# **TOSHIBA**



# OWNER'S MANUAL **Color Television**

COLOR STREAM®



The model number and serial number are on the back of your TV. Record these numbers in the spaces below. Refer to these numbers whenever you communicate with your Toshiba dealer about this TV.

Model number: 36A13

Serial number:



# Dear Customer.

Thank you for purchasing this Toshiba TV. This manual will help you use the many exciting features of your new TV. **Before operating the TV, please read this manual completely**, and keep it nearby for future reference.

# **Safety Precautions**

#### WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.







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



The lightning symbol in the triangle tells you that the voltage inside this product may be strong enough to cause an electric shock. DO NOT TRY TO SERVICE THIS PRODUCT YOURSELF.



The exclamation mark in the triangle tells you that important operating and maintenance instructions follow this symbol.

# NOTE TO CATV INSTALLERS IN THE USA

This is a reminder to call the CATV system installer's attention to Article 820-40 of the NEC, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. For additional antenna grounding information, see items 25 and 26 on page 4.

### NOTICE OF POSSIBLE TV STAND INSTABILITY

DANGER: RISK OF SERIOUS PERSONAL INJURY OR DEATH! Use this TV with the TOSHIBA TV stand recommended in the "Specifications" section only. Use with other stands may result in instability, causing possible injury or death.

# NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE

If a fixed (non-moving) pattern remains on the TV screen for long periods of time, the image can become permanently engrained in the picture tube. **This type of damage is NOT COVERED BY YOUR WARRANTY.** See item 33 on page 4.



ENERGY STAR® qualified TV. Products that earn the ENERGY STAR prevent green house gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy. ENERGY STAR and the ENERGY STAR mark are registered U.S. marks.

# **Child Safety**

# It Makes A Difference Where Your TV Stands



Congratulations on your purchase! As you enjoy your new TV, keep these safety tips in mind:

# The Issue

- ☐ If you are like most consumers, you have a TV in your home. Many homes, in fact, have more than one TV.
- ☐ The home theater entertainment experience is a growing trend, and larger TVs are popular purchases; however, they are not always supported on the proper TV stands.
- Sometimes TVs are improperly secured or inappropriately situated on dressers, bookcases, shelves, desks, audio speakers, chests, or carts. As a result, TVs may fall over, causing unnecessary injury.

# **Toshiba Cares!**

☐ The consumer electronics industry is committed to making home entertainment enjoyable and safe.

☐ The Consumer Electronics
Association formed the Home
Entertainment Support Safety
Committee, comprised of TV and
consumer electronics furniture
manufacturers, to advocate
children's safety and educate
consumers and their families about
television safety.

# **Tune Into Safety**

☐ One size does NOT fit all! Use appropriate furniture large enough to support the weight of your TV (and other electronic components).

- ☐ Use appropriate angle braces, straps, and anchors to secure your furniture to the wall (but never screw anything directly into the TV).
- Carefully read and understand the other enclosed instructions for proper use of this product.
- ☐ Do not allow children to climb on or play with furniture and TVs.
- □ Avoid placing any item on top of your TV (such as a VCR, remote control, or toy) that a curious child may reach for.
- □ Remember that children can become excited while watching a program and can potentially push or pull a TV over.
- ☐ Share our safety message about this hidden hazard of the home with your family and friends. Thank you!



2500 Wilson Blvd. Arlington, VA 22201 U.S.A. Tel. 703-907-7600 Fax 703-907-7690 www.CE.org

CEA is the Sponsor, Producer and Manager of the International CES®

# **Important Safety Instructions**

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.

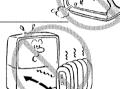


5) Do not use this apparatus near water.



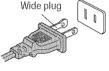
- 6) Clean only with a dry cloth.
- 7) **Do not block any ventilation openings.** Install in accordance with the manufacturer's instructions.





9) **Do not defeat the safety purpose of the polarized or grounding type plug.** A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third

prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.



10) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits the apparatus.



- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13) Unplug this apparatus during lightning storms or when unused for long periods of time.



- 14) **Refer all servicing to qualified service personnel.**Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) CAUTION: To reduce the risk of electric shock, do not use the polarized plug with an extension cord, receptacle, or other outlet unless the blades can be inserted completely to prevent blade exposure.

# Installation, Care, and Service

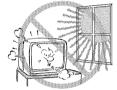
#### Installation

Follow these recommendations and precautions and heed all warnings when installing your TV:

16) Never modify this equipment. Changes or modifications may void: a) the warranty, and b) the user's authority to operate this equipment under the rules of the Federal Communications Commission.

DANGER: RISK OF SERIOUS PERSONAL INJURY, DEATH, OR EQUIPMENT DAMAGE! Never place the TV on an unstable cart, stand, or table. The TV may fall, causing serious personal injury, death, or serious damage to the TV.

18) Never place or store the TV in direct sunlight; hot, humid areas; areas subject to excessive dust or vibration; or locations with temperatures at or below 41°F (5°C).



19) Always place the TV on the floor or a sturdy, level, stable surface that can support the weight of the unit.



20) Never place items such as vases, aquariums, or candles on top of the TV.

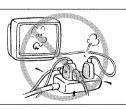


- 21) Never block or cover the slots or openings in the TV cabinet back, bottom, and sides. Never place the TV:
  - on a bed, sofa, rug, or similar surface:
  - too close to drapes, curtains, or walls; or
  - in a confined space such as a bookcase, built-in cabinet, or any other place with poor ventilation.

The slots and openings are provided to protect the TV from overheating and to help maintain reliable operation of the TV.



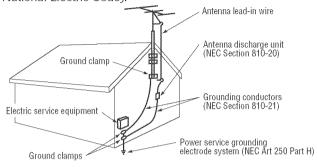
- 22) Never allow anything to rest on or roll over the power cord, and never place the TV where the power cord is subject to wear or abuse.
- 23) Never overload wall outlets and extension cords.



24) Always operate this equipment from a 120 VAC, 60 Hz power source only.



25) Always make sure the antenna system is properly grounded to provide adequate protection against voltage surges and built-up static charges (see Section 810 of the National Electric Code).



DANGER: RISK OF SERIOUS PERSONAL INJURY OR DEATH!

• Use extreme care to make sure you are never in a position where your body (or any item you are in contact with, such as a ladder or screwdriver) can accidentally touch overhead power lines. Never locate the antenna near overhead power lines or other electrical circuits.

- Never attempt to install any of the following during lightning activity:
- a) an antenna system; or b) cables, wires, or any home theater component connected to an antenna or phone system.

#### Care

26)

For better performance and safer operation of your TOSHIBA TV, follow these recommendations and precautions:

- 27) Always sit approximately 10–25 feet away from the TV and as directly in front of it as possible. The picture can appear dull if you sit too far to the left or right of the TV, or if sunlight or room lights reflect on the screen. Turn the TV off to check for reflections on the screen, and then remove the source of reflections while viewing the TV.
- 28) Always unplug the TV before cleaning. Never use liquid or aerosol cleaners.



29) WARNING: RISK OF ELECTRIC SHOCK!
Never spill liquids or push objects of any kind into the TV cabinet slots.

- 30) [This item applies to projection TVs only.] If the air temperature rises suddenly (for example, when the TV is first delivered), condensation may form on the lenses. This can make the picture appear distorted or the color appear faded. If this happens, turn off the TV for 6 to 7 hours to allow the condensation to evaporate.
- 31) For added protection of your TV from lightning and power surges, always unplug the power cord and disconnect the antenna from the TV if you leave the TV unattended or unused for long periods of time.
- 32) During normal use, the TV may make occasional snapping or popping sounds. This is normal, especially when the unit is being turned on or off. If these sounds become frequent or continuous, unplug the power cord and contact a Toshiba Authorized Service Center.
- 33) Possible Adverse Effects on TV Picture Tube: If a fixed (non-moving) pattern remains on the TV screen for long periods of time, the image can become permanently engrained in the picture tube and cause subtle but permanent ghost images. This type of damage is NOT COVERED BY YOUR WARRANTY. Never leave your TV on for long periods of time while it is displaying the following formats or images:
  - **Fixed Images**, such as PIP/POP windows, stock tickers, video game patterns, TV station logos, and websites.
  - **Special Formats** that do not use the entire screen. For example, viewing letterbox style (16:9) media on a normal (4:3) display (gray bars at top and bottom of screen); or viewing normal style (4:3) media on a widescreen (16:9) display (gray bars on left and right sides of screen).

#### Service

WARNING: RISK OF ELECTRIC
SHOCK! Never attempt to service the
TV yourself. Opening and removing the covers may expose you to dangerous voltage or other hazards. Refer all servicing to a Toshiba Authorized Service Center.

35) If you have the TV serviced:

 Ask the service technician to use only replacement parts specified by the manufacturer.

 Upon completion of service, ask the service technician to perform routine safety checks to determine that the TV is in safe operating condition.

36) When the TV reaches the end of its useful life, ask a qualified service technician to properly dispose of the TV. Improper disposal may result in a picture tube implosion and possible personal injury.

