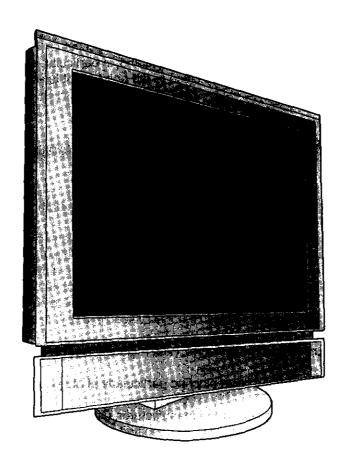


# **Panasonic**®

# 15.2"LCD TV Operating Instructions

Model No.

**TC-15LT1** 



For assistance, please call: 1-800-211-PANA (7262)

or send e-mail to : consumerproducts@panasonic.com

or visit us at www.panasonic.com

(U.S.A)

For assistance, please call: 787-750-4300

(Puerto Rico)

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

# **Important Safety Instructions**



### **CAUTION**

RISK OF ELECTRIC SHOCK
DO NOT OPEN





The lightning flash with arrow-head within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.



The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

**Note to CATV System Installer:** This reminder is provided to direct the CATV 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 cable entry as practical.

#### Important Safety Instructions for LCD TV

- 1) Read these instructions and apply them with your LCD TV.
- 2) Keep these instructions.
- Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water. For example: Avoid placing it near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
- 6) Clean only with dry cloth. Unplug this LCD V from the wall outlet before cleaning. Do not use liquid or aerosol cleaners.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to insure reliable operation of the LCD TV and to protect it from overheating. These openings must not be blocked or covered. There should be at least 10 cm of space from these openings. The openings should never be blocked by placing the LCD TV on a bed, sofa, rug or other similar surface. This LCD TV should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 10) Only use attachments/accessories specified by the manufacturer. Otherwise if may cause hazards.
- 11) 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 injure from tip-over.



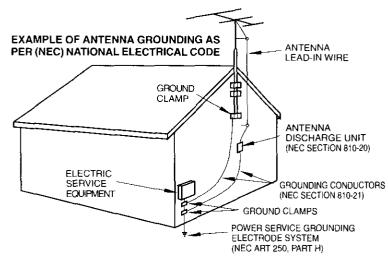
- 12) Unplug this apparatus during lightning storms or when unused for long periods of time. This will prevent damage to the receiver due to lightning and power-line surges.
- 13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, 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.
  - Upon completion of any service or repairs to this LCD TV, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.
- 14) Operate only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home consult your television dealer or local power company.
- Follow all warnings and instructions marked on the LCD TV.
- 16) Never push objects of any kind into this LCD TV through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the LCD TV.

### **Important Safety Instructions**

- 17) If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. In the U.S.

  Selection 810-21 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and
- 18) An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

requirements for the grounding electrode.



- 19) Unplug this LCD TV from the wall outlet, and refer servicing to qualified service personnel under the following conditions:
  - a. When the power cord or plug is damaged or frayed.
  - b. If liquid has been spilled into the LCD TV.
  - c. If the LCD TV ha been exposed to rain or water.
  - d. If the LCD TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the LCD TV to normal operation.
  - e. If the LCD TV has been dropped or the cabinet has been damaged.
  - f. When the LCD TV exhibits a distinct change in performance this indicates a need for service.
- 20) When replacement parts are required, be sure the service technician to use replacement parts specified by the manufacture that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 21) WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.
- 22) **CAUTION:** TO PREVENT ELECTRIC SHOCK DO NOT USE THIS PLUG WITH A RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.
- 23) CAUTION: USE WITH OTHER STAND IS CABABLE OF RESULTING IN INSTABILITY CAUSING POSSIBLE INJURY.
- 24) **CAUTION:** DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE.
  - **NOTE:** This equipment is designed to operate in the U.S.A. and other countries where the broadcasting system and AC house current is exactly the same as in the U.S.A.
    - The marking or retained image on the LCD panel resulting from fixed image use is not an operating defect and as such is not covered by Warranty. This product is not designed to display fixed image patterns for extended periods of time.

#### Important Information Regarding Use of Video Games, Computers, Caption or Other Fixed Image Displays.

The extended use of fixed image program material can cause a permanent "shadow image" on the LCD panel. This background image is viewable on normal programs in the form of a stationary fixed image. This type of irreversible LCD panel deterioration can be limited by observing the following steps:

- A. Reduce the brightness/contrast setting to a minimum viewing level.
- B. Do not display the fixed image for extended periods of time.
- C. Turn the power off when not in actual use.

### Dear Panasonic Customer

Welcome to the Panasonic family of customers. We hope that you will have many years of enjoyment from your new 15.2" LCD TV.

To obtain maximum benefit from your set, please read these Instructions before making any adjustments, and retain them for future reference.

Retain your purchase receipt also, and note down the model number and serial number of your set in the space provided on the rear cover of these instructions.

For assistance, please call: 1-800-211-PANA (7262) or send e-mail to: consumerproducts@panasonic.com

or visit us at www.panasonic.com

(U.S.A)

For assistance, please call: 787-750-4300

(Puerto Rico)

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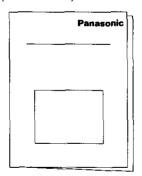
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### **SUPPLIED ACCESSORIES**

Check the accessories before installations.

 Operating Instruction book (TQBE0425)



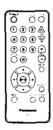
Warranty Card



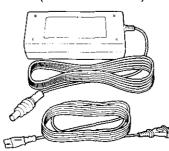
• Service Center List



 Remote Control Transmitter with lithium battery (N2QAFC000006)



AC Adaptor & AC Cord
 AC Adaptor: (N0JZHK000003)
 AC Cord: (K2CA2EA00005)



• F Type Antenna Adapter (K1SGABCA0001)



 D-Y/P<sub>B</sub>/Pr Conversion Cable (K2KZ9DB00001)



### Installation

#### **Receiver Location**

Locate for comfortable viewing. Avoid placing where sunlight or other bright light (including reflections) will fall on the screen. Use of some types of fluorescent lighting can reduce remote control transmitter range.

Adequate ventilation is essential to prevent internal component failure. Keep away from areas of excessive heat or moisture. To insure optimum picture do not position magnetic equipment (motors, fans, other speakers, etc.) nearby.

#### **Optional External Equipment**

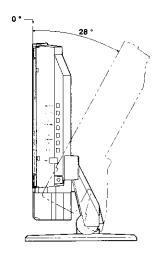
The Video/Audio connection between components can be made with shielded video and audio cables. For best performance, Antenna cables should utilize 75 ohm coaxial shielded wire. Cables are available from your dealer or electronic supply store. Before you purchase any cables, be sure you know what type of output and input connectors your various components require. Also determine the length of eable you'll need.

