu Operation" given in the "On-Screen Menus" section.
- 2. Press ADJUST (ADJ) Left/Right to start the AUTO CH. SEARCH, the status of the search is shown in the display. When the search is complete, you can watch the TV program of your choice.

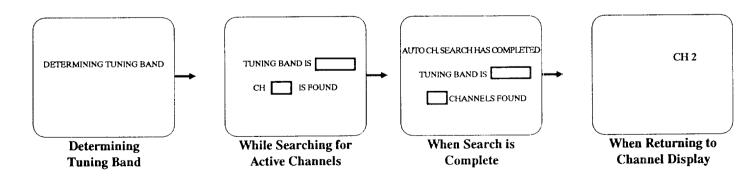
#### When Some Channels Are Not Found

AUTO CH. SEARCH finds only active channels and stores them in the favorite channel memory. You can add channels to those stored in memory by using the CH. ADD/DEL option.

If you have difficulty tuning some channels, you may have to manually change the TUNING BAND and AUTO FINE TUNE. Refer to respective option for details.



#### Selecting Auto Ch. Search



## CH. (Channel) ADD/DEL

#### Purpose

Lets you add channels to and remove channels from the active channels found when using the AUTO CH. SEARCH option. In this way you can customize the channels that are accessed through CHANNEL (CH) Up/Down.

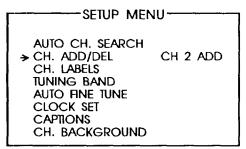
CH. ADD/DEL is an optional feature. You do not have to activate this feature in order to use your TV.

#### Before Using CH. ADD/DEL

Use the AUTO CH. SEARCH feature, if not previously used when you first installed the TV.

#### 'To Add a Channel to Scan Sequence

1. CH. ADD/DEL should be selected if you followed the "Basic Menu Operation" given in the "On-Screen Menus" section.



Selecting Ch. Add/Del

### CH. (Channel) LABELS (Some Models)

#### Purpose

This option allows you to show a channel "name" each time the channel display appears on the TV. In other words, if you choose the label "ABC" for channel 13, "ABC" appears in the Channel/Time display. Therefore, you always know what channel you are watching.

The labels shown in the following table may be "assigned" to channels.

#### NOTES:

- You may choose from any of the labels in the following table.
- To remove an assigned channel label, select the one that is "blank".





#### \* Some models

2590-0

- 2. Using CHANNEL (CH) Up/Down go to the channel you wish to add.
- 3. Add channel by pressing ADJUST (ADJ) Left/Right until the display shows ADD.
- 4. Press ENTER (ENT) to return to normal TV viewing.

#### To Delete a Channel from Scan Sequence

- 1. CH. ADD/DEL display should be shown on the TV if you followed the "Basic Menu Operation" given in the "On-Screen Menus" section.
- 2. Using CHANNEL (CH) Up/Down go to the channel you wish to remove.
- 3. Remove channel by pressing ADJUST (ADJ) Left/Right until the display shows DEL.
- 4. Press ENTER (ENT) to return to normal TV viewing.

#### When Some Channels Can Not Be Tuned

If you have some difficulty tuning some channels, you may have to manually set the TUNING BAND option. If you have the correct band, but are still having difficulty finding a channel you know to be active, set the AUTO FINE TUNE to SEARCH.

	1.20		1		
A&E	ABC	ACTS	ADC	AMC	BET
BRAV	CA	CBC	CBN	CBS	CMTV
CNBC	CNN	СОМ	CSPN	CIN	CTV
DIS	DISC	E!	ENC	ESPN	ET
EWIN	FAM	FNN	FOX	GALA	HBO
HN	HSE	HSN	IC	INSP	LIFE
MAX	MEU	MMT	MTV	NBC	NICK
NOS	PBS	PLAY	PTL	QVC	REQ
SC	SHOW	SIN	TBS	TBN	пс
ТМС	TNN	TNT	TRAV	TSN	TWN
USA	VC	VCR	VH1	VISN	VJN
WGN	WTBS	WWOR	YTV		

#### To Use CH. LABELS

- 1. CH. LABELS should be selected if you followed the "Basic Menu Operation" given in the "On-Screen Menu" section.
- 2. Using the number buttons or CHANNEL Up/ Down, select a channel.
- 3. Press ADJUST (ADJ) Left/Right to sequence through the available choices until the desired label appears.
- 4. Press ENTER to return to normal TV viewing.

## **SETUP MENU**

## **TUNING BAND**

#### Purpose

Allows for setting the TV tuner to match your antenna or cable-TV system.