ONLY AUTHORIZED

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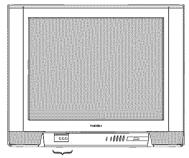
# Introduction

- Instructions in this manual are based on using the remote control; however, you can use the buttons on the front panel of the TV if they have the same name as those referred to on the remote control.
- Write your model and serial numbers in the space provided on the front cover of this manual for your records.

# **Exploring your new TV**

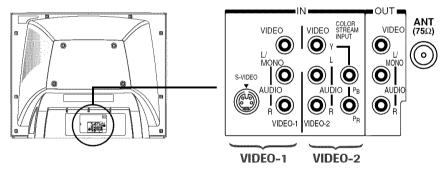
- You can operate your TV using the buttons on the front panel or remote control.
- The back and front panels provide all the inputs you will need to connect other equipment to your TV.

#### Front of TV



VIDEO-3

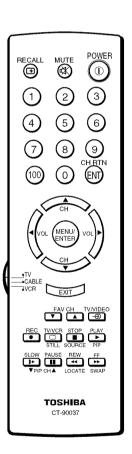
#### Back of TV



# Selecting a location for your TV

- Place the TV in a location where light does not directly hit the screen.
- Place the TV far enough from the walls to allow proper ventilation. Inadequate ventilation may cause overheating, which can damage the TV.

NOTE: Before installing your TV, please read the important safety information on pages 2–4.



# **Connecting your TV**

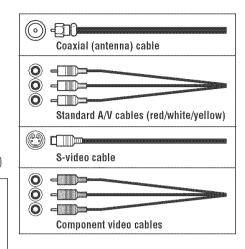
Note: Cables are not supplied with your TV.

- Coaxial cable is the cable that comes in from your antenna, cable TV service, or cable converter box. Coaxial cable uses "F" connectors.
- Standard A/V (audio/video) cables usually come in sets of three, and are typically color-coded according to use: yellow for video, red for stereo right audio, and white for stereo left (or mono) audio. On your TVs back panel, the standard A/V inputs are color-coded in the same manner as the cables.
- S-Video cable is for use with video equipment that has an S-Video input.
- Component video cables come in sets of three, and are for use with video equipment that has component video inputs. (ColorStream® is Toshiba's brand of component video.)

### **NOTE REGARDING PICTURE QUALITY**

When connecting video equipment to your Toshiba TV:

- For GOOD picture quality: Use a standard yellow video cable.
- For BETTER picture quality: If your equipment has an S-video input, use an S-video cable *instead of* a standard yellow video cable. (You still must connect the standard red and white audio cables for full system connection, but *do not connect the standard yellow video cable at the same time*, or the picture performance will be unacceptable.)
- For BEST picture quality: If your equipment has component video inputs, use component video cables *instead of* a standard video or S-video cable. (You still must connect the standard red and white audio cables for full system connection, but do not connect the standard yellow video cable or an S-Video cable at the same time.)



**CAUTION:** Do not plug in any power cords until you have finished connecting all equipment.

# Connecting a VCR

# With this connection you can:

- watch TV channels and videotapes
- record one channel while watching the same or another channel

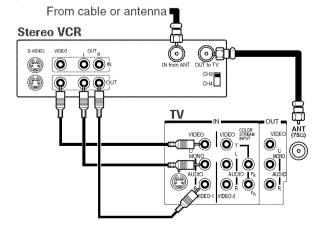
#### You will need:

- · two coaxial cables
- one set of standard A/V cables

#### Note:

If you have a mono VCR, connect L/Mono to VCR Audio OUT using only one audio cable.

The VIDEO-2 inputs on the back of the TV (and the VIDEO-3 inputs on the front of the TV) can be used for connecting a second (and third) piece of video equipment, such as a DVD player or camcorder (see "Note Regarding Picture Quality" above). For better quality, if your VCR has S-video, you can use an S-video cable (plus the standard audio cables) instead of the standard video cable. Do not connect a standard video cable and an S-video cable to VIDEO-1 at the same time or the picture performance will be unacceptable.



# Connecting a cable converter box

### With this connection you can:

• watch basic and premium cable channels

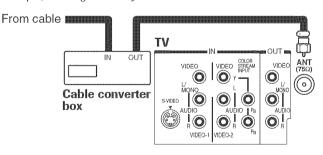
Tune the TV to channel 3 or 4 (whichever channel is vacant in your area), and then use the converter box to change channels.

#### You will need:

· two coaxial cables

#### Note:

When you use a converter box with your TV, you may not be able to use the remote control to program certain features (for example, blocking channels).



The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

# Connecting a cable converter box and a VCR

#### With this connection you can:

- watch videotapes
- watch and record basic and premium cable channels
- record one channel while watching the same or another basic channel

Tune the VCR to channel 3 or 4 (whichever channel is vacant in your area), place the TV in VIDEO 1 mode, and then use the converter box to change channels.

#### You will need:

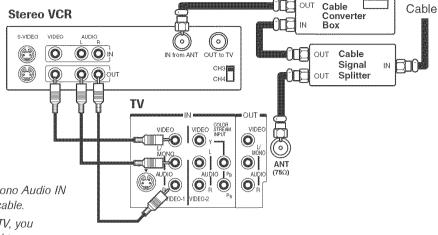
- · one cable signal splitter
- · four coaxial cables
- one set of standard A/V cables

#### Note:

If you have a mono VCR, connect TV L/Mono Audio IN to VCR Audio OUT using only one audio cable.

When you use a converter box with your TV, you may not be able to use the remote control to program certain features (for example, blocking channels).

For better quality, if your VCR has S-video, you can use an S-video cable (plus the standard audio cables) instead of the standard video cable. Do not connect a standard video cable and an S-video cable to VIDEO-1 at the same time or the picture performance will be unacceptable.



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From antenna

From

# Connecting a satellite receiver and a VCR

#### With this connection you can:

- · watch videotapes
- watch satellite and TV channels
- record one TV channel while watching the same or another channel

#### You will need:

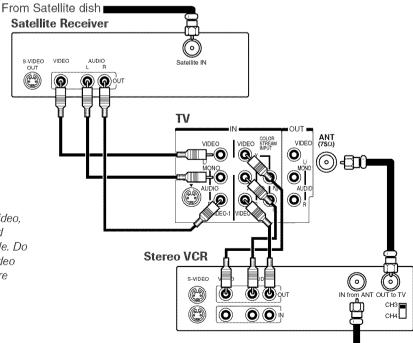
- · three coaxial cables
- two sets of standard A/V cables

#### Note:

To watch satellite programs, the TV must select VIDEO-1 (see page 16).

To watch VCR programs, the TV must select VIDEO-2 (see page 16).

For better picture quality, if your device has S-video, you can use an S-video cable (plus the standard audio cables) instead of the standard video cable. Do not connect a standard video cable and an S-video cable to VIDEO-1 at the same time or the picture performance will be unacceptable.



# Connecting a DVD player with component video and a VCR

Your TV has ColorStream\* (component video) inputs. Connecting your TV to a component video-compatible DVD player (such as a Toshiba DVD player with ColorStream\*) can greatly enhance picture quality and performance.

#### With this connection you can:

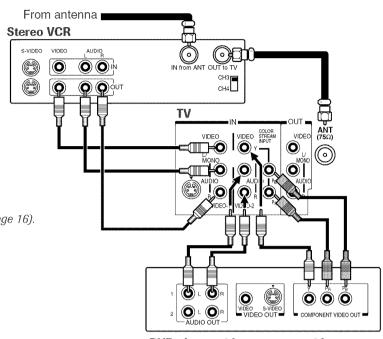
- watch TV channels, DVDs, and videotapes
- · record TV channels
- record one channel while watching the same or another channel

#### You will need:

- · two coaxial cables
- one set of standard A/V cables
- · one set of component video cables
- one pair of audio cables

#### Note:

To watch the VCR, the TV must select VIDEO 1 (see page 16). To watch the DVD player, the TV must select VIDEO 2 (see page 16).



**DVD** player with component video

# **Connecting two VCRs**

#### With this connection you can:

- · watch TV channels and videotapes
- · record TV channels
- record one TV channel while watching the same or another channel
- record (dub/edit) from one VCR to the other VCR while watching a videotape

#### You will need:

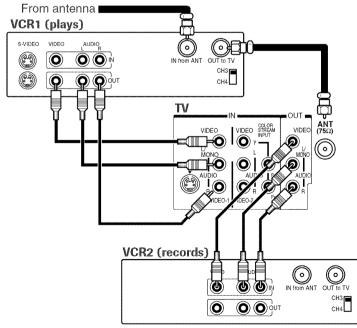
- two coaxial cables
- two sets of standard A/V cables

#### Note:

Do not connect the same VCR to both the OUT <u>and</u> the IN connections on the TV at the same time.

To record (dub/edit) from VCR 1 to VCR 2, the TV must select VIDEO 1 (see page 16), and VCR 2 must select LINE IN.