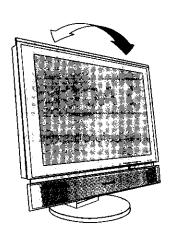
#### For optimum quality picture

When the LCD is exposed to light from outdoors or lighting fixtures, high-contrast pictures may not be displayed clearly. Turn off florescent lamps near the LCD and place in a location not exposed to outdoor light.

#### How to use the LCD stand

Adjust the stand to your desired angle. The stand angle can be adjusted between 0 ° forward to 28 ° back.





Federal Communication Commission Information

This equipment has been tested and found to comply with the limits for a TV Broadcast Receiver, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. If this equipment does cause or receive interference, which can be determined by turning equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

Reorient or relocate the TV antenna.

Increase the separation between TV and other equipment.

Connect TV into separate outlet from other equipment.

Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### Remote control battery installation

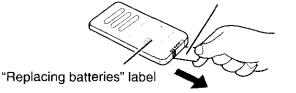
#### Remove the insulation sheet.

The lithium battery is included in the remote control at the time of delivery.

Remove the insulation sheet to operate the remove control.

#### Back of the Remote Control

the insulation sheet

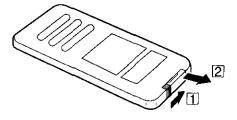


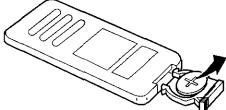
#### Replacing batteries

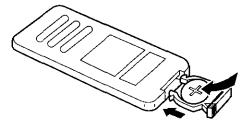
Replace batteries by following the steps below:

#### Requires a CR2025 battery

- 1. Draw out the battery tray by sliding 2. Remove battery as shown below. latch 1 and pulling in the direction of 2 as shown below.
  - Install the battery in the battery tray. (Confirm that the positive pole marked " + " is facing up.)
- 3. Replace the tray and slide back the latch until it snaps in place.







#### ⚠ Caution

Keep batteries out of children's reach. If batteries are swallowed, contact a physician immediately.

### Precaution on battery use

Incorrect installation can cause battery leakage and corrosion that will damage the remote control transmitter. Observe the following precautions:

- 1. Always use new batteries when replacing the old set.
- 2. Do not attempt to charge, short-circuit, disassemble, heat or burn used batteries.
- 3. Battery replacement is necessary when remote control acts sporadically or stops operating this unit.

#### Notes:

- Do not drop, apply shock or step on the remote control.
- Do not spill water on the remote control.
- Do not place objects between the remote control and remote control receiver.
- Do not use remote controls for other equipments at the same time.
- If the TV does not operate even when operating the remote control from a close range, it is time to replace the batteries (product number: CR2025).

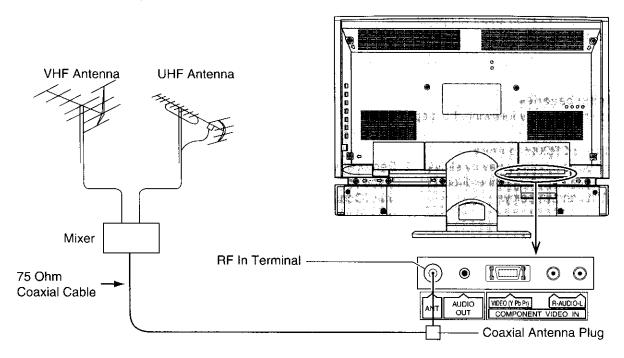
Refer to the label on back of the remote control for directions on replacing batteries.

### AC Adaptor installation

- Be sure to use the power cord and AC adaptor (model no.: N0JZHK000003) included in the accessories.
- Usage of AC adapters other than specified may cause malfunctions.

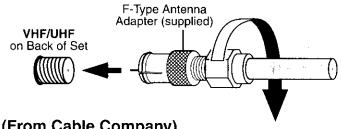
### Connecting the Antenna Cable to the RF In Terminal

**Antenna Connection -** For proper reception of VHF/UHF channels, an external antenna is required. For best reception an outdoor antenna is recommended. Antenna Mode must be set to TV.



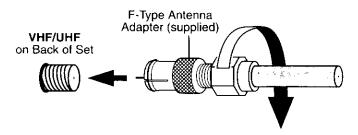
### **Antenna / Cable Connection**

### Incoming Cable From Home Antenna (75 Ohm)



### Incoming 75 Ohm Cable (From Cable Company)

Cable Connection - For reception of cable channels (01 - 125) connect the cable supplied by your local cable company. Antenna Mode must be set to CABLE. (Refer to Antenna Mode section.)

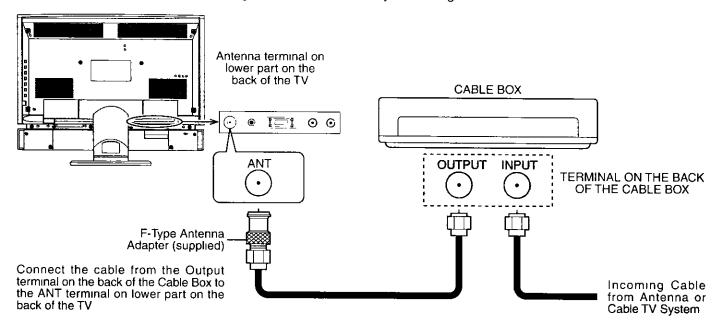


#### Note:

Certain cable systems offset some channels to reduce interference or have Premium (scrambled) channels. A cable converter box is required for proper reception. Check with your local Cable company for its compatibility requirements.

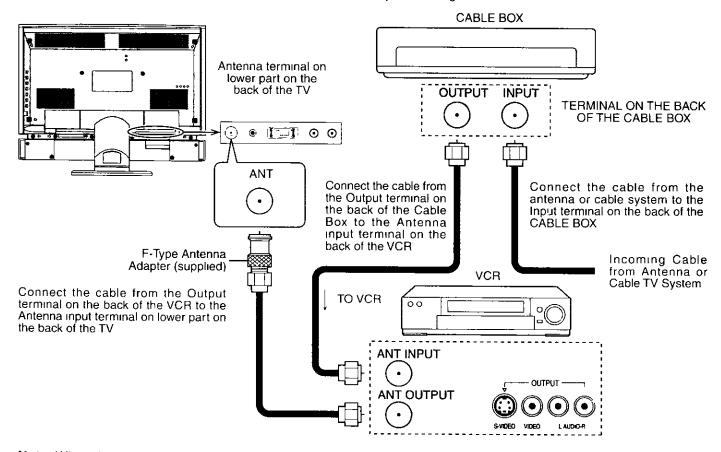
#### Antenna Connection (Cable Box, no VCR)

Use this configuration when connecting the TV to a cable TV system using a Cable Box