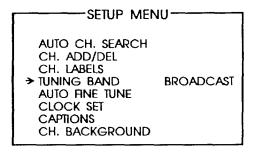
If you are having difficulty tuning channels, the TUNING BAND may have to be set manually to match your viewing needs.

#### Before Using TUNING BAND

Connect and turn ON all external equipment, such as cable-TV decoder, VCR, etc. Use AUTO CH. SEARCH if not previously used.

#### To Use TUNING BAND

1. TUNING BAND should be selected if you followed the "Basic Menu Operation" given in the "On-Screen Menus" section.



**Selecting Tuning Band** 

### AUTO FINE TUNE

#### Purpose

Lets your TV compensate for variations in broadcast and cable-TV frequencies.

If you are having difficulty tuning channels, the AUTO FINE TUNE may have to be set manually to match your viewing needs.

#### **Before Using AUTO FINE TUNE**

Connect and turn ON all external equipment, such as cable-TV decoder, VCR, etc.



**Selecting Auto Fine Tune** 

- 2. Press ADJUST (ADJ) Left/Right to select the desired tuning band, as follows:
  - BROADCAST is used for standard "over-the-air" broadcasts.
  - Cable -- CATV is used for most standard cable-TV (CATV) systems.
  - Cable HRC is used for cable-TV systems that use HRC (Harmonically Related Carrier).
  - Cable ICC is used for cable-TV systems using ICC (Incremental Coherent Carrier).

#### Available Channels per Band

The channels that are available in the broadcast and cable tuning bands are shown below:

#### **BROADCAST Band**

VHF 2 to 13 UHF 14 to 69\*

\* Channels above 69 are not selectable.

#### CATV, HRC and ICC Bands

1 to 125\*\*

\*\* Channels above 125 may not be selectable.

#### When Some Channels Are Not Clear

If some channels are not clear, change the AUTO FINE TUNE. You may have to try different TUNING BAND and AUTO FINE TUNE settings until you get a clear picture, channel-to-channel. Refer to the AUTO FINE TUNE option for details.

#### To Use AUTO FINE TUNE

- 1. AUTO FINE TUNE should be selected if you followed the "Basic Menu Operation" given in the "On-Screen Menus" section.
- 2. Press ADJUST (ADJ) Left/Right to select the desired mode of operation, as follows:
  - FIXED is used to receive "over-the-air" TV stations, and with many cable TV systems.
  - SEARCH is used only when the TV must search to find the frequency being received, such as when used with certain VCRs and video game controllers.

#### When Some Channels Are Not Clear

If some channels are not clear, change the TUNING BAND. You may have to try different AUTO FINE TUNE and TUNING BAND settings until you get a consistently clear picture, channel-to-channel. Refer to the TUNING BAND option for details.

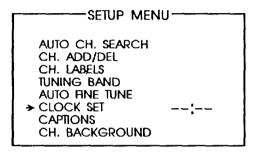
### CLOCK SET

#### Purpose

Sets the clock in the TV to the correct time.

After the time has been set, the current time will appear on the Channel/Time display whenever the TV is turned on, the channel is changed, or ENTER (ENT) is pressed.

**Power Failure Note:** The time will have to be reset if power to the TV is interrupted.



Selecting Clock Set

#### To Use CLOCK SET from Remote Control

- 1. CLOCK SET should be selected if you followed the "Basic Menu Operation" given in the "On-Screen Menus" section.
- 2. Use the numbered buttons on the remote control to enter the current time. Press ENTER (ENT) to start the clock.

For example, to set the clock to 12:30, press 1, then 2, then 3, then 0; and then press ENTER (ENT). If you enter an invalid time, such as 14:35 or 2:80, the time will disappear and you can enter another time.

#### To Use CLOCK SET from Control Panel

- 1. CLOCK SET display should be shown on the TV if you followed the "Basic Menu Operation" given in the "On-Screen Menus" section.
- 2. Use ADJUST (ADJ) Left/Right to set the time, and then press ENTER (ENT) to start the clock.

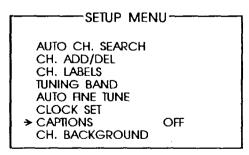
### CAPTIONS

#### Purpose

Displays closed captions (CC) or informational text when available on the selected channel.

#### To Access CAPTIONS Indirectly (All Models)

- 1. CAPTIONS should be selected if you followed the "Basic Menu Operation" given in the "On-Screen Menus" section.
- 2. One of five different selections is shown: OFF, CAPTION 1, CAPTION 2, TEXT 1 and TEXT 2.
- 3. Press ADJUST (ADJ) Left/Right to select desired mode of operation.
- 4. The display disappears from the screen automatically in about 10 seconds, or you may press ENTER (ENT) to remove the display immediately.