For better picture quality, if VCR1 has S-video, you can use an S-video cable (plus the standard audio cables) instead of the standard video cable. Do not connect a standard video cable and an S-video cable to VIDEO-1 at the same time or the picture performance will be unacceptable. The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.



# Using the remote control

# Preparing the remote control for use

Your TV remote control can operate your TV and most VCRs and cable TV converters, even if they are different brands.

#### If you have a Toshiba VCR or cable TV converter:

Your TV remote control is already programmed to operate it. See page 12.

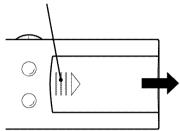
#### If you have a non-Toshiba VCR or cable TV converter:

You must first program your remote control so it will operate the other equipment. See pages 12–14.

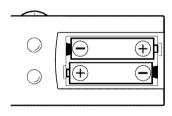
# Installing the remote control batteries

1 Slide the battery cover off the back of the remote control.





2 Install two "AA" size batteries, making sure to match the + and – signs on the batteries to the signs on the battery compartment.



3 Slide the battery cover back onto the remote control until the lock snaps.

#### Caution:

Dispose of batteries in a designated disposal area. Do not throw batteries into a fire.

Do not mix battery types or combine used batteries with new ones.

Remove dead batteries immediately to prevent battery acid from leaking into the battery compartment.

If you do not intend to use the remote control for a long time, remove the batteries.

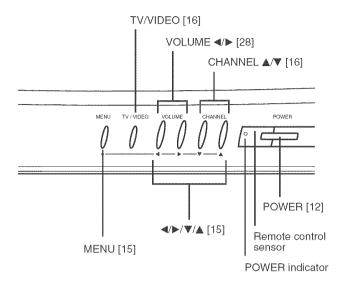
#### Note:

If your Toshiba TV remote control does not operate all of the features of your VCR or cable TV converter, use the original remote control for your other equipment.

# Location of controls on TV and remote control

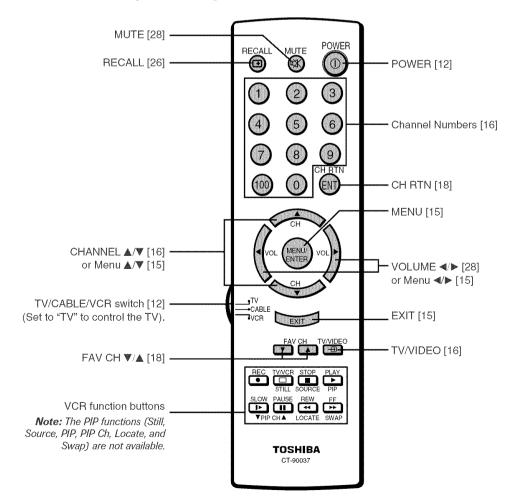
For details on the use of each control, refer to pages in brackets.

# TV front panel



# Remote control

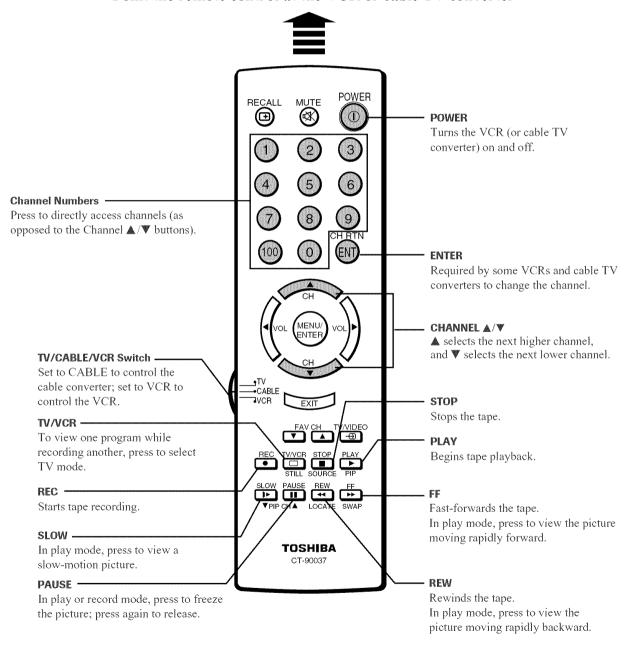
• The shaded buttons in the picture below glow in the dark.



# Using the remote control to operate a VCR or cable TV converter

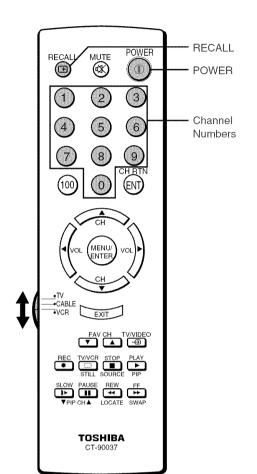
- If you have a non-Toshiba VCR or cable TV converter or a Toshiba device that the remote control is not programmed to operate, you must first program the remote control to recognize your device.
- To use your TV remote control to operate a VCR, set the **TV/CABLE/VCR** switch to VCR. The shaded buttons in the picture below will then operate the VCR instead of the TV.
- To use your TV remote control to operate a cable TV converter, set the **TV/CABLE/VCR** switch to CABLE. The shaded buttons shown in the picture below will then operate the converter instead of the TV.

#### Point the remote control at the VCR or cable TV converter



# Programming the remote control

Your Toshiba TV remote control is preprogrammed to operate most Toshiba brand VCRs and cable TV converters. To program your TV remote control to operate a non-Toshiba device or Toshiba device it is not programmed to operate, follow these steps:



- 1 In the code table on page 14, find the code for your brand of VCR or cable TV converter.
  - If more than one code is listed, try each one separately until you find one that works.
- 2 Set the **TV/CABLE/VCR** switch to VCR (for a VCR), or CABLE (for a cable TV converter).
- While holding down **RECALL**, press the **Channel Number** buttons to enter the 3-digit code for your brand of VCR or converter.
- **4** To test the code, turn the VCR or converter on, point the remote control at it, and press **POWER**.
  - -If the correct code was entered, the VCR or converter will turn off.
  - -If the VCR or converter does not respond, repeat steps 1–4 using another code.
  - -If the VCR or converter does not respond to a different code, you will need to use the remote control that came with your VCR or converter.
- 5 Set the **TV/CABLE/VCR** switch to TV to control the TV.

For future reference, write down the code(s) you used:

VCR Code:

Cable TV Converter Code:

#### Note:

You must reprogram the remote control every time the batteries are changed. Some newer VCRs respond to either of two codes. These VCRs have a switch labeled "VCR1/VCR2." If your VCR has this kind of switch and does not respond to the codes for your VCR brand, set the switch to the other position ("VCR1" or "VCR2") and reprogram the remote control.

# **Device codes**

In some rare cases, you may not be able to operate your other device with your TV remote control. Your other device may use a code that is not recognized by the TV remote control. If this happens, you will need to use the remote control that came with your other device.

#### VCR codes

VCR codes					
Adventura					
Aiko					
Aiwa		000	000	105	004
Akai American High		068,	080,	125,	201
Asha					
Audiovox					
Beaumark					
Bell & Howell	123				
Brandt					
Broksonic		203,	230,	314,	380
Calix					
Canon					
Capehart					
CCE		297			
Citizen	056,	297			
Colt					
Craig				259	
Curtis Mathes		060,	079		
Cybernex		064	207		
Daewoo Daytron		004,	297		
Dynatech	019				
Electrohome					
Electrophonic					
Emerex					
Emerson	019,	021,	056,	062,	080,
	087,	140,	203,	227,	228,
			297,	313,	314,
Fisher	380,	498	005	102	
Fuji			000,	120	
Funai					
Garrard					
GE	054,	079,	084,	221	
Goldstar	037,	056,	057		
Gradiente					
Harley Davidson Harman/Kardon		004			
Harwood					
Headquarter		001			
HI-Q					
Hitachi	060,	061,	084,	124,	185,
	254				
Jensen					
JVC					
Kenwood		060,	086		
KLH Kodak		056			
Lloyd		000			
Lloyd's					
Logik					
LXI	056				
Magnavox		058,	100,	129,	168
Magnin	259	400			
Marantz		100			
Marta Matsushita					
MEI					
Memorex		054.	056.	058.	065.
	066.	067.	123.	259	;
MGA	062,	080	,		
MGN Technology	259				
Minolta			000	001	400
Mitsubishi	062,	080,	086,	094,	192,
Motorola	233,	201			
WIOLUTUIA	U04,	100			

