

zenith L10V22 LCD-TV



Zenith will repair or replace your product, at Zenith's option, if it proves to be defective in material or workmanship under normal use, during the warranty period listed below from the date of original consumer purchase. This warranty is available only to the original, end user purchaser of the product and effective only when used in the United States, excluding U.S. Territories. Zenith is not responsible for deinstallation or reinstallation of unit.

WARRANTY PERIOD: Labor: One Year from date of purchase. Parts: One Year from the date of purchase.	HOW SERVICE IS HANDLED: Swap service: Please retain your bill of sale for proof of warranty and box to return unit if needed. Please call 1-800-984-9349 for complete shipping and handling instructions. Repair or replacement may be new or remanufactured product. Please see below for further information.
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THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESSED WARRANTY PERIOD ABOVE. ZENITH WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL OR PUNITIVE DAMAGES OF ANY NATURE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, INCLUDING WITHOUT LIMITATION LOST PROFITS, LOST OR CORRUPTED PROGRAMMING OR DATA, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

THIS LIMITED WARRANTY DOES NOT APPLY:

- To damages or operating problems that result from shipping, installation, adjustment of user controls, calibration, maintenance or failure to maintain, or separate system components.
- To damages or operating problems that result from normal wear and tear, misuse, abuse, operation outside environmental specifications or contrary to the requirements and precautions in the Operating Guide, accident, lightning strikes or other natural causes, modification or alteration, incorrect electrical current or voltage, signal reception or input, computer software, or institutional or commercial use.

Therefore, you pay for the cost of repair or replacement under these circumstances.

CUSTOMER ASSISTANCE NUMBERS:


To prove warranty coverage:
Retain your dated sales receipt to prove date of purchase. Legible copy of your sales receipt must be submitted at the time warranty service is provided.
To obtain where-to-buy, product assistance or customer assistance:
Call 1-877-9 Zenith (1-877-993-6484) (Mon. - Fri. 7:00 AM to 8:00 PM and Sat. 8:00 AM to 5:00 PM CST)
Please select the appropriate option from the menu.

Operating Guide I Warranty


Model Number | L10V22 | LCD-TV




Warnings




WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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

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

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

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD DO NOT EXPOSE THE SET TO RAIN OR MOISTURE.

NOTE TO CABLE/TV INSTALLER:

This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

REGULATORY INFORMATION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

Do not attempt to modify this product in any way without written authorization from Zenith Electronics Corporation. Unauthorized modification could void the user's authority to operate this product.

COMPLIANCE:

The responsible party for this product's compliance is:
Zenith Electronics Corporation, 2000 Millbrook Dr., Lincolnshire, IL 60069, USA • Phone: 1-847-941-8000.

IMPORTANT SAFETY INSTRUCTIONS

Important safeguards for you and your new product

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

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

This product complies with all applicable U.S. Federal regulations and voluntary safety standards.

1. Read Instructions

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

2. Follow Instructions

All operating and use instructions should be followed.

3. Retain Instructions

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

4. Heed Warnings

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

5. Cleaning

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

6. Water and Moisture

Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

7. Accessories, Carts, and Stands

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

8. Transporting Product

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

9. Attachments

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

10. Ventilation

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

11. Power Sources

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

12. Power Cord Polarization

This product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.

13. Power Cord Protection

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



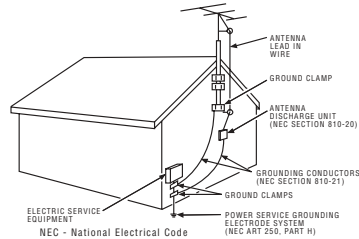
PORTABLE CART WARNING

IMPORTANT SAFETY INSTRUCTIONS

14. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code (U.S.A.), ANSI/NFPA 70 provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Example of Grounding According to National Electrical Code Instructions



15. Lightning

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

16. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.

17. Overloading

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

18. Object and Liquid Entry

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

19. Servicing

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

20. Damage Requiring Service

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

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

21. Replacement Parts

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

22. Safety Check

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

23. Wall or Ceiling Mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product.

24. Heat

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

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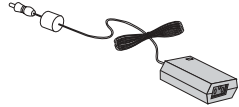
-Before operating the set, please read this manual carefully.

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Supplied Accessories

• Make sure all the accessories are included with TV.