#### Antenna Connection (Cable Box, and VCR)

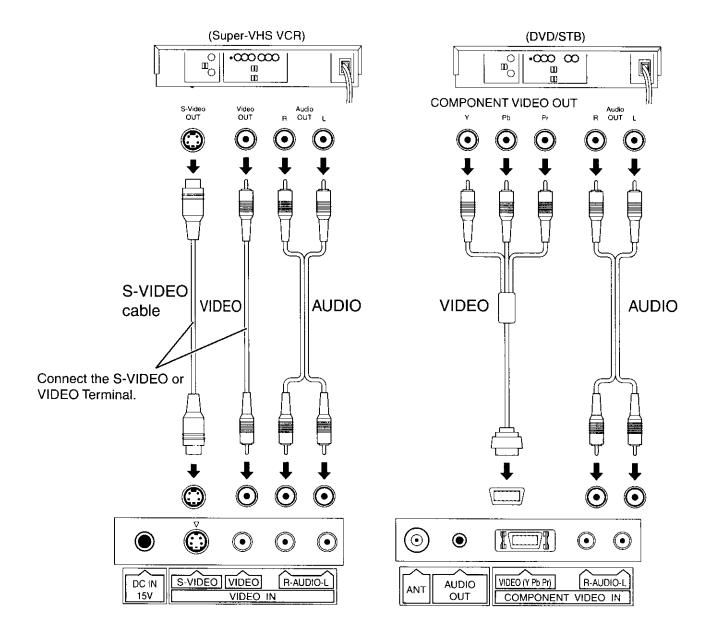
Use this configuration when connecting the TV to a cable TV system using a Cable Box and VCR



Note: When the antenna cable is connected to the TV antenna terminal via a cable box or VCR, set the TV channel to CH3 or CH4, cable. This does not apply when signal is input from VIDEO INPUT.

### How to connect the input terminals

#### Connects VCRs and other peripheral equipment

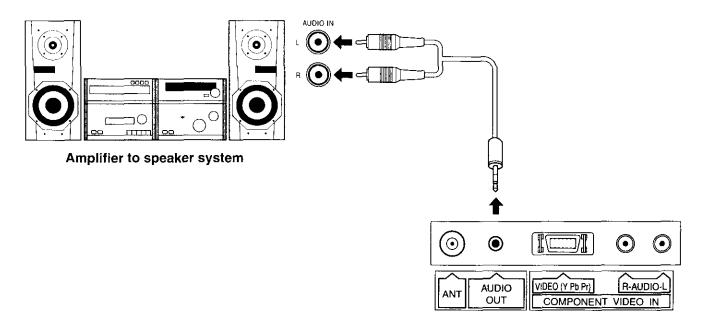


#### Notes:

- (1) When a monaural VCR is used, connect the monaural audio cable to the AUDIO-L (Left) terminal.
- (2) Similar connections are available at the INPUT terminals.

  Select the desired VIDEO input position by pushing the TV/VIDEO button. (See page 19)
- (3) When connecting video cables, priority is given to the S-Video cable when the S-Video input terminal and the video input terminal are connected at the same time.

### **How to connect the AUDIO OUT Terminals**

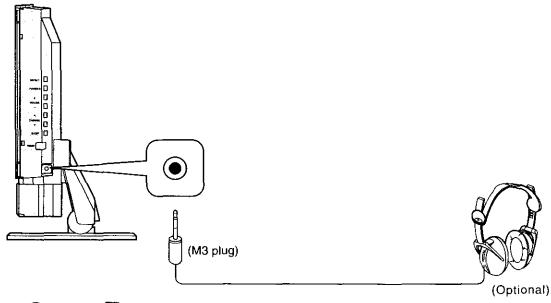


#### Note:

The volume control output of the LCD TV will fix. (SOUND, ADJUST, VOLUME UP/DOWN and SURROUND ON/OFF are not functional for output signals from the AUDIO OUT terminals.)

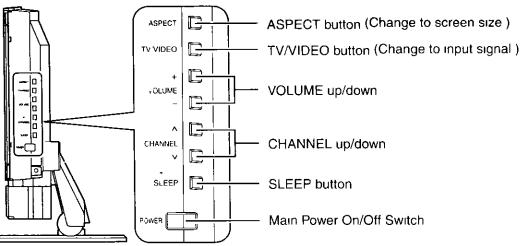
# **Connecting Headphones / Earphones**

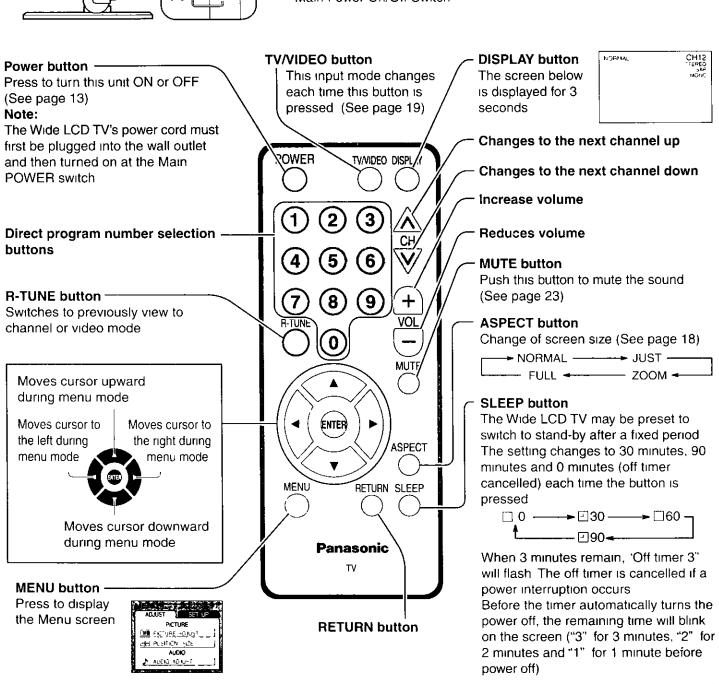
Connect headphones / earphones as follows.



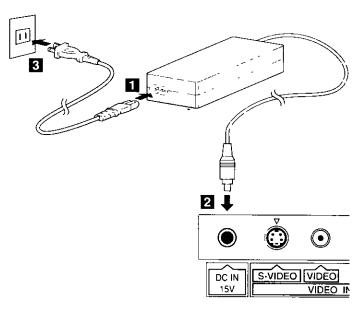
Use Volume Up 
or Down button to control volume level.