MTC	019,	259			
Multitech	019,	091			
NAD					
NEC	057	059	060,	069	086
Nikko		000,	000,	000,	000
Noblex					
Olympus		~~=		400	
Optimus		067,	077,	123	
Optonica					
Orion	498				
Panasonic	054,	096,	181,	244,	473
Penney	054.	056.	057,	059.	061.
,	073,				
Pentax	061	084,	124		
Philco		,			
Philips		0.01	100,	120	
		001,	100,	120	
Pilot		200			
Pioneer		Ugo			
Portland					
Protec					
Pulsar					
Quarter	065				
Quarts	065				
Quasar	054,	096			
Radio Shack		056,	344		
Radix		000,	W 1 1		
Randex					
		070	004	one	104
RCA			084,	U90,	124,
B F C		168,		000	000
Realistic			056,		
		081,	085,	123,	259
Ricoh	053				
Runco	058				
Samsung	064,	259			
Sanky					
Sansui					
Sanyo			123,	250	
Scott			140,		220
30011			140,	200,	220,
C	230,	201	004	ner	000
Sears	U04,	U06,	061,	000,	066,
0.1	0/3,		123,	124	
Sharp	067,	081			
Shintom					
Shogun	259				
Singer	091				
Sony		052.	053,	054	
STS		,	,		
Sylvania		054	062,	100	129
Symphonic			,	,	+
Tatung		011			
Teac		กลก			
Technics					
			ore	074	
Teknika	019,	054,	Ubb,	0/1	
Telefunken	206				
TMK	227,	259			
Toshiba	062,	064,	085,	229,	231,
	385				
Totevision	056.	259			
Unitech					
Vector					
Vector Research		059			
Video Concepts			กยก		
		UU4,	JUU		
Videosonic	040	05.4	064	nen	067
Wards	019,	004,	UU1,	UDD,	00/,
VD 4000	Udl,	091,	168,	231,	259
XR-1000		U54,	U91		
Yamaha	057		_		
Zenith	052,	053,	058		

# Cable TV converter codes

ABC020, 022, 026, 027, 030,
032, 033, 036, 066 Antronix 041
Archer 041, 058, 172
Belcor
Cabletenna
Cableview 041
Century
Colour Voice
Comtronics 059, 079
Contec 038   Dae Ryung 027
Eastern 021
Focus
Garrard
Gemini 034, 089
General Instrument 030, 295
Goldstar
292
Hitachi
Jasco 172
Jerrold
034, 066, 295 Macom 052
Magnavox 046
Memorex
NSC 089, 175
Oak 026, 038, 267
Panasonic
Philips
049, 050, 172
Pioneer
Pulsar 019
RCA
Regal
Regency 021
Rembrandt
Samsung 059, 163
Scientific Atlanta 025, 027, 036, 296
Signal
SL Marx 059
Sprucer 040 Standard Components 174
Starcom 022, 034, 066
Stargate
Starquest
Teleview 059
Texscan
Toshiba
Tusa 034
Unika 041, 172 United Artists 026
United Cable 022
Universal 041, 058, 075, 172
Viewstar
Zentek 419

# Setting up your TV

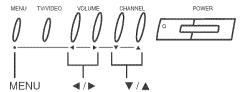
# Menu system (general instructions)

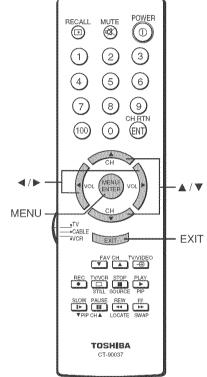
After installing the batteries and programming the remote control, you will need to set some preferences on your TV using the menu system.

You can access the menus using the buttons on the TV front panel or remote control. Following are general instructions for using the menu system:

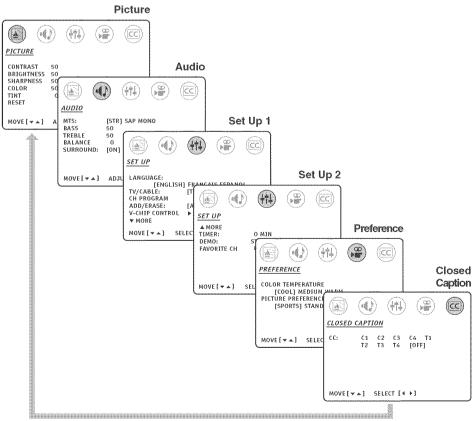
- 1. Repeatedly press **MENU** to select a menu (Picture, Audio, Setup, Preference, or Closed Caption, as shown in the menu system overview, below).
- 2. Press ♥ or ▲ to select the function you want to adjust in the menu (the ▼/▲ buttons function as CHANNEL ▼/▲ buttons when no menu is on-screen).
- 3. Press ◀ or ▶ to adjust the selected function (the ◀/▶ buttons function as VOLUME ◀/▶ buttons when no menu is on-screen).
- 4. When you make a menu selection, your changes occur immediately. You do not have to press **MENU** or **EXIT** to save your changes. **Note:** The TV front panel does not have an EXIT button.
- On-screen menus close automatically if no adjustments are made within 15 seconds. To close an on-screen menu instantly, press EXIT on the remote control.

#### **TV Front Panel**





# Menu system overview



# Changing the on-screen display language

You can choose from three different languages (English, French, or Spanish) for the on-screen display of menus and messages.

#### To select an on-screen display language:

- 1. Press MENU.
- 2. Press ◀or ▶ until the SET UP menu appears.
- 3. Press ▲ or ▼ to highlight LANGUAGE.
- 4. Press ◀ or ▶ to highlight your desired language.



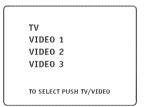


# Selecting the signal source

Use the **TV/VIDEO** button on the remote control or TV to select the signal source connected to your TV.

#### To change the signal source:

Repeatedly press **TV/VIDEO** to select either TV, VIDEO 1, VIDEO 2, or VIDEO 3. The selected signal source is highlighted on-screen.



To verify the signal source:

Press RECALL.

# Programming channels into the TV's memory

When you press **CHANNEL**  $\blacktriangle \blacktriangledown$  on the TV or remote control, the TV stops only on the channels stored in the TV's memory.

**Note:** To tune the TV to a channel not programmed into the memory, use the **CHANNEL NUMBERS** on the remote control.

Follow the steps below and on the next page to program channels into the TV's memory.

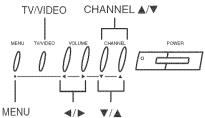
# **Programming channels automatically**

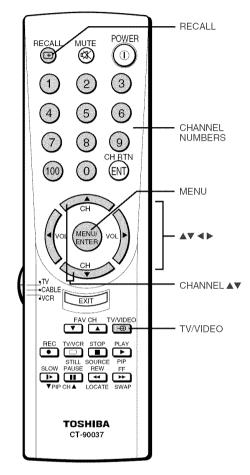
Your TV can automatically detect all active channels in your area and store them in the TV's memory. After the channels are stored automatically, you can manually add or erase individual channels (see page 17).

#### To program channels automatically:

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the SET UP menu.

# TV Front Panel





- 3. Press ▲ or ▼ to highlight TV/CABLE.
- 4. Press ◀ or ▶ to highlight TV (if you use an antenna) or CABLE (if you use cable).
- 5. Press ▼ to highlight CH PROGRAM.





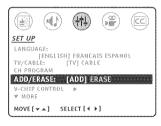
- 6. Press ◀ or ▶ to start automatic channel programming ("CH PRO-GRAM" displays on-screen). The TV automatically cycles through every TV or cable channel (depending on which you selected), and stores all active channels in the TV's memory.
- 7. When automatic channel programming is complete, the message "CH Programming Completed" appears.
- 8. Press **CHANNEL** ▲▼ to view the programmed channels.

# Adding and erasing channels manually

After you have automatically programmed the channels into the TV's memory, you can manually add and erase individual channels.

#### To add or erase a channel in the TV's memory:

- Tune the TV to the channel you want to add or erase. If you are adding a channel, you will need to use the CHANNEL NUMBERS to select the channel.
- 2. Press MENU.
- 3. Press ◀ or ▶ to highlight the SET UP menu.
- 4. Press ▲ or ▼ to highlight ADD/ERASE.



- 5. Press ◀ or ▶ to highlight ADD or ERASE, whichever function you want to perform.
- 6. Press **MENU**.
- 7. Repeat steps 1–6 for other channels you want to add or erase, or press **EXIT** to return to normal TV viewing.

# Changing channels

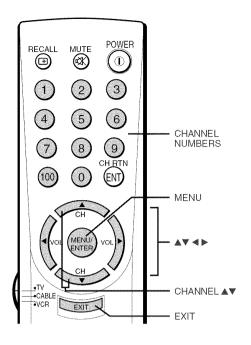
To change to the next programmed channel:

Press CHANNEL AV.

To change to a specific channel (programmed or unprogrammed):

Press the **CHANNEL NUMBERS** (0–9 and 100).

**Note:** For channels 100 and higher, press the 100 button, and then the next two channel numbers (for example, to select channel 100, press 100, 0, 0; to select channel 125, press 100, 2, 5).



# Using the TV's features

# Adjusting the channel settings

# Switching between two channels

You can switch between two channels without entering an actual channel number each time.

#### To switch between two channels:

- 1. Select the first channel you want to view.
- 2. Select a second channel using the **CHANNEL NUMBERS** (0–9 and 100).
- 3. Press **CH RTN** (channel return). The previous channel will display. Every time you press **CH RTN**, the TV will switch back and forth between the last two channels you tuned the TV to.