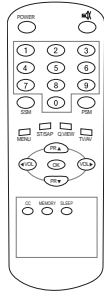
1. DC Adapter



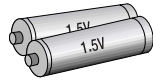
2. AC Cord



3. Remote Control



4. Batteries (size AAA)



5. Metal Screws (2 Types)



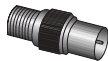
6. Plastic Drywall Anchors



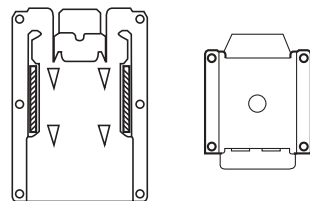
7. Owner's Manual



8. Antenna Adapter

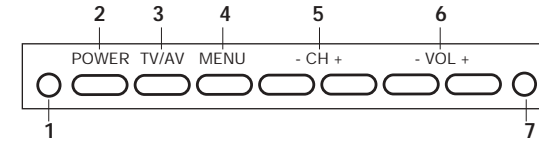


9. Brackets



Controls

<Front Panel>



1. POWER/STANDBY INDICATOR

Illuminates brightly when the set is in standby mode.
Dims when the set is switched on.

2. POWER

Turns the TV on and off.

3. TV/AV

Selects TV, COMPONENT, VIDEO or S-VIDEO modes.

Clears the menu from the screen.

4. MENU

Displays a menu.

5. + CH - (Channel Up/Down)

Selects next channel or a menu option.

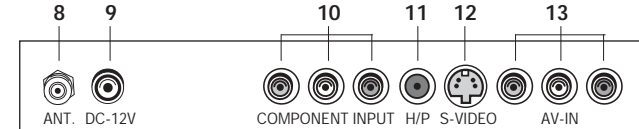
6. +VOL -(Volume Up/Down)

Adjusts the sound level.

Adjusts menu option settings

7. REMOTE CONTROL SENSOR

<Rear Panel>



8. Ant. (Antenna Input)

9. DC 12V Adapter input

10. COMPONENT INPUT

11. HEADPHONE Input

Connect a headphone to this input.

12. S-VIDEO Input

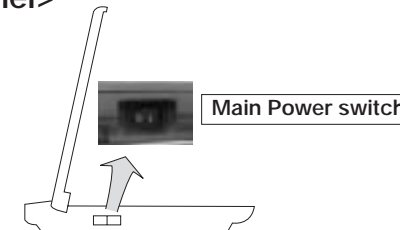
Connect the output of an S-VIDEO VCR to the S-VIDEO input.

Connect the audio outputs of an S-VIDEO VCR to the AV-IN audio inputs.

13. A/V IN Inputs

Connect the Audio/Video outputs of external equipment to these inputs.

<Side Panel>



Remote Control Key Functions

All TV functions can be controlled with the remote control. Some functions can also be adjusted with the controls on the TV front panel.

Remote Control

Before you use the remote control, please install the batteries.

1. POWER

Turns the TV on from standby or off to standby mode.

2. MUTE

Turns the sound on and off.

3. NUMBER buttons

Select channel numbers.

4. PSM (Picture Status Memory)

Recalls your preferred picture settings.

5. SSM (Sound Status Memory)

Recalls your preferred sound settings.

6. TV/AV

Selects TV, COMPONENT, VIDEO or S-VIDEO modes. Clears menus from the screen.

7. MENU

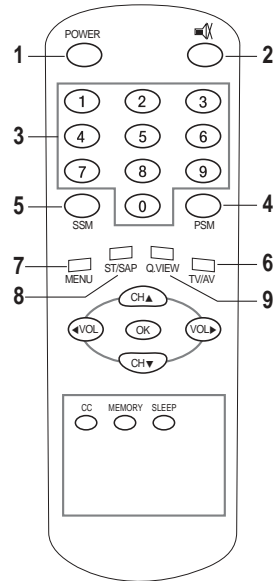
Displays Main menu.

8. ST/SAP

Selects the MTS - Stereo, Mono, SAP

9. Q.VIEW

Returns to the previously viewed channel.



Remote Control Key Functions

10. CH▲▼ (Channel Up/Down)

Selects next channel or menu option.

11. OK

Accepts your selection or displays the current mode.

12. VOL◀▶ (Volume Up/Down)

Adjusts the sound level.

Adjusts menu option settings.