### **Basic Controls**



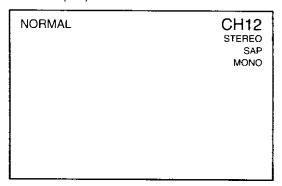


### **Controls and Turn the Power On**



Connect the AC cable and power supply to the Wall outlet connecting the DC plug to DC in Jack Push the POWER switch on the TV to turn the set on POWER-ON Green

Example This screen below is displayed for a while after the TV is turned on (setting condition is an example)

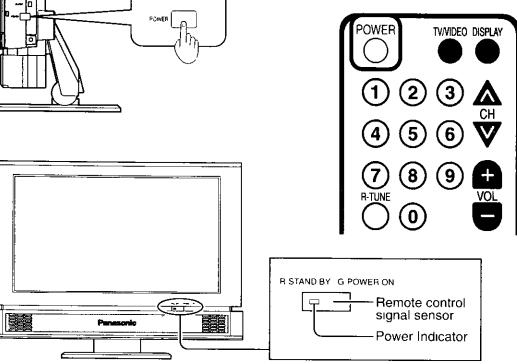


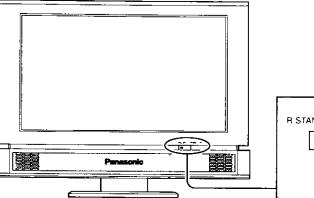
**POWER** 

Press the POWER button on the remote control to turn the TV off: Red (standby)

Press the POWER button on the remote control to turn the TV on, Green

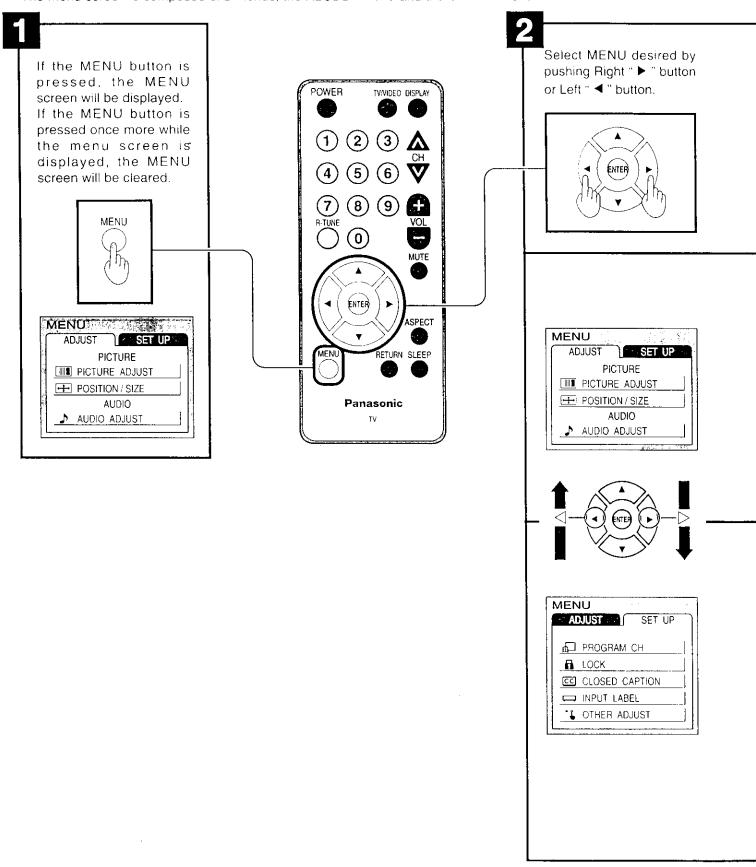
Turn the power to the TV set off by pressing the POWER switch on the TV when the TV is on or in standby mode

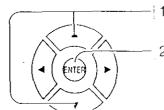




### Flow Chart of MENU

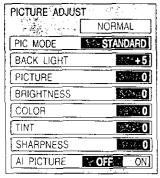
All adjustments and setting functions equipped in this set can be made using the menu buttons. The menu screen is composed of 2 menus, the ADJUST menu and the SET UP menu.





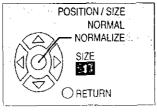
- 1 Press to select each item
- 2 Press to each screen is displayed.

### TO PICTURE ADJUST menu



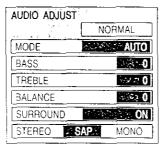
(See page 20)

#### TO POSITION/SIZE



(See page 24)

### TO AUDIO ADJUST menu



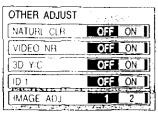
(See page 22)

### TO VIDEO INPUT LABEL selection screen



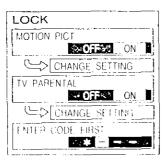
(See page 29)

TO OTHER adjust screen



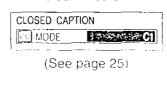
(See page 30, 31)

### TO LOCK selection screen



(See page 26)

### TO CLOSED CAPTION selection screen



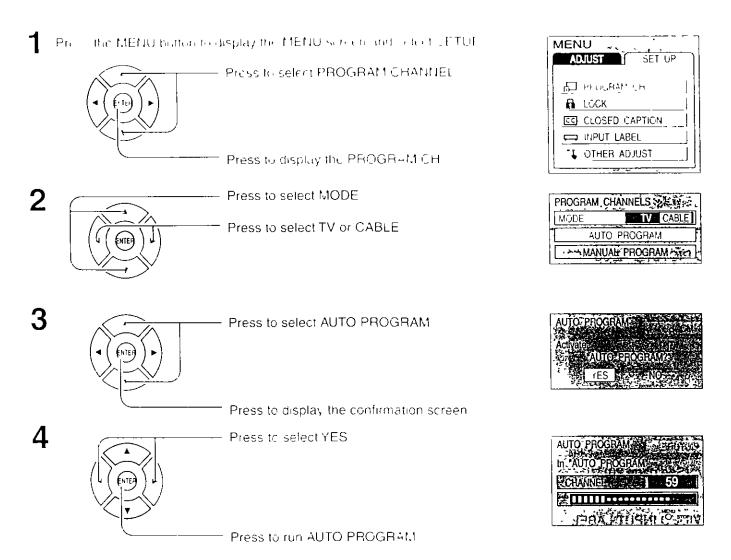
TO PROGRAM CHANNELS adjust screen



(See page 16, 17)

# Tuning channels (Automatic channel programming)

Automatically searches and adds receivable channels in the installed area and/or CATV signals to the program



Channels will automatically advance until all channels have been scanned. Channel numbers with a rideo signal present will turn light blue. Which indicates it has been stered in the Channel Stan Hemory.

5 Press the MENU buttor to exist the sector menu

#### Notes

- When futton, are pressed with AUTO FROGRAM running, the TV set zill return to normal viewing inchannel, scarched up to the point are added a
- After AUTO PROGRAM is finished, the lowestic harried number, added will be received.
- Which there are no receivable channels, channel 69 is displayed (channel 125 for cable TV).

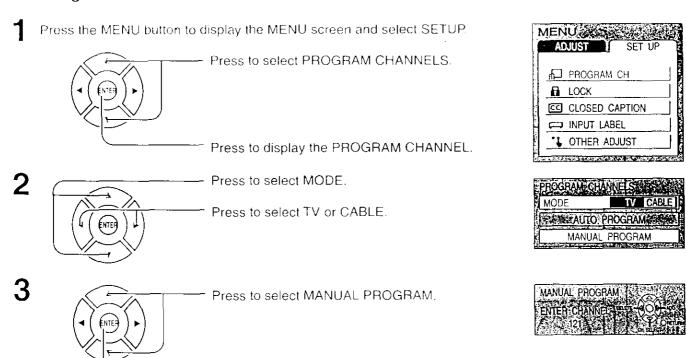
# Tuning channels (Manual channel programming)

Use this setting when changing setting of receiving channels or changing the channel display.