# Programming your favorite channels

The Favorite Channel feature allows you to use the **FAV CH ▼▲** buttons on the remote control to cycle through your favorite channels, skipping over channels you do not normally watch. You can program a maximum of 12 favorite channels.

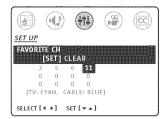
**Note:** You can still use **CHANNEL** ▲▼ to cycle through all the channels you previously programmed into the TV's memory (see "Programming channels in to the TV's memory" on page 16).

#### To program your favorite channels:

- Tune the TV to a channel you want to program as a favorite channel.
- 2. Press MENU.
- 3. Press ◀ or ▶ to highlight the SET UP menu.
- 4. Press ▲ or ▼ to highlight FAVORITE CH.

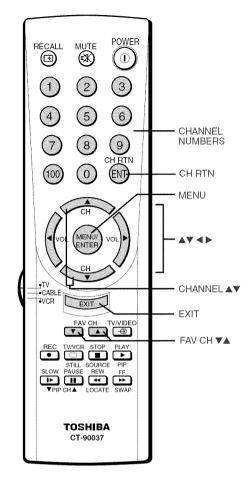


- 5. Press ◀ or ▶ to display the FAVORITE CH menu.
- 6. Press ◀ or ▶ to highlight SET.
- 7. Press v to add the current channel to the list.
- 8. Press **EXIT**.



9. Repeat steps 1-8 for up to 12 channels.

(Continued on next page)



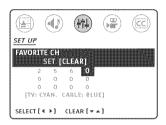
#### To select your favorite channels:

Press **FAV CH VA** on the remote control to cycle through the favorite channels you programmed.

**Note:** The **FAV CH ▼** buttons will not work unless you program at least one favorite channel.

#### To clear a favorite channel:

- 1. Tune the TV to the channel you want to clear from your favorite channel list.
- 2. Press MENU.
- 3. Press ◀ or ▶ to highlight the SET UP menu.
- 4. Press ▲ or ▼ to highlight FAVORITE CH.
- 5. Press ◀ or ▶ to display the FAVORITE CH menu.
- 6. Press ◀ or ▶ to highlight CLEAR.



- 7. Press ▼ to clear the current channel number from the list.
- 8. Press **EXIT**.
- Repeat steps 1–8 for other channels you want to clear from your favorite channel list.

# Using the V-Chip Control (blocking) feature

You can use the V-Chip Control feature to block certain programs or channels, to prevent others from viewing them.

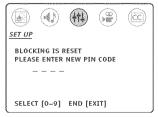
# Selecting a PIN code

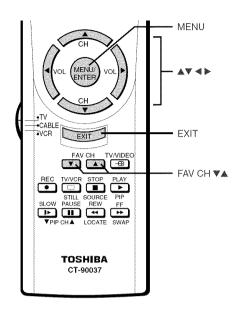
Before you can block programs or channels, you must select a personal identification number (PIN) code. Your PIN code allows you to access the V-Chip Control menu, and prevents others from changing the rating and blocking limits you set.

# To select your PIN code and access the V-Chip Control menu:

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the SET UP menu.
- 3. Press ▲ or ▼ to highlight V-CHIP CONTROL.
- 4. Press ◀ or ▶ to display the new PIN code entering screen.



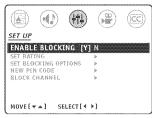




#### Note:

The V-Chip function is available only for the U.S. V-Chip system. The Canadian V-Chip system is not supported.

5. Use the **CHANNEL NUMBERS** (0–9) to enter your four-digit PIN code. After the code is entered, the V-Chip Control menu appears.



V-Chip Control (Blocking) Menu

- 6. Press ▲ or ▼ to highlight ENABLE BLOCKING.
- 7. Press ◀ or ▶ to highlight "Y," which enables all blocking by activating the V-Chip. See "Blocking programs by ratings" on page 21, "Blocking unrated movies and programs" on page 23.

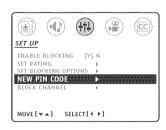
**Note:** The "Blocking channels" feature (page 24) is not affected by the "Enable Blocking" setting.

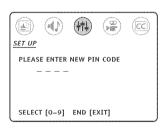
#### To disable blocking:

Highlight "N" in step 7, above, to deactivate the V-Chip Control feature and disable blocking.

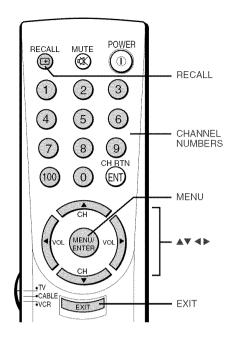
### Changing your PIN code

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the SET UP menu.
- 3. Press ▲ or ▼ to highlight V-CHIP CONTROL.
- 4. Press ◀ or ▶ to display the PIN code entering screen.
- 5. Use the Channel Number buttons (0–9) to enter your existing PIN code. After the code is entered, the V-Chip Control menu appears.
- 6. Press ▲ or ▼ to highlight NEW PIN CODE.
- 7. Press ◀ or ▶ to display the New PIN Code entering screen.



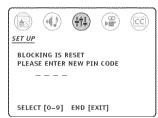


- 8. Use the **CHANNEL NUMBERS** (0–9) to enter a new PIN code. After the new code is entered, the V-Chip Control menu appears.
- 9. Press **EXIT** to return to normal TV viewing.



# If you forget your PIN code

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the SET UP menu.
- 3. Press ▲ or ▼ to highlight V-CHIP CONTROL.
- 4. Press ◀ or ▶ to display the PIN code entering screen.
- 5. While the PIN code entering screen is displayed, press **RECALL** four times within five seconds. The "Blocking Is Reset" screen appears.



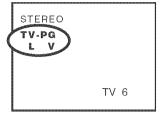
- 6. Use the **CHANNEL NUMBERS** (0–9) to enter a new PIN code. After the new code is entered, the V-Chip Control menu appears.
- Press **EXIT** to return to normal TV viewing.

# **Blocking programs by ratings**

The Motion Picture Association of America (MPAA) uses a rating system to qualify motion picture content. Television broadcasters employ a similar rating system to qualify the content of television programs. The MPAA, Youth TV, and TV ratings work with the V-Chip feature to allow you to block access to programs that exceed the rating limits you set.

#### Note:

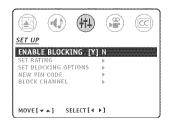
Press **RECALL** to see the rating of the program you are viewing. Not all programs are rated, however. To block programs or movies that are not rated, see "Blocking unrated movies and programs" on page 23.

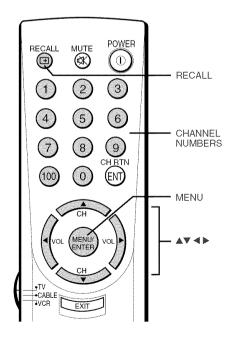


	Ratings o	definitions	
MPAA R X NC17 R PG13	For adults only.  Not intended for anyone 17 or under.  Restricted. Under 17 requires an accompanying parent or adult guardian.  Parents strongly cautioned. Some material may not be appropriate for children under 13.	TV Ratin	Mature audience only. This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.  Dialog Intensely suggestive dialog Language Crude or indecent language Sex Explicit sexual activity
PG G <b>Youth TV</b> Y7 Y7FV	Directed to older children. Programs rated Y7 are designed for children 7 and above. Programs rated	14	Violence Graphic violence  Parents strongly cautioned. This program contains some material that many parents would find unsuitable for children under 14 years of age.  Dialog Frequent suggestive dialog  Language Frequent coarse language  Sex Intense sexual situations  Violence Intense violence
Υ	Y7FV contain fantasy violence that may be more intense or combative than Y7-rated programs.  For all children. Programs rated Y are designed to be appropriate for all children.	PG	Parental guidance suggested. This program contains material that parents may find unsuitable for younger children.  Dialog Some suggestive dialog  Language Occasional coarse language  Sex Some sexual situations  Violence Moderate violence
		G No DLSV	General audience. Most parents would find this program suitable for all ages. Programs without any Dialog, Language, Sex, or Violence ratings.

#### To block programs by rating:

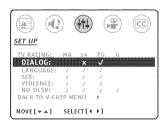
- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the SET UP menu.
- 3. Press ▲ or ▼ to highlight V-CHIP CONTROL.
- 4. Press ◀ or ▶ to display the PIN code entering screen.
- 5. Use the **CHANNEL NUMBERS** (0–9) to enter your four-digit PIN code. After the code is entered, the V-Chip Control menu appears.
- 6. Press ▲ or ▼ to highlight ENABLE BLOCKING.
- 7. Press ◀ or ▶ to highlight "Y," which enables all blocking by activating the V-Chip. (**Note:** Highlight "N" to deactivate the V-Chip Control feature and disable blocking.)