13. SLEEP

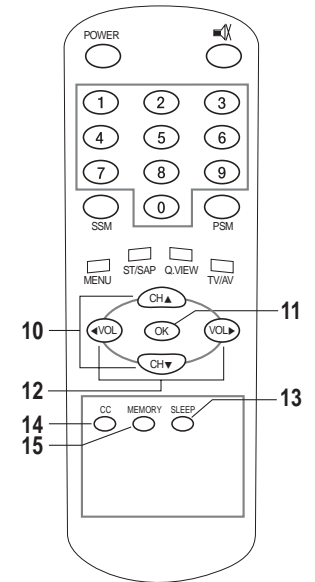
Sets the sleep timer.

14. CC

Selects caption/text option.

15. MEMORY

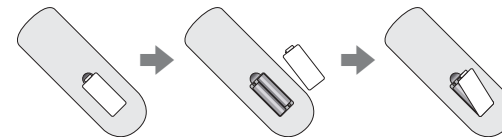
Stores or removes the current channel.



Battery Installation

■ Inserting batteries

1. Remove the battery cover by pulling it upward in the direction shown by the arrow.
2. Install batteries with correct polarity. ("+" to "+" and "-" to "-").
3. Replace the battery compartment cover.



* Install two high quality 1.5V "AAA" alkaline batteries. Don't mix the old batteries with new batteries.

* Remove batteries when you won't use the remote control for long time. Liquid leakage from old batteries may cause operation failure.

■ Notes for using remote control

- ✓ Make sure there are no objects between the remote control and its sensor.
- ✓ Don't place the remote control near a heater or in damp place. Strong impact to the remote control may cause operation failure.
- ✓ Signal from the remote control may be disturbed by sunlight or other bright light. In this case, darken the room or move the TV.

Wall/Under-cabinet, and Tabletop Installations

Installation Options -You can install the L10V22 LCD-TV on a wall, under a cabinet, or place it on a tabletop surface.

CAUTION:

- To reduce the risk of fire, do not place any heating or cooking product beneath this unit.
- To eliminate any risk of injury from the TV falling, it should be mounted securely.
- Do not install the TV on a weak wall surface, like plaster etc.
- The display panel should be in its closed position during installation.

Installation Instructions -

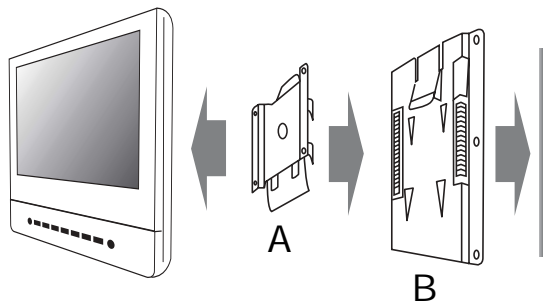
- Position the wall/under-cabinet mount (bracket B) in the location you want to install the TV. Use it as a template and mark the four corner hole locations.
- If the installation is on drywall, install the four (4) plastic anchors provided as follows: 1. Using #2 Phillips, press tip of anchor into drywall. 2. Turn clockwise until seated flush.
- Install the wall/under-cabinet mount (bracket B) using the four (4) pan head Phillips sheet metal screws as provided.

Note: For wall installation the spring mechanism should be facing up. For under-cabinet installation the spring mechanism should be facing the back of the cabinet.

- Install the TV mounting bracket (bracket A) to the TV using the four (4) machine screws provided.

Note: The four (4) mounting hooks should be facing down.

- Insert the TV with mounting bracket attached into the wall/under-cabinet mount (bracket B) by engaging the spring mechanism.



Basic Operation Overview

Turning the TV On and Off

Standby Setup: The AC-DC converter and the AC power cord must be set up and connected to have the monitor in standby mode ready to be turned on. Press the main power button on the side panel of the TV to go into standby mode.

- If the monitor is in standby mode, press the **Power** button on the remote control or the monitor itself to turn the monitor on.
- Press the **Power** button again on the remote control or the monitor itself to turn the monitor off.

Note: If the monitor is on and the power button is pressed to turn the monitor off, the monitor goes into standby mode.

Channel Selection

You can select Channel numbers using **CH▲▼** or **NUMBER** buttons.


Volume Adjustment

Use the **VOL◀▶** button to adjust the sound level.

Quick View

Press the **Q.VIEW** button to return to the last channel you were watching.

Sound Mute Function

Press the **MUTE** button. The sound is switched off and the mute display  appears.