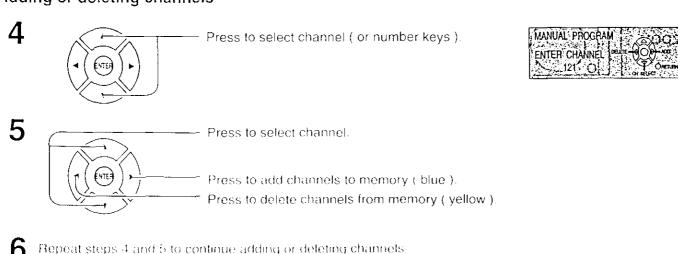
Turn the TV on and select the broadcast channel. Follow the steps on the previous page to display the PROGRAM CHANNEL screen

This PROGRAM CHANNEL screen can be displayed when the MAIN picture is a TV broadcast.

#### Selecting the PROGRAM CHANNELS menu.



#### Adding or deleting channels

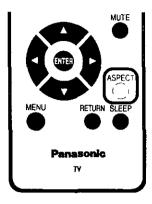


Press to display the MANUAL PROGRAM screen.

7 Press the MENU button to exit the set up menu

# **ASPECT Controls**

The LCD TV will allow you to enjoy viewing the picture at its maximum size, including wide screen cinema format picture





#### ASPECT button

The aspect mode changes each time the ASPECT button is pressed

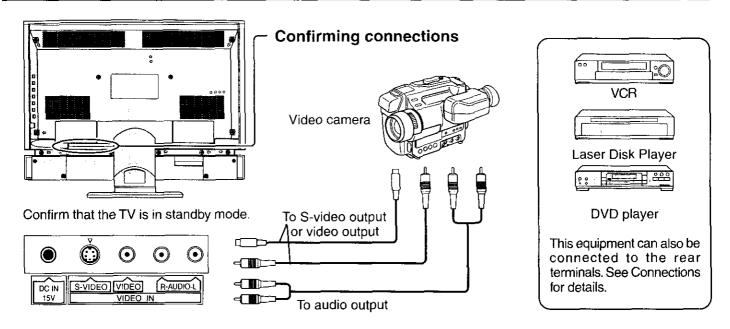


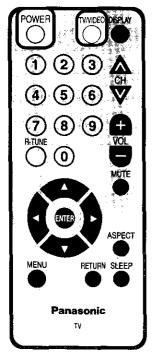
Mode	Picture	Explanation
NORMAL	NORMAL O 3	NORMAL will display a 4.3 picture at its standard 4 3 size
JUST	4 - O   O   O   O   O   O   O   O   O   O	JUST mode will display a 4 3 picture at maximum size but with aspect correction applied to the center of the screen so that elongation is only apparent at the left and right edges of the screen. The size of the picture will depend on the original signal.
ZOOM	3 → (ZOOM)	ZOOM mode magnifies the central section of the picture
FULL	3 →	FULL will display the picture at its maximum size but with slight elongation

#### Notes

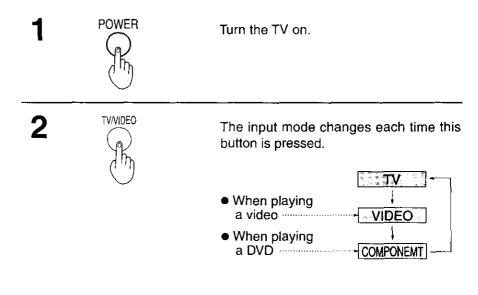
- (1) The ASPECT mode settings are stored for TV, VIDEO and COMPONENT individually
- (2) During 525p (480p) signal, only FULL and ZOOM screens can be selected

# Playing a VCR or other peripheral equipment





#### Turning the power on and switching input modes



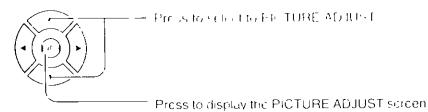
#### Note:

When the remote control is unavailable, input modes can also be switched on the TV set using the TV/VIDEO button.

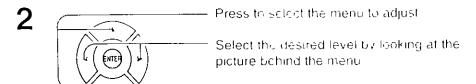
3 Operate the connected equipment.

# **Picture Adjustments**

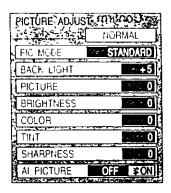
From the MENU button to display the MENU screen and select. ADJUST

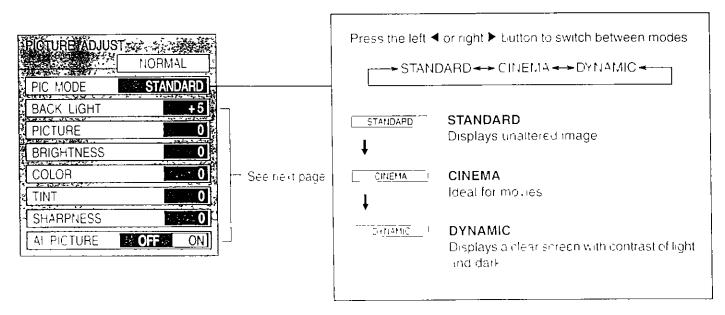


NORMAL is displayed at default



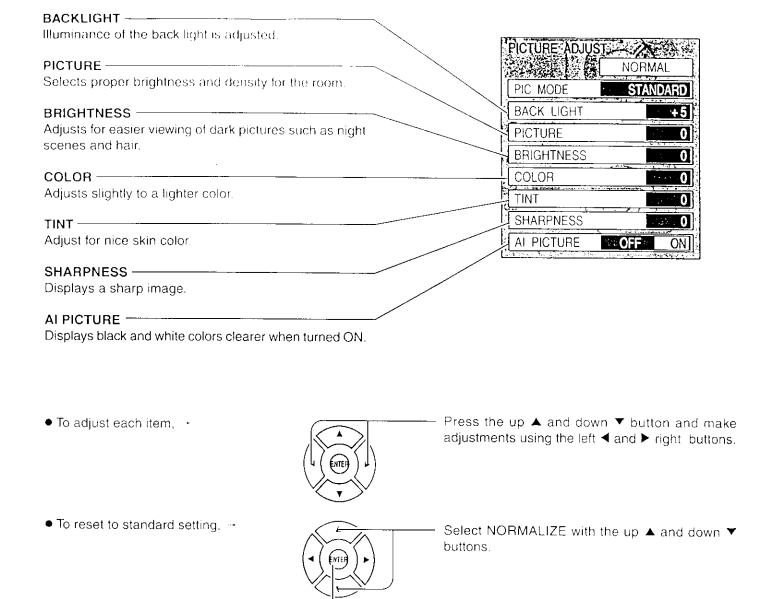






Note

PICTURE adjustments are stored for TV VIDEO and COMPONENT individually



Press ACTION.