- 8. Press ▲ or ▼ to highlight SET RATING.
- 9. Press **◄** or **▶** to display the Set Rating menu.
- 10. Press ▲ or ▼ to highlight MPAA Rating, Youth TV Rating, or TV Rating.
- 11. Press ▶ to select (or ◀ to deselect) the ratings to be blocked. Blocked ratings will be marked with "x"; unblocked ratings will will be marked with "√." All ratings higher than the ones that are selected are blocked as well. For example, if you block the MPAA rating R, programs with the higher ratings NC17 and X also will be blocked.





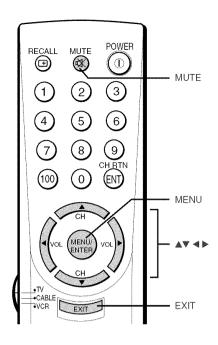
- 12. When you finish selecting the program ratings to be blocked:
  - To return to the V-Chip menu, press ▲ or ▼ to highlight BACK TO V-CHIP MENU, and then press ◀ or ▶.
  - To return to normal TV viewing, press **EXIT**.

# Unblocking programs temporarily

When you try to view a program with a ratings block, a message appears stating that the program has been blocked because the program's rating exceeds the set limits. To temporarily override the block and view the program, press **MUTE** and enter your PIN code. To reset your original ratings blocks, turn the TV off and then on again.

THIS PROGRAM HAS BEEN BLOCKED!
TV-PG L V
EXCEEDS SET LIMITS
PUSH MUTE TO ENTER PIN





#### Note:

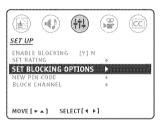
After unblocking programs temporarily, all programs will be unblocked until the TV is turned off. The TV will enter blocked mode when it is turned on again.

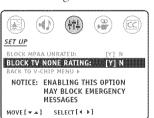
# **Blocking unrated movies and programs**

Some movies and programs are not rated. You can use the V-Chip Control feature to block unrated movies and programs.

#### To block unrated movies and programs:

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the SET UP menu.
- 3. Press ▲ or ▼ to highlight V-CHIP CONTROL.
- 4. Press ◀ or ▶ to display the PIN code entering screen.
- 5. Use the **CHANNEL NUMBERS** (0–9) to enter your four-digit PIN code. After entering the code, the V-Chip Control menu appears.
- 6. Press ▲ or ▼ to highlight ENABLE BLOCKING.
- 7. Press ◀ or ▶ to highlight "Y," which enables all blocking by activating the V-Chip. (**Note:** Highlight "N" to deactivate the V-Chip feature and disable blocking.)
- 8. Press ▲ or ▼ to highlight SET BLOCKING OPTIONS.
- 9. Press ◀ or ▶ to display the unrated movie/program blocking menu.
- 10. Press ▲ or ▼ to highlight BLOCK MPAA UNRATED (to block unrated movies) or BLOCK TV NONE RATING (to block unrated TV programs).
- 11. Press ◀ or ▶ to highlight "Y" to block movies/programs rated "TV None." (**Note:** Highlight "N" to unblock unrated programs.)
- 12. Press **EXIT** to return to normal TV viewing.





#### Note:

Blocking unrated TV programs (those rated "TV NONE") also may block emergency messages.

**POWER** 

 $\Box$ 

(6)

(9)

(ENT)

CHANNEL NUMBERS

MENU

EXIT

MUTE

(3)

(0)

RECALL

⊞

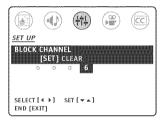
-CABLE

# **Blocking channels**

You can block a maximum of four TV channels and four cable channels. Blocked channels cannot be viewed, regardless of their programs' ratings. If you try to tune the TV to a blocked channel, the nearest unblocked channel will display.

#### To block a channel:

- 1. Tune the TV to the channel you want to block.
- 2. Press MENU.
- 3. Press ◀ or ▶ to highlight the SET UP menu.
- 4. Press ▲ or ▼ to highlight V-CHIP CONTROL.
- 5. Press ◀ or ▶ to display the PIN code entering screen.
- 6. Use the **CHANNEL NUMBERS** (0–9) to enter your four-digit PIN code. After entering the code, the V-Chip Control menu appears.
- 7. Press ▲ or ▼ to highlight BLOCK CHANNEL.
- 8. Press ◀ or ▶ to display the BLOCK CHANNEL menu. SET/CLEAR will be highlighted.
- 9. Press **◄** or **▶** to highlight SET.
- 10. Press ▼ to add the current channel to the list.

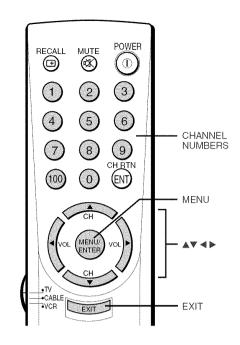


- 11. Press **EXIT**.
- 12. Repeat steps 1-11 to block additional channels.

#### To unblock all blocked channels:

**Note:** This will unblock every channel you have blocked. You cannot unblock individual channels.

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the SET UP menu.
- 3. Press ▲ or ▼ to highlight V-CHIP CONTROL.
- 4. Press ◀ or ▶ to display the PIN code entering screen.
- 5. Use the **CHANNEL NUMBERS** (0–9) to enter your four-digit PIN code. After entering the code, the V-Chip Control menu appears.
- 6. Press ▲ or ▼ to highlight BLOCK CHANNEL.
- 7. Press ◀ or ▶ to display the BLOCK CHANNEL menu. SET/CLEAR will be highlighted.
- 8. Press **◄** or **▶** to highlight CLEAR.
- 9. Press ▼ to clear all blocked channels from the list.
- 10. Press EXIT.



#### Note:

After programming CHANNEL BLOCK, tune the TV to a channel that is not blocked before turning off the TV.

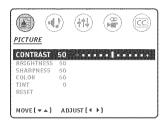
# Adjusting the picture

# Adjusting the picture quality

You can adjust the picture's contrast, brightness, sharpness, color, and tint. Your picture quality adjustments are stored automatically in the TV's memory. You can keep these settings or choose preset options in the PREFERENCE menu (see "Selecting the color temperature" below, and "Adjusting the picture preference" on the next page.)

### To adjust the picture quality:

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the PICTURE menu.
- 3. Press ▲ or ▼ until the quality you want to adjust is highlighted.



#### Note:

To reset the picture (and audio) adjustments to the factory settings, select RESET in the PICTURE menu, and then press .

4. Press ◀ or ▶ to adjust the level, as described in the following table:

Selection	◀ Pres	ssing 🕨
Contrast	Lower	Higher
Brightness	Darker	Lighter
Sharpness	Softer	Sharper
Color	Paler	Deeper
Tint	Reddish	Greenish

#### Selecting the color temperature

Change the picture quality by selecting from three preset color temperatures—cool, medium, and warm.

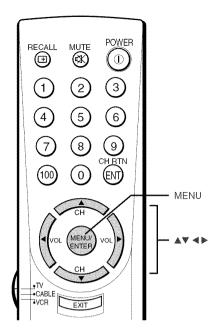
#### To select the color temperature:

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the PREFERENCE menu.
- 3. Press ▲ or ▼ to highlight COLOR TEMPERATURE.



4. Press ◀ or ▶ to highlight the mode you prefer, as described in the following table:

Mode	Picture Quality
Cool	Blueish
Medium	Neutral
Warm	Reddish



# Adjusting the picture preference

You can select from four picture modes—Sports, Standard, Movie, and Memory.

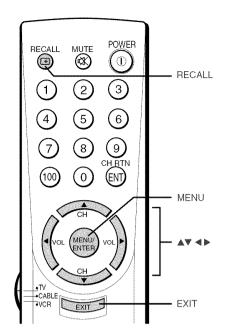
#### To adjust the picture preference:

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the PREFERENCE menu.
- 3. Press ▲ or ▼ to highlight PICTURE PREFERENCE.



4. Press ◀ or ▶ to highlight the mode you prefer, as described in the following table:

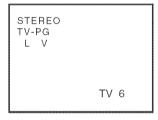
Mode	Picture Quality
Sports	Bright and dynamic picture (factory-set)
Standard	Standard picture quality (factory-set)
Movie	Movie-like picture setting (factory-set)
Memory	Your personal preferences (set by you; see Adjusting the picture quality" on previous page)



# Displaying on-screen information

Press **RECALL** to display the following information on-screen:

- Audio status (stereo or SAP)
- Rating of current program (if rated)
- · Channel number or video mode



# Setting the off timer

The off timer automatically turns off the TV after a set amount of time.

# To set the off timer:

- 1. Press **MENU**.
- 2. Press ◀or ▶ to highlight the SETUP menu.
- 3. Press ▲ or ▼ to highlight TIMER.
- 4. Press ▶ to increase (or ◀ to decrease) the amount of time until the TV turns off automatically (in 10-minute increments, to a maximum of 180).
- 5. Press **EXIT** to exit the menu and return to normal TV viewing.



#### To cancel the off timer:

Set the off timer to 0 (zero) minutes in step 4 above, or turn off the TV.

# Auto power off

The TV turns off automatically after approximately 15 minutes if it is tuned to a vacant channel or a station that stops broadcasting for the day.