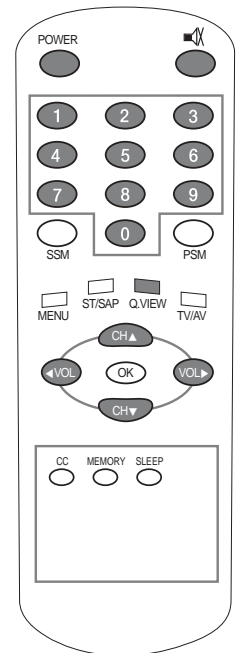
To cancel mute mode, press **MUTE** again, **VOL◀▶**, or the **SSM** button.

On-screen Menu Language Selection

The menu can be displayed on the screen in English, French, or Spanish.

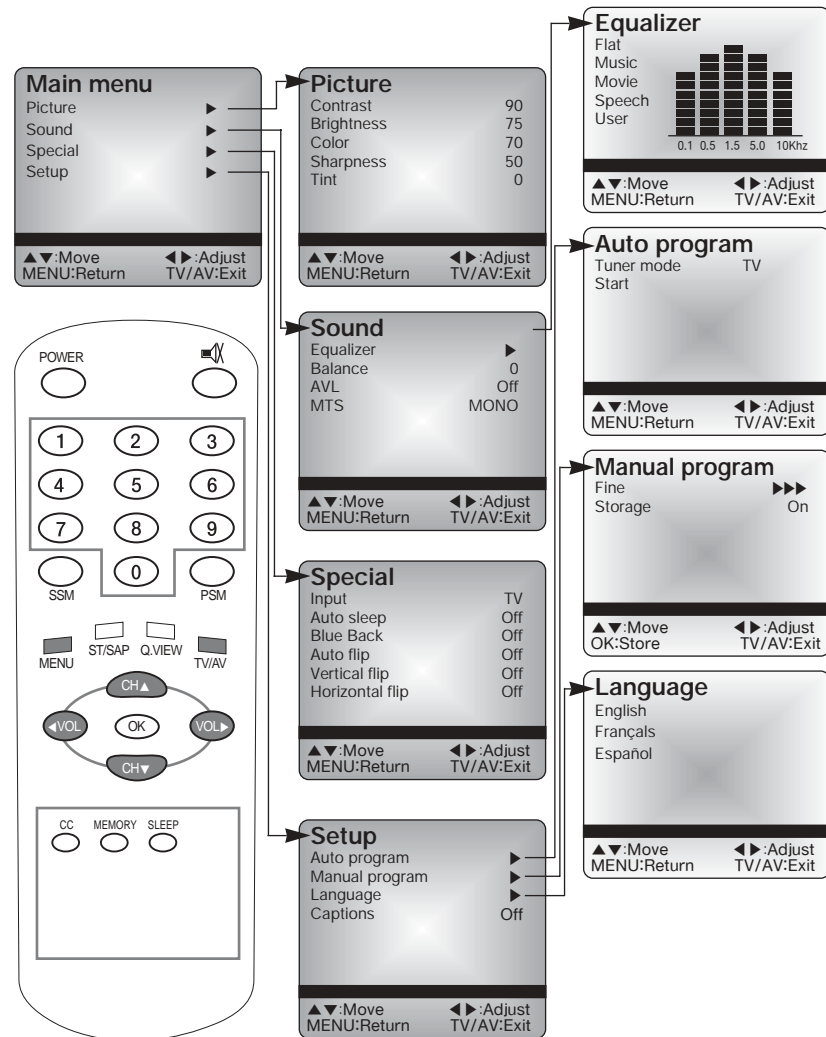
- Press the **MENU** button
- Select the **Setup** menu.
- Select the **Language** option.
- Use the **CH▲▼** button to select your desired language.
- Press the **TV/AV** button.

All the on screen displays will appear in the selected language.



On Screen Menus and Displays

1. Press the **MENU** button to display main menu.
2. Use the **CH ▲▼** button to select menu options for Picture, Sound, Special, Setup.
3. Adjust each menu option with the **VOL ◀▶** button.
4. Press the **MENU** button to return to preceding menu.
5. Press the **TV/AV** button to exit menus and return to TV viewing.



Channel Search

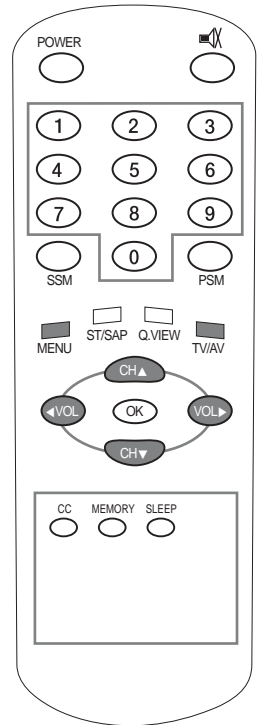
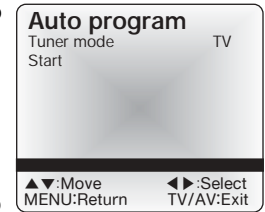
- * This function can be operated only when the TV is set up to receive incoming signals from broadcasting stations and the antenna cable is connected.
- * Auto program memorizes all the channels from terrestrial TV signals or CATV.