Press MENU button.

#### Note:

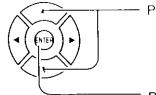
To return to normal viewing +

PICTURE adjustments can be made for DYNAMIC, STANDARD and CINEMA each

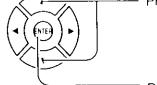
MENU

# **Audio Adjustments**

Press the MENU button to display the MENU screen and select. SETUP



Press to select to AUDIO ADJUST

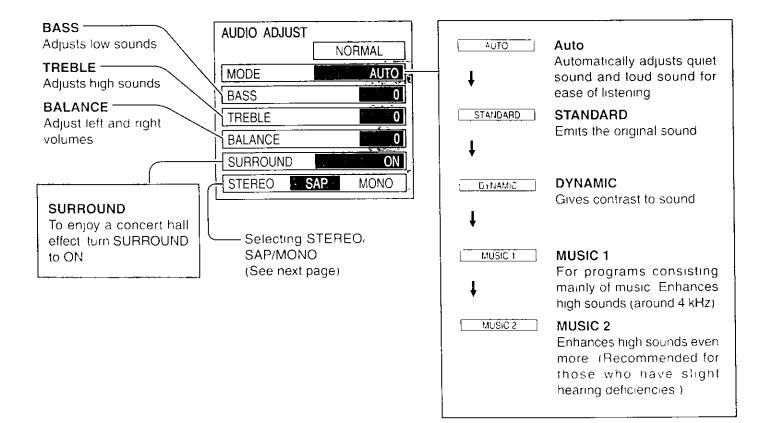


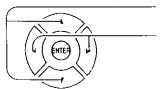
Press to display the AUDIO ADJUST screen

MENU 11 11 1 ADJUST SET UP **PICTURE** PICTURE ADJUST **→** POSITION - SIZE AUDIO AUDIO ADJUST

Press to select the menu to adjust each item

Select the desired level by listening to the sound





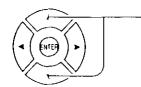
To reset to standard setting, select NORMALIZE with the up ▲ and down ▼ buttons and press ENTER BASS, TREBLE BALANCE and SURROUND adjustments are stored for each AUDIO menu

To end adjustments

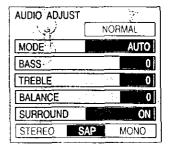


Press MENU button

#### Selecting STEREO/SAP/MONO



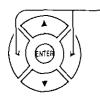
Press to select STEREO/SAP/MONO.



SAP

STEREO

MONO



Press to select STEREO/SAP/MONO.

Red display : With signal White display : No signal

: MONO



MENU

Press to end.

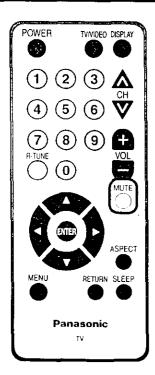
• STEREO - Two channel Audio reception.

• SAP - Second Audio Programming (typically used for

bilingual audio).

• MONO - Use when stereo signal is weak.

## **MUTE**



Useful when answering the phone or receiving unexpected visitors



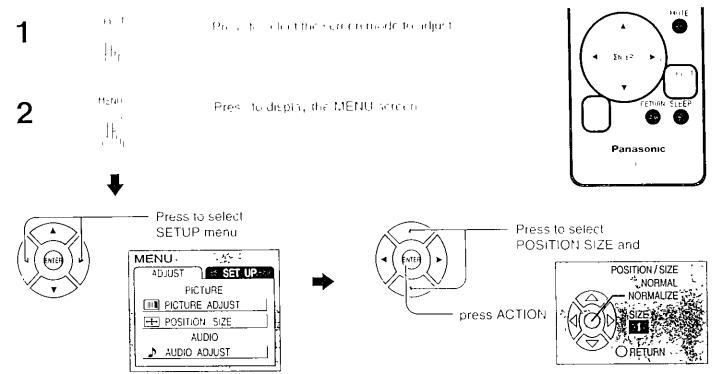
Press this button to mute the sound.

Press again to reactivate sound.

Sound is also reactivated when power is turned off or volume level is changed.

# Adjusting screen position and size

#### Adjusting screen



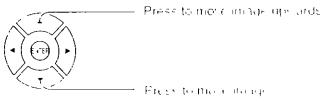
#### Switching screen width

During NORMAL and JUST mode if noise appears on the ends of the image in SIZE 1 is litch to SIZE 2

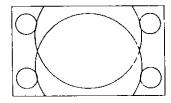


### Moving Displaying images cut off from the screen

For ZOOM mode



downwards



- Faturate tindad ENTER
- Tirendiadju tment\_ MENU (RETURN);

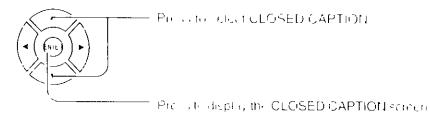
#### Notes

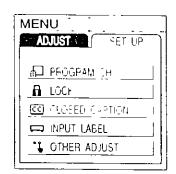
- The TV is equipped with various, creen mode. It is creen mode, after different a per them the broadcast program. reservated image subappe in differentic talk the proper environment with the included
- Decareful when a ling this TV for commercial purposes or for public use, such as invested and hotels, for shrinking and enlarging images by using screen mode is vitching function in commetching, soliding pyright last
- Images displayed on a side serien TV, ill be cut off or list medianthe edge. Then is triag normal aspect images or 4.3 in ZOOM JUST or FULL mode Display in NCRMAL mode to hese the original incape intended by the producer
- The adjusted setting will be kept even when the TV is turned off.

# **Closed Captions**

This unit has a built in decoder that provides a visual depiction of the audio portion of a television program in the form of written words across the screen (white or colored letters on a black background). It allows the viewer to read the dialogue of a television program or other information.

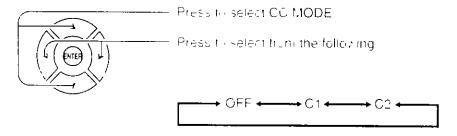
Press the MENU button to display the MENU is reen and select SETUP

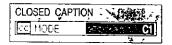




### 2 CC Mode

Activates the On-Screen Closed Caption feature. When activated this feature will remain on until OFF is selected in this menu.





- CAPTION OFF Recommended mede when Closed Caption is not being used.
- CAPTION C1 For video related information that can be displayed (up to 4 lines of script strategically placed on the telegriculture and that it does not obstruct relevant parts of the picture)
- CAPTION C2 Another mode used for elder related information
- To and adjustments →

Press MENU batton

### Lock Feature

In the United States, the V-CHIP consists of two rating systems, which are MPAA (MOTION PICTURE) and TV PARENTAL GUIDELINES. Its function is to block programs by the rating data in the XDS data packets sent from broadcasting stations. The user can select which rating programs should be blocked by the LOCK MENU options

Note. The V-CHIP, used in this unit model, is capable of selecting the U.S. ratings that are indicated in this manual.