Selecting Setup Menu and Captions Option

#### To Access CAPTIONS Directly (Select Models)

- 1. Press CAPTIONS or CC/QUIT on the remote control to select CAPTIONS. One of five different selections is shown: OFF, CAPTION 1, CAPTION 2, TEXT 1 and TEXT 2.
- 2. Press ADJUST (ADJ) Left/Right to select desired mode of operation.
- 3. The display disappears from the screen automatically in about 10 seconds, or you may press ENTER (ENT) to remove the display immediately.

#### (continued on next page)

## **SETUP MENU**

## **CAPTIONS (CONTINUED)**

#### Application

Your new TV is able to decode and display the closed captions and informational text that are broadcast with some TV shows. Captions can be subtitles for the hearing impaired, or translations into another language. Informational text can be the daily program schedule for the TV station, or special announcements.

Look for a (CC) or similar sign in your TV schedule, or on the video tape cassette, which indicates that captions are provided.

The closed caption signal is recorded by all VCRs when recording a TV broadcast or copying a tape having closed captions.

#### **About Closed Caption Operation**

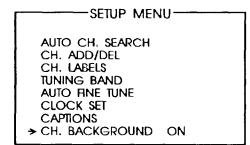
Once you turn CAPTIONS ON, they will stay ON until you turn CAPTIONS OFF. Captions will appear as they are received. If captions stop being received, they will stop appearing on the TV. If they are received again, captions will automatically appear again on the TV. The captions will appear on the TV screen as they were created. If they were created in color, they will appear in color. If they were created in both upper and lower case letters, they will appear in both upper and lower case letters.

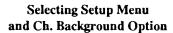
The TV can not show more than one on-screen display at a time, so no captions will appear until all other displays have been removed from the screen.

## CH. (Channel) BACKGROUND

#### Purpose

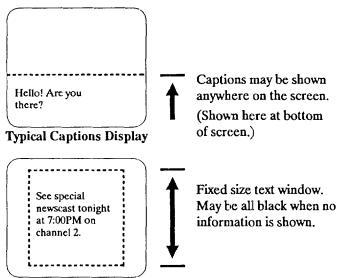
When you turn on your TV, the Channel/Time display shows the current channel and time (if set). The CH. BACKGROUND feature allows you to show the numbers and letters on a small colored field which serves as the background. NOTE: This background will then also appear on the Mute display as well.





To remove a display that is interfering with captions, press ENTER until the display disappears. Likewise, you can instantly remove any captions by pressing ENTER to call up the Channel/Time display. When you press ENTER again, the Channel/Time display disappears and you return to captions.

CAPTIONS has four different selections that can be made: CAPTION 1, CAPTION 2, TEXT 1 or TEXT 2. At the time of this writing, very little appears in any selection except CAPTION 1. Therefore you should select CAPTION 1 and leave it in that position unless you know there is something you want to see in one of the other selections. Once you make a selection, that selection is remembered until you change it.

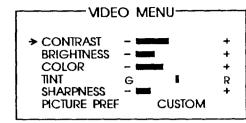


**Typical Text Display** 

#### To Operate CH. BACKGROUND

- 1. CH. BACKGROUND should be selected if you followed the "Basic Menu Operation" given in the "On-Screen Menus" section.
- 2. One of two different selections is shown: ON or OFF.
- 3. Press ADJUST (ADJ) Left/Right to select desired status.
- 4. The display disappears from the screen automatically in about 10 seconds, or you may press ENTER (ENT) to remove the display immediately.

## **VIDEO MENU**



NOTE: All adjustments on the VIDEO Menu are optional. You do not have to use these features in order to use your TV.

## CONTRAST

Adjusts the overall contrast and color level of the picture.

If the light areas in the picture are overly bright and some of the highlight details are missing, press ADJUST (ADJ) Left until the highlights are restored.

If the picture is grayish and lacks contrast and sparkle, press ADJUST (ADJ) Right until you reach the CON-TRAST level you prefer.

## BRIGHTNESS

Adjusts the brightness level of black areas in the picture. If the black areas are too light, press ADJUST (ADJ) Left until you reach the BRIGHTNESS level you prefer.

If the black areas in the picture are too dark and show little detail, press ADJUST (ADJ) Right until you reach the BRIGHTNESS level you prefer.

## COLOR

Adjusts the intensity of the colors in the picture.

If all the colors seem too vivid or intense, press ADJUST (ADJ) Left to decrease the COLOR intensity.

If all the colors seem faded or washed out, press ADJUST (ADJ) Right to increase the COLOR intensity.