Auto Program

All channels that can be received are stored by this function. It is recommended that you use Auto Program to find available channels during installation of this TV.

1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Select **Auto program**.
4. Press the **CH ▲▼** button to select **Tuner Mode**.
5. Select a TV system with the **VOL ◀▶** button. All Channels that can be received are stored by this method. It is recommended that you use auto Program during installation of this set.
TV ↔ CATV
6. Select the menu using the **CH ▲▼** button.
7. Start Auto Program by press the **VOL ◀▶** button.
8. Press the **MENU** button when channel search is complete.
9. Press the **TV/AV** button to return to normal TV viewing.

- * Press the **CH ▲▼** buttons to check the memorized channels after auto program is finished.
- * If you press the **MENU** button during auto programming, the function will stop and only channels programmed up to that time will remain.
- * Auto programming function can memorize only the channels, which are being received at that time

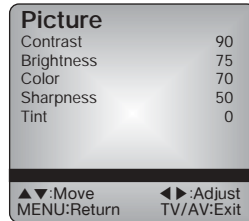


Picture Control

You can adjust picture contrast, brightness, color, sharpness and Tint to the levels you prefer.

Manual Picture Setup

1. Press the **MENU** button.
2. Select the **Picture** menu.
3. Use the **CH▲▼** button to select a picture menu option.
4. Use the **VOL◀▶** button to adjust the option to your preference.
5. Press the **TV/AV** button to store **User mode** changes.



Selected Item	Setting Change
Contrast	More darkness VOL◀ 0~100 ▶VOL More light
Brightness	Less bright VOL◀ 0~100 ▶VOL More bright
Color	Lower color intensity VOL◀ 0~100 ▶VOL Higher color intensity
Sharpness	Soft picture VOL◀ 0~100 ▶VOL Sharp picture
Tint	More purple VOL◀ 50~50 ▶VOL More green

Auto Picture Control Setup

PSM (Picture Status Memory)

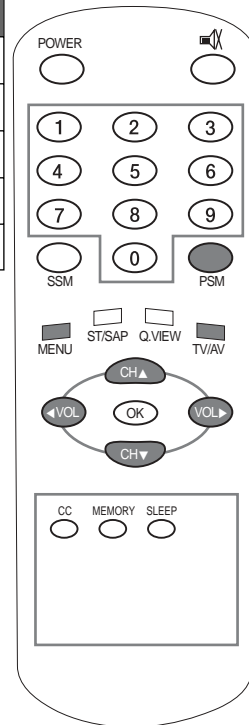
* Picture options **Dynamic, Standard, Mild, Game** are programmed for optimum reproduction at the factory and cannot be changed.

1. Press the **PSM** button.
2. Press the **PSM** button repeatedly to select desired option.
3. Press the **OK** button.

Each press of the button changes the screen display as below.

Dynamic → Standard → Mild → Game → User

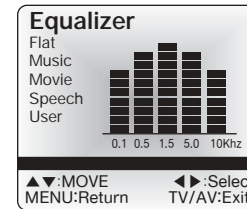
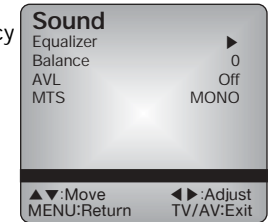
- **Dynamic:** Vivid Picture Appearance
- **Standard:** Standard Picture Appearance
- **Mild:** Softer Picture Appearance
- **Game:** External Video Game Picture Setup
- **User:** Manual Picture Setup



Sound Setup

You can select your preferred sound setting: Flat, Music, Movie or Speech. You can also adjust the sound frequency using equalizer and left/right speaker balance.

1. Press the **MENU** button.
2. Select the **Sound** menu.
3. Use the **CH▲▼** button to select the desired option; **Equalizer, Balance, AVL** or **MTS**.
4. Use the **VOL◀▶** button to make desired adjustments.