Note: The auto power off feature does not work in VIDEO mode.

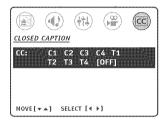
# Using the closed caption feature

The Closed Caption feature has two options:

- Captions—An on-screen display of the dialogue, narration, and sound effects of programs and videos that are closed-captioned (usually identified in your local TV listing as "CC").
- Text—An on-screen display of information not related to the program, such as weather or stock data (if available in your viewing area).

#### To view captions or text:

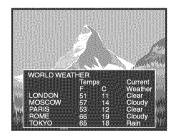
- 1. Tune the TV to the desired program.
- 2. Press **MENU**, and then press ◀ or ▶ to highlight the CLOSED CAPTION menu.
- 3. Press ▲ or ▼ to highlight CC.



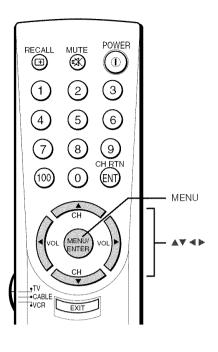
- - To view captions, select C1, C2, C3, or C4 (C1 displays translation of the primary language in your area). **Note:** If the program or video you selected is not closed-captioned, no captions will display on-screen.



• To view text, select T1, T2, T3, or T4. **Note:** If text is not available in your viewing area, a black rectangle may appear on-screen. If this happens, set the Closed Caption feature to OFF.



• To turn off the Closed Caption feature, highlight OFF in the Closed Caption menu.



#### Note:

A closed caption signal may not display in the following situations:

- when a videotape has been dubbed
- · when the signal reception is weak
- · when the signal reception is non-standard

# Adjusting the sound

# Muting the sound

Press **MUTE** to temporarily turn off the sound. While the sound is off, the screen displays the word "MUTE" in the lower right corner. To restore the sound, press **MUTE** or **VOL \| \blacktrianglerightarrow**.

When you press **MUTE**, the Closed Caption feature is automatically activated. To deactivate captions and restore normal sound, press **MUTE** again. This feature works only when the Closed Caption mode is set to OFF. For more information about closed caption settings, see "Using the closed captioned feature" on page 27.

# Selecting stereo/SAP broadcasts

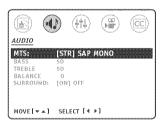
The multi-channel TV sound (MTS) feature provides high-fidelity stereo sound. MTS also can transmit a second audio program (SAP) containing a second language or other audio information.

Note: The MTS feature is not available in VIDEO mode.

When the TV receives a stereo or SAP broadcast, the word "STEREO" or "SAP" displays on-screen every time you turn the TV on, change the channel, or press **RECALL**.

#### To listen to stereo sound:

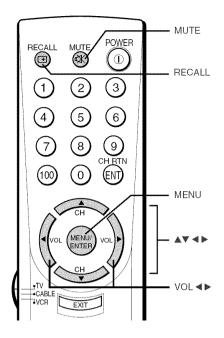
- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the AUDIO menu.
- 3. Press ▲ or ▼ to highlight MTS.
- Press ◀ or ▶ to highlight STR (stereo).
   Note: If the stereo sound is noisy, select MONO to reduce the noise.



**Note:** In general, if you leave the TV in stereo (STR) mode, the TV will automatically output the type of sound being broadcast (stereo or mono).

#### To listen to a second audio program (SAP):

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the AUDIO menu.
- 3. Press ▲ or ▼ to highlight MTS.
- 4. Press ◀ or ▶ to highlight SAP. The TV speakers will output the second audio program (if available), instead of normal audio.

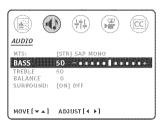


# Adjusting the sound quality

You can change the sound quality of your TV by adjusting the bass, treble, and balance.

#### To adjust the sound quality:

- 1. Press MENU.
- 2. Press **◄** or **▶** to highlight the AUDIO menu.
- 3. Press ▲ or ▼ to highlight the quality you want to adjust (BASS, TREBLE, or BALANCE).
- 4. Press ◀ or ▶ to adjust the level:
  - • makes the sound quality weaker or increases the balance in the right channel, depending on the item selected.
  - makes the sound quality stronger or increases the balance in the left channel, depending on the item selected.



#### Using the surround sound feature

The surround sound feature expands the audio listening field wider and deeper to create exceptional sound quality from the TV speakers. This feature uses stereo signals from a TV broadcast or video input.

#### To turn surround sound on:

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the AUDIO menu.
- 3. If you have not already done so, select STEREO mode (press ▲ or ▼ to highlight MTS, and then press ◄ or ▶ to highlight STR).
- 4. Press ▲ or ▼ to highlight SURROUND.
- 5. Press ◀ or ▶ to highlight ON.



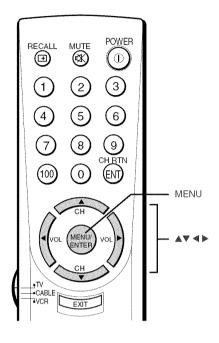
#### To turn surround sound off:

Highlight OFF in step 5 above.

**Note:** In general, if you leave the surround sound feature ON, the TV will automatically output the type of sound being broadcast (surround stereo or mono).

#### Note:

To reset the audio adjustments (bass, treble, and balance) to the factory settings, select RESET in the PICTURE menu (see note on page 25).



# Viewing the demonstration (DEMO) mode

The DEMO mode automatically demonstrates several features of your TV.

#### To start the DEMO mode:

- 1. Press MENU.
- 2. Press ◀ or ▶ to highlight the SET UP menu.
- 3. Press ▲ or ▼ to highlight DEMO.



- 4. Press ◀ or ▶ to highlight START.
- 5. Press **MENU** to start the demo.

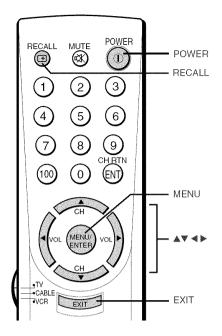
### To stop the DEMO mode:

Press RECALL, EXIT, or POWER.

# Understanding the last mode memory feature

If the power is cut off while you are viewing the TV, the Last Mode Memory feature automatically turns on the TV when the power is resupplied.

If the power is going to be off for a long time and you are going to be away from your TV, unplug the power cord to prevent the TV from turning on in your absence.



# **Appendix**

# **Specifications**

Television system NTSC standard

Channel coverage VHF: 2 through 13 UHF: 14 through 69

Cable TV: mid band (A-8 through A-1, A through I)

super band (J through W)

hyper band (AA through ZZ, AAA, BBB) ultra band (65 through 94, 100 through 125)

Power source 120V AC, 60Hz

Power consumption 92W (average)

5W + 5WAudio power

Speaker type 2-3/8 x 4-3/4 inches (60 x 120 mm)

Audio/Video terminals S-VIDEO INPUT

> Y-INPUT: 1V (p-p), 75 ohm, negative sync. C-INPUT: 0.286V (p-p) (burst signal), 75 ohm

AUDIO/VIDEO INPUT

VIDEO: 1V(p-p), 75 ohm, negative sync.

AUDIO: 150mV(rms) (30% modulation equivalent, 47k ohm)

ColorStream® (component video) INPUT

Y: 1V (p-p), 75 ohm C<sub>R</sub> (P<sub>R</sub>): 0.7 V (p-p), 75 ohm Св (Рв): 0.7 V (p-p), 75 ohm AUDIO/VIDEO OUTPUT

VIDEO: 1V(p-p), 75 ohm, negative sync.

AUDIO: 150mV(rms) (30% modulation equivalent, 4.7k ohm)

Dimensions Width 38-3/16 inches (970mm)

29-9/16 inches (751mm) Height Depth 24-1/4 inches (616mm)

Mass 193 lbs (87.5kg)

Supplied accessories Remote Control with 2 size "AA" batteries

Design and specifications are subject to change without notice.

# **Troubleshooting**

Before calling service personnel, please check the following chart for a possible cause of the problem you are experiencing. A minor adjustment on your part may eliminate the problem and restore your TV reception.