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Panasonic

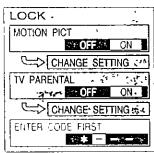
Protestive MENU button to display the MENU to reach and select SETUP.

Press to display the LOCK screen



#### Input code

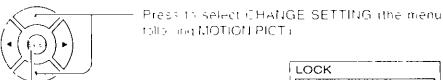
Enter an, 4-digit number as a pass vord. These numbers will be needed when deacticating the LOCK function.



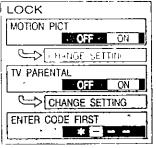
MENU

ADJUST SET UP

2 Selecting broadcasts to lock



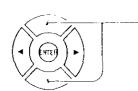
Prospension Programme Prog



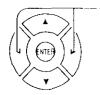
Note

Use incode that is easy to remember or record it in a sate place.

3



Press to select rating to lock



Press to select YES or NO

#### Rating (turns red when on)

G : General audience

PG : Parental guidance suggested

PG-13: Parental guidance needed under 13 years old

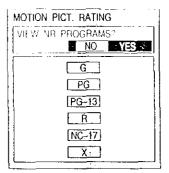
R : Restricted

NC17: No one under 17 is admitted

X : Pornography

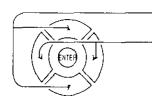


Press to return to LOCK screen.



4 Setting MOTION PICT..

Locking and unlocking the ratings selected above.



Press to select MOTION PICT..

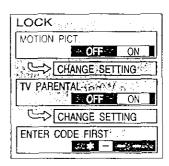
Press to select ON or OFF.

ON : The broadcasts selected in the MOTION PICTURE RATING menu cannot

be viewing.

OFF: LOCK is deactivated and any broadcast, regardless of the setting for MOTION

PICTURE RATING, can be viewing.



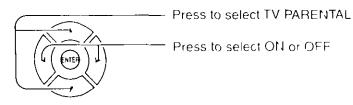
NOTION PICT OFF OR

MENU

Press to set

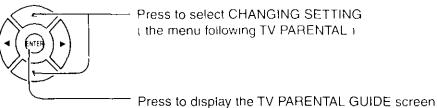


#### TV PARENTAL GUIDE





Changing setting



#### Setting the TV PARENTAL PROGRAMS screen

VIEW NR PROGRAMS?

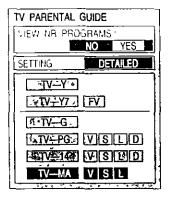
NO Cannot view programs with NR signals YES Can view programs with NR signal

#### SETTING



The up ▲ and down ▼ buttons change the selected title DETAILED The cursor selecting the title can be moved to select options displayed on the right. The down ▼ buttons moves the cursor to the right if options are available. The up \( \Delta \) buttons moves the cursor to the left and if there are no options to the left, the cursor will move up

#### LOCK I MOTION PICT CHANGE SETTING . T / PARENTAL **O**FF ON CHANGE SETTING ENTER CODE FIRST /ペント \* - - -

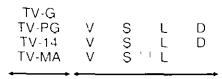


#### Locking and unlocking

- When a title field is selected, all ratings below this rating are selected
- When options within an option field are selected ratings below this rating within the same field are selected
- Ratings displayed in green are unlocked and those displayed in red are blocked programs
- 1 Ratings for children These ratings are divided into ranks as follows



2 Ratings for teenagers. These ratings are the same as the matrix system. This system is described in the below diagram. Ratings for all ages are on top and ratings for adults are on the bottom



To end adjustments --

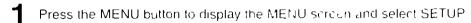


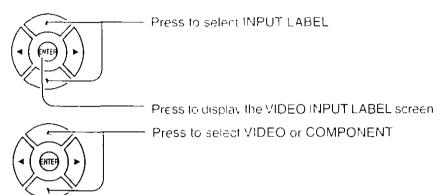
Press MENU button

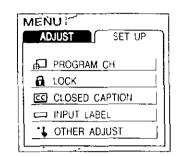
# **Customizing the VIDEO INPUT labels**

Display for each VIDEO INPUT can be changed to match with the connected device (VCR, DVD Player).

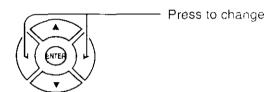
Example: When changing VIDEO to LD



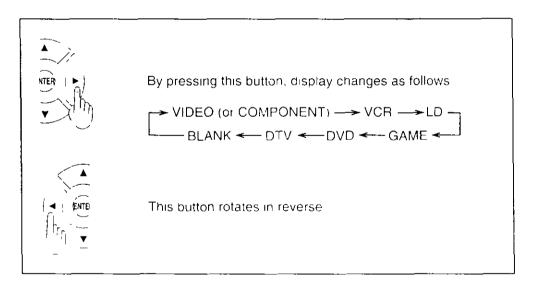




2







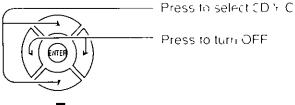
HEND

Press to end

# Adjusting unnatural video images (3DY/C FILTER)

Press the MENU button to display the MENU screen and select SETUP







Press to ena

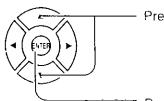
Note:

Not available for COMPONENT VIDEO

### **Natural Color**

Press the MENU button to display the MENU screen and select SETUP

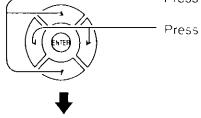
2



Press to select OTHER ADJUST

Press to display the OTHER ADJUST screen





Press to select NATURL CLR

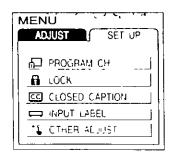
Press to turn NATURL CLR ON

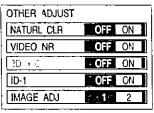


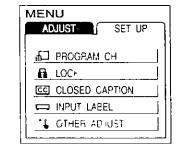


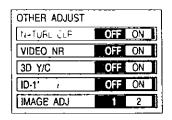
Press to end

Not available for COMPONENT VIDEO

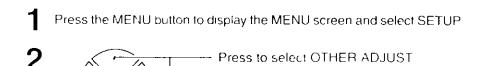




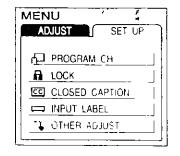


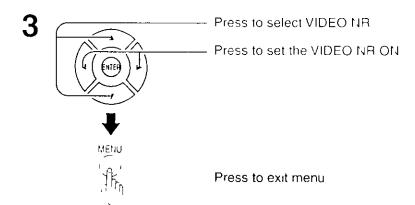


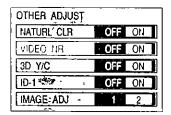
## **Video Noise Reduction**



Press to display the OTHER ADJUST screen

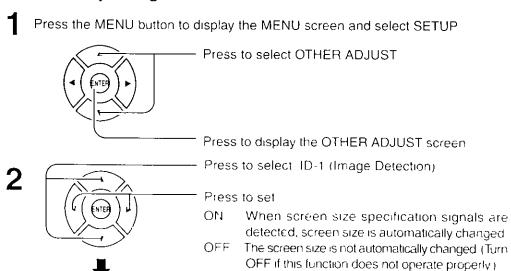


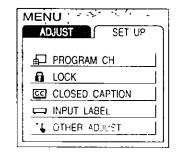


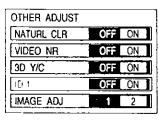


# Automatically changing screen size for VIDEO INPUT modes

If the received signal contains screen size specifications in VIDEO INPUT the screen size is automatically changed.