## TINT

Adjusts the color of the flesh tones.

If the flesh tones are too red or purple, press ADJUST (ADJ) Left until you reach the desired flesh tones.

If the flesh tones are green or have a greenish TINT, press ADJUST (ADJ) Right until you reach the desired flesh tones.

## SHARPNESS

Adjusts the clarity for the clearest picture.

If the picture is too "grainy" and vertical edges show multiple lines on the right side, press ADJUST (ADJ) Left to obtain the desired SHARPNESS.

If the picture is too "soft" and vertical edges are fuzzy, press ADJUST (ADJ) Right to increase the SHARPNESS.

## **PICTURE PREF. (Preference)**

Lets you decide if you want to use your own CUSTOM video settings, or the factory PRESET video settings.

Press ADJUST (ADJ) Left/Right to obtain the desired setting.

If the factory PRESET setting is selected, any adjustment made to the VIDEO Menu options automatically changes the PICTURE PREF. setting to CUSTOM, and saves your current video settings in the CUSTOM mode.

## 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.

#### 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:

Nearby Automobile Ignition, Electrical Appliances, etc. Which causes a speckled, streaked picture. 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 control or the setting of a switch. By making these simple checks before calling for service, you may save time and money.

Problem	Try This
Picture OK. Poor sound.	Re-orient antenna. Check for local interference. Try another channel – possible station trouble. Check AUTO FINE TUNE and TUNING BAND Menu options.
Sound OK. Poor picture.	Re-orient antenna. Adjust VIDEO Menu options with PICTURE PREF. in CUSTOM mode. Try another channel – possible station trouble.
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? Check with your cable company. Check auxiliary audio/video equipment. Check channel selection. Check TUNING BAND and AUTO FINE TUNE Menu options.
Picture blurred, ghost in picture, or distorted.	Check antenna or cable hook up for broken wires. Possible station trouble — try another channel. Check for local interference.
No color, or poor color.	Check antenna or cable hook up. Adjust VIDEO Menu options with PICTURE PREF. in the CUSTOM mode. Is it a color program?
No sound.	Check VOLUME (VOL) setting. Check MUTE button operation on remote control, if provided.
Cannot select certain channels.	Channels may be skipped in CH. ADD/DEL Menu option. Check TUNING BAND and AUTO FINE TUNE Menu options.
Remote control does not work.	Are batteries okay? Is TV turned ON? Is TV plugged in?
No closed captions.	Are captions available? Is CAPTION 1 or CAPTION 2 selected using the CAPTIONS option on the SETUP Menu.
Black box covers most of screen.	Is TEXT 1 or TEXT 2 selected using the CAPTIONS option on the SETUP Menu? Text information may not be available.

Always request that your technician use only genuine Zenith exact replacement parts for continued Quality and Safety performance. Keep your Zenith ALL Zenith. **NOTE:** If your TV fails to respond to the PICTURE PREF. selection, or to any other menu selection, you must reset the TV. Simply disconnect it from AC power by unplugging the AC power cord from the power outlet. Wait a few minutes, then plug the TV back into the power outlet. You will have to reset the clock to the current time.

## **PRODUCT REGISTRATION CARD**

#### You could win a full refund on your new Zenith product.

Look for the Product Registration Card on your new video product.

Each month a drawing is held by Zenith from the completed Product Registration Cards received during the preceding month. Zenith will reimburse the winner for the full purchase price of the product purchased.

In order to participate, simply complete and return the Product Registration Card at once, even if you choose not to complete the information and interests portion of the questionnaire.

The odds of winning the free drawing described above, depend on the number of participants. Free drawing offer is void in Canada and other places where restricted or prohibited by law. Offer is void for Hotel/Motel and Institutional models. Rental models are not eligible.

#### Product Card lost or misplaced?

The Product Registration Card furnished with your video product is pre-printed with its Model and Serial numbers. Please fill out the card and mail it at your earliest convenience. It is imperative that Zenith know how to reach you promptly if we discover a safety problem that would affect you. If the original card has been lost or misplaced, you may use the replacement card provided below. Either card will qualify you for the free drawing, but you are limited to only one entry in the drawing. Complete the card, place it in an envelope and mail it to:

> Zenith Electronics Corporation P. O. Box 173257 Denver, CO 80217-3257

Use the replacement Product Registration Card only if the original card has been misplaced or lost.