Problem	Checks and Adjustments
TV will not turn on	<ul> <li>Make sure the power cord is plugged in, and then press <b>POWER</b>.</li> <li>The remote control batteries may be dead. Replace the batteries.</li> </ul>
No picture, no sound	Check the antenna/cable connections.
No sound, picture OK	<ul> <li>The sound may be muted. Press <b>VOLUME</b> ►.</li> <li>The station may have broadcast difficulties. Try another channel.</li> <li>Make sure the MTS feature is set correctly.</li> </ul>
Poor sound, picture OK	<ul> <li>The station may have broadcast difficulties. Try another channel.</li> <li>An appliance near the TV may be causing interference. Move or turn off the appliance.</li> </ul>
Poor picture, sound OK	<ul> <li>Check the antenna/cable connections.</li> <li>The station may have broadcast difficulties. Try another channel.</li> <li>An appliance near the TV may be causing interference. Move or turn off the appliance.</li> <li>Adjust the Picture menu.</li> </ul>
Poor reception of broadcast channels	<ul> <li>The station may have broadcast difficulties. Try another channel.</li> <li>Check the antenna connections.</li> <li>If using a VCR, make sure the TV/VCR button is set correctly.</li> </ul>
No UHF, VHF OK	<ul> <li>Make sure the TV/CABLE function is set to the mode that corresponds to the signal source type (cable company or outside antenna).</li> </ul>
Black box appears on the screen	<ul> <li>The Closed Caption Text feature (T1, T2, T3, or T4) may be on.</li> <li>Set the Closed Caption feature to OFF.</li> </ul>
Cannot select a certain channel	<ul> <li>The channel may be blocked by the BLOCK CHANNEL function. Unblock the channel.</li> <li>The channel may have been erased from the channel memory by the ADD/ERASE function. Reprogram the channel into channel memory or use the <b>Channel Numbers</b> to select the channel.</li> </ul>
Multiple images (ghosts)	<ul> <li>The station may have broadcast difficulties. Try another channel.</li> <li>Antenna reception may be poor. Use a highly directional outdoor antenna.</li> </ul>
Poor color or no color	<ul> <li>The station may have broadcast difficulties. Try another channel.</li> <li>An appliance near the TV may be causing interference. Move or turn off the appliance.</li> <li>Adjust the TINT and/or COLOR in the Picture menu.</li> <li>If you change the direction of the TV while the TV is on, the picture may suffer from color shading. Turn off the TV and allow it to cool for about 30 minutes; then turn it on again.</li> </ul>
No stereo or SAP sound from an MTS broadcast	Make sure the MTS feature is set correctly.
The remote control does not operate	<ul> <li>Make sure the TV/CABLE/VCR switch is set correctly.</li> <li>There may be an obstruction between the remote control and the TV. Remove the obstruction and retry the remote control.</li> <li>The remote control batteries may be dead. Replace the batteries.</li> </ul>

# **Limited United States Warranty**

# for 27" FST PURE® and All Larger Television Models

Toshiba America Consumer Products, L.L.C. ("TACP") makes the following limited warranties to original consumers in the United States. THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS TELEVISION AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

PRODUCTS PURCHASED IN THE U.S.A. AND USED IN CANADA ARE NOT COVERED BY THESE WARRANTIES.

PRODUCTS PURCHASED IN CANADA AND USED IN THE U.S.A. ARE NOT COVERED BY THESE WARRANTIES.

#### Limited One (1) Year Warranty on Parts and Labor\*

TACP warrants this television and its parts against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR. TACP Authorized Service Station personnel will come to your home when warranty service is required. Depending on the type of repair required, either the service will be performed in your home or the set will be taken to the TACP Authorized Service Station for repair and returned to your home at no cost to you.

#### Limited Two (2) Year Warranty on Picture Tube\*

TACP further warrants the picture tube in this television against defects in materials or workmanship for a period of two (2) years after the date of original retail purchase. DURING THIS PERIOD, TACP WILL, AT TACP'S OPTION, REPAIR OR REPLACE A DEFECTIVE PICTURE TUBE WITH A NEW OR REFURBISHED PICTURE TUBE WITHOUT CHARGE TO YOU, EXCEPT THAT, IF A DEFECTIVE PICTURE TUBE IS REPAIRED OR REPLACED AFTER ONE (1) YEAR FROM THE DATE OF THE ORIGINAL RETAIL PURCHASE, YOU PAY LABOR CHARGES INVOLVED IN THE REPAIR OR REPLACEMENT.

#### **Rental Units**

The warranty for rental units begins with the date of first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first.

#### \*Commercial Units

Televisions sold and used for commercial purposes have a limited ninety (90) day warranty for all parts, labor, and picture tubes.

#### **Owner's Manual and Product Registration Card**

Read this owner's manual thoroughly before operating this television. Complete and mail the enclosed product registration card within ten days after you, or the person who has given you this product as a gift, purchased this television. Returning the product registration card will enable TACP to provide you with better customer service and improved product support. Failure to return the product registration card will not affect your rights under this warranty.

#### Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

- (1) You must provide your bill of sale or other proof of purchase.
- (2) All warranty servicing of this television must be made by an Authorized TACP Service Station.
- (3) The warranties from TACP are effective only if the television is purchased and operated in the U.S.A. or Puerto Rico.

- (4) Labor service charges for set installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by these warranties. Reception problems caused by inadequate antenna systems are your responsibility.
- (5) Warranties extend only to defects in materials or workmanship as limited above and do not extend to any television or parts that have been lost or discarded by you or to damage to television or parts caused by misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TACP; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

#### **How to Obtain Warranty Services**

If, after following all of the operating instructions in this manual and checking the "Troubleshooting" section, you find that service is needed:

- Visit TACP's web site at www.toshiba.com/tacp or call toll free 1-800-631-3811 to find the nearest TACP Authorized Service Station.
- (2) Present your bill of sale or other proof of purchase to the Authorized Service Station. Authorized TACP Service Station personnel will come to your home when warranty service is required. Depending on the type of repair required, either the service will be performed in your home or the set will be taken to the Authorized Service Station for repair and returned to your home at no cost to you.

For additional information, visit TACP's web site: www.toshiba.com/tacp.

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# **Limited Canada Warranty**

# for 27" FST PURE® and All Larger Television Models

If you purchased your TV in Canada, register it online at www.toshiba.ca

Toshiba of Canada Limited ("TCL") makes the following limited warranties to original consumers in Canada.

THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS TELEVISION AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

PRODUCTS PURCHASED IN THE U.S.A. AND USED IN CANADA ARE NOT COVERED BY THESE WARRANTIES.

PRODUCTS PURCHASED IN CANADA AND USED IN THE U.S.A. ARE NOT COVERED BY THESE WARRANTIES.

#### Limited One (1) Year Warranty on Parts and Labor\*

TCL warrants this television and its parts against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TCL WILL, AT TCL'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR. TCL Authorized Service Depot personnel will come to your home when warranty service is required. Depending on the type of repair required, either the service will be performed in your home or the set will be taken to the TCL Authorized Service Depot for repair and returned to your home at no cost to you. IN-HOME SERVICE ONLY APPLIES WITHIN 100 KILOMETERS OF AN AUTHORIZED TCL SERVICE DEPOT.

#### Limited Two (2) Year Warranty on Picture Tube\*

TCL further warrants the picture tube in this television against defects in materials or workmanship for a period of two (2) years after the date of original retail purchase. DURING THIS PERIOD, TCL WILL, AT TCL'S OPTION, REPAIR OR REPLACE A DEFECTIVE PICTURE TUBE WITH A NEW OR REFURBISHED PICTURE TUBE WITHOUT CHARGE TO YOU, EXCEPT THAT, IF A DEFECTIVE PICTURE TUBE IS REPAIRED OR REPLACED AFTER ONE (1) YEAR FROM THE DATE OF THE ORIGINAL RETAIL PURCHASE, YOU PAY LABOR CHARGES INVOLVED IN THE REPAIR OR REPLACEMENT.

#### Rental Units

The warranty for rental units begins with the date of first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first.

#### \*Commercial Units

Televisions sold and used for commercial purposes have a limited ninety (90) day warranty for all parts, labor, and picture tubes.

#### Owner's Manual

Read this owner's manual thoroughly before operating this television.

#### Your Responsibility

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

- (1) You must provide your bill of sale or other proof of purchase.
- (2) All warranty servicing of this television must be made by an Authorized TCL Service Depot.
- (3) The warranties from TCL are effective only if the television is purchased in Canada from an authorized TCL dealer and operated in Canada.
- (4) Labor service charges for set installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by these warranties. Reception

- problems caused by inadequate antenna systems are your responsibility.
- (5) Warranties extend only to defects in materials or workmanship as limited above and do not extend to any television or parts that have been lost or discarded by you or to damage to television or parts caused by misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TCL; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

#### **How to Obtain Warranty Services**

If, after following all of the operating instructions in this manual and checking the "Troubleshooting" section, you find that service is needed:

- To find the nearest TCL Authorized Service Depot, visit TCL's web site: www.toshiba.ca.
- (2) Present your bill of sale or other proof of purchase to the Authorized Service Depot. Authorized TCL Service Depot personnel will come to your home when warranty service is required. Depending on the type of repair required, either the service will be performed in your home or the set will be taken to the Authorized Service Depot for repair and returned to your home at no cost to you. IN-HOME SERVICE ONLY APPLIES WITHIN 100 KILOMETERS OF AN AUTHORIZED TCL SERVICE DEPOT.

For additional information, visit TCL's web site: www.toshiba.ca

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TORONTO: 191 McNABB STREET, MARKHAM, ONTARIO L3R 8H2, CANADA – TEL: (905) 470-5400 MONTREAL: 18050 TRANS CANADA, KIRKLAND, QUEBEC, H9J 4A1, CANADA – TEL: (514) 390-7766 VANCOUVER: 22171 FRASERWOOD WAY, RICHMOND, B.C., V6W 1J5, CANADA – TEL: (604) 303-2500

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