ID 1 DFF ON T

Note:

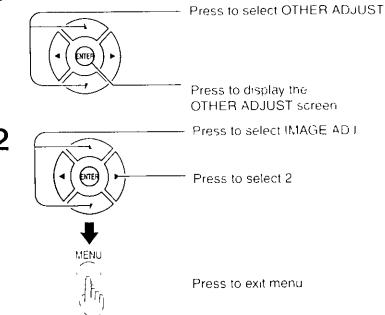
MENU

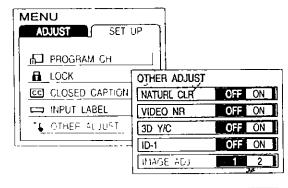
When ID-1 is detected and screen size is changed, FULL or WIDE will be display

Press to end

# When the top and bottom of the screen noise (IMAGE ADJ.)

Press the MENU button to display the MENU screen and select SETUP





MAGE ADJ

(Example) 1



(Example) 2



#### Notes:

- IMAGE ADJ settings are stored for TV, VIDEO and COMPONENT each
- This setting will not change during ZOOM

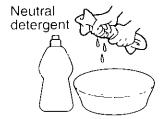
### Maintenance

#### Do not wipe the LCD with water

Clean the L CD using a dry soft cloth such as gauze. If the LCD is heavily soiled, apply OA cleaner for LCD panels to the cloth and wipe off gently. Do not use keton chemicals such as acetone, solvents such as xylen or toluene, or water.

#### Wipe the cabinet with a soft cloth

If the cabinet is heavily soiled, wipe with a well-wrung soft cloth dipped in kitchen cleanser (neutral) diluted with water



#### **CAUTION**

If water or similar substances get inside the monitor via the liquid crystal panel surface, a malfunction may result

# **Troubleshooting**

Before requesting service for this LCD TV, check the chart below for a possible cause of the problem you are experiencing Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation. If you are in doubt about some of the check points, or it the remedies indicated in the chart do not solve the problem, consult your dealer for instructions.

Symptoms	Checks	Page
Power does not turn ON	<ul> <li>Is the power plug plugged in?</li> <li>Is the AC adapter plug securely connected to the unit?</li> <li>If the power does not turn on using the remote, check if the TV set is turned on</li> </ul>	
Remote control does not function	<ul> <li>Are the batteries dead or inserted incorrectly?</li> <li>Is the remote control sensor in direct light of florescent lamps or other strong sources of light?</li> </ul>	
Image shakes Image is not clear or no color	<ul> <li>Is the antenna cable connected properly?</li> <li>When using a VCR and selecting channels on the TV, is the TV/VIDEO mode for the VCR set to TV?</li> </ul>	
Image appears doubled or tripled	Check cable signal, connections or wire	
A black stripe appears for a moment when changing channels using the VCR	The image distorts when channels are changed	_
Images disappear at the top and bottom of the screen		
During ZOOM or JUST modes, the image is cut off at the top and bottom  ■ Has the screen position been changed?  → If so, adjust screen positioning		
Channel number remains displayed	remains Press the DISPLAY button During VIDEO input, channel number is displayed until an image is displayed	
There may be red spots, blue spots and green spots on the screen	• This is a characteristic of liquid crystal panels and is not a problem. The liquid crystal panel is built with very high precision technology giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green, or red. Please note the this does not affect the performance of your LCD TV.	

# **Specifications**

<b>Power Source</b> AC 90 ~ 264 V, 50 / 60 Hz					
Power Consumption		Average use: 52 W (Maximum Current 0.9 A) Stand-by condition: 2 W (at 120 V), 3W (at 240V)  TV set DC 15 V, 3.1 A max.			
LCD		15.2-inch, 16 : 9 aspect ratio LCD panel			
Screen Size		13.19 " (335 mm) (W) × 7.40 " (188 mm) (H)			
Channel Capability-181		VHF-12 : UHF-56 : Cable-125			
	Speaker	Tweeter (3 × 4 cm 2pcs, 8 $\Omega$ ), Woofer ( $\phi$ 5 cm, 8 $\Omega$ )			
Sound	Audio Output	6.5 W (2.0 W + 2.0 W + 2.5 W (Woofer)), 10 % THD, 65 Hz ~ 20 kHz			
	Headphones	M3 (3.5 mm) Jack × 1			
FEATURES		3D Y/C Digital Comb Filter Aero - Hammer <sup>®</sup> Woofer System (2 Way 3 Speaker System) CLOSED CAPTION V-Chip			
Accesso	ries Supplied				
Remote control Transmitter		N2QAFC000006	Battery : CR2025 × 1		
AC Adaptor		AC Adaptor: N0JZHK000003	AC Adaptor: N0JZHK000003 AC Cord: K2CA2EA00005		
Operating Conditions		Temperature: 41 °F - 95 °F (5 ° - 35 °C) Humidity: 5 % - 90 % RH (non-condensing)			
Connection Terminals					
	VIDEO	RCA PIN Type × 1	1.0 Vp-p		
VIDEO	S-VIDEO	Mini DIN 4-pin	Y : 1 Vp-p (75 Ω), C	C : 0.286 Vp-p (75 Ω)	
	AUDIO L-R	RCA PIN Type × 2	1.0 Vp-p		
СОМР	ONENT IN VIDEO	D Type Connecter	Y, P <sub>B</sub> , P <sub>B</sub>		
	AUDIO L-R	RCA PIN Type × 2	0.5 Vrms		
AUDIO OUT		M3 Stereo Jack × 1	0.5 Vrms		
Dimensions (W×D×H)					
Including TV Stand		16.26" (413 mm) × 7.09" (180 mm) × 12.99" (330 mm)			
TV Set Only		16.26 " (413 mm) × 2.44 " (62 mm) × 12.99 " (330 mm)			
Weight (Mass) 12.35 lb. (5.6 kg) Net					

#### Note:

Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

#### **Customer' Record**

The model number and serial number of this product can be found on its rear panel. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number

TC-15LT1

Serial Number

Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America One Panasonic Way Secaucus New Jersey 07094

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico Inc. ("PSC") Ave. 65 de Infanteria, Km 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985