#### PHOTOCOPY AND CUT ALONG DASHED LINE H5Z01-01 Zenith Product Registration Card (1) Please Print Clearly or Type (2) Area Code Telephone 1. Mr. 2. Mrs. 3. Ms. 4. Miss First Name Initial Last Name Street Apt. No. City (3) Date of Purchase Zip Code State Mo. Day Yr. MODEL. NUMBER Please record the model number Copy Numbers Here and serial number from the sticker From Label on Set on the back of your set. SERIAL NUMBER

## **RECOMMENDED ACCESSORIES FOR YOUR TELEVISION**

WALL MOUNTS

Easy to install

Safe and strong

5 year warranty

Made in U.S.A.

Adjustable tilt angle:

0 to 12 degrees

Space saving

UL listed

(17 lbs)

If your TV

screen is:

13"

19/20\*

25/27"

MAAN

ATS400 DELUXE 75

• 75 ohm all channel

(3 lbs)

**OHM INDOOR ANTENNA** 

UHF/VHF/FM antenna

auan I

Order

this model

**CWM013** 

CWM020

CWM027

Plus shipping

and handling

(17 lbs)

(17 lbs)

(17 lbs)

ONLY

\$69.95

ONLY

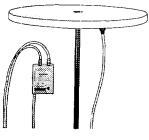
\$89.95

ONLY

\$99.95



**ONLY \$29.95** Plus shipping and handling



## **ONLY \$129.95**

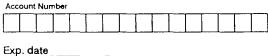
Plus shipping and handling

To take advantage of this exciting offer, please fill out this card and return a photocopy to: Attn: Accessory Offers Zenith Video Tech Corporation 1900 N. Austin Avenue Chicago, Illinois 60639

Charge card customers, to speed your order, call toll free 1-800-255-6790 Check payment method you prefer:

Check or money order (made payable to Zenith Video Tech)

🗌 Visa Mastercard



Signature

PLEASE ALLOW 3-4 WEEKS FOR DELIVERY, THANK YOU! To receive Information on other fine accessory products like those above, please take a moment to complete the following:

Television Model # Television Serial #

(from back of set)

Day. Mo. Yr. (Approx. date of purchase)

26 + lbs

NOTE: Price and availability subject to change.

TVACCES1

(from back of set)

 Attic or roof mount Includes: 50 ft. and 6 ft.

Order Form

**MBC400P 3 FUNCTION** 

**MULTI-BRAND REMOTE** 

Combining three remotes

easier. Operate your TV, VCR

and cable converter with one

Electronic mode switching

for 5 seconds and enter

• Three LED mode indicators

Operate on-screen menus

Ideal replacement for lost

Easy set-up: simply depress the "Learn" key

the three digit preprogrammed code

or broken remotes

ATS800 OMNI-STAR

AMPLIFIED UHF/VHF

UHF/VHF antenna

coaxial cable with

not included.)

connectors, U/V band

bracket and hardware.

separator, mounting

signal strength up to 6

ANTENNA (7 lbs)

on UHF

and displays

into one has never been

CONTROL (2 lbs)

remote control.

 Omni directional amplified Built-in amplifier boosts TV times on VHF and 9 times aming (Mast and mast mount are

#### Photocopy Page and Detatch Here

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		11 - 15 lbs	\$7.00	<u>-</u>					
		16 - 20 lbs	\$8.75	Na	ame				

State

\$10.45

Telephone		
Name		
Address		
Apt <b>#</b>	City	

Zip Code

## YOUR ZENITH WARRANTY

#### **Consumer Protection Plan for Zenith TV**

Welcome into the Zenith family! We believe that you will be pleased with your new Zenith Color TV. Please read this Consumer Protection Plan 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 U.S. or Canadian distributor-approved Zenith service center when needed as a result of manufacturing defects.

**Parts** – New or remanufactured replacements for factorydefective parts will be supplied by a U.S. or Canadian distributor-approved 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 19" diagonal (U.S.A.) or larger screen size models is provided in the home.

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.

#### **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 19" diagonal (U.S.A.) screen size must be taken to a distributor-approved Zenith 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 your Zenith dealer preferably, or any distributorapproved Zenith 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, write:

#### **Zenith Electronics Corporation**

Customer Service Department 1900 N. Austin Avenue Chicago, Illinois 60639-5079 Telephone: (312) 745-5152 Mon-Fri, 8:00 a.m. - 4:30 p.m. Central Time

**NOTE:** Before you ask for Warranty service, check the Operating Guide section entitled, "MAIN-TENANCE AND TROUBLESHOOTING." It may be possible to avoid a service call.

ZENITH ELECTRONICS CORPORATION 1000 MILWAUKEE AVENUE GLENVIEW, ILLINOIS 60025 Part No. 206-2576 Printed in U.S.A. EP-EDCBAO