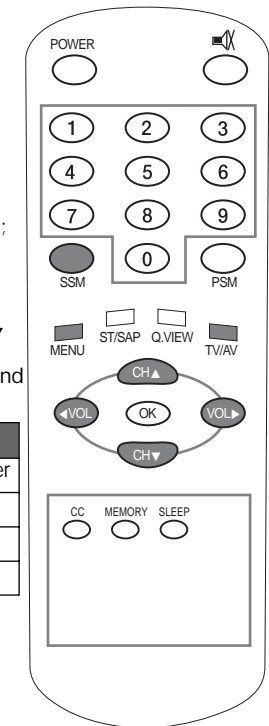


5. Use the **CH▲▼** button to select your preferred setting ; **Flat, Music, Movie, Speech** or **User**.

To set the **Equalizer User**,

- a. Select **User** by pressing the **CH▲▼** button.
- b. Select a sound band by pressing the **VOL◀▶** button.
- c. Make appropriate sound level changes with the **CH▲▼** button.
- d. Use the **MENU** button to return to the previous menu and the **TV/AV** button to return to normal TV viewing.

Selected Item	Setting Change
Equalizer	Flat ↔ Music ↔ Movie ↔ Speech ↔ User
Balance	50~50
AVL	On ↔ Off
MTS	STEREO ↔ MONO ↔ SAP



Auto Sound Control

SSM (Sound Status Memory)

* Sound option **Flat, Music, Movie** and **Speech** are programmed for optimum reproduction at the factory and cannot be changed.

1. Press the **SSM** button.
2. Press the **SSM** button repeatedly to select SSM option.
3. Press the **OK** button.

Each press of the button changes the option as shown below.

Flat → Music → Movie → Speech → User

Additional Features

TV, COMPONENT, VIDEO and S-VIDEO Sources

Available picture and sound sources connected to the TV.

External equipment inputs: VIDEO or S-VIDEO mode are used for video devices like VCRs, DVDs, etc.), COMPONENT, is used for component type devices.

Note : If a VCR is connected to the antenna jack, use TV mode. See External Equipment Connection section.

1. Press the **MENU** button.
2. Select the **Special** menu.
3. Use the **CH▲▼** button to select the **Input option**.
4. Use the **VOL◀▶** button to select;
TV, COMPONENT, VIDEO and S-VIDEO.

COMPONENT : Device connected to the COMPONENT INPUT jacks.

VIDEO : VIDEO device connected to the TV's VIDEO input.
S-VIDEO : S-VIDEO device connected to the TV's S-VIDEO input.

Note : You can also select the TV, COMPONENT, VIDEO, or S-VIDEO sources using the TV/AV button.

Auto sleep

With **Auto Sleep set to On** the TV will automatically switch itself to standby mode approximately ten minutes after a TV Channel stops broadcasting.

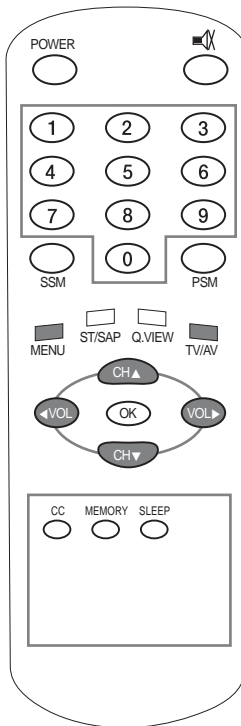
1. Press the **MENU** button.
2. Select the **Special** menu.
3. Use the **CH▲▼** button to select **Auto sleep**.
4. Use the **VOL◀▶** button to select **On**.
5. Use the **TV/AV** button to return to normal TV viewing.

Blue background

Channels without a program signal appear in blue.

Special	
Input	TV
Auto sleep	Off
Blue back	Off
Auto flip	Off
Vertical flip	Off
Horizontal flip	Off

▲▼:Move ◀▶:Adjust
MENU:Return TV/AV:Exit



Additional Features

Auto Flip

Automatically reverses the picture to the correct orientation. You can install this TV right side up, upside down, or under a cabinet. If needed, the TV will reverse the picture for the viewer. Select On in the menu.

Vertical Flip

When this function is on, the picture is flipped over up-down and left-right.

Horizontal Flip

When this function is on, the screen is flipped over left and right.

Sleep Timer

Sleep timer automatically turns the TV off and switches it to standby mode after the preset time expires. Press the **SLEEP** button to select the number of minutes before turnoff.

The display will appear on the screen, followed by 0, 10, 20, 30, 60, 90, 120, 180 and 240. The timer begins to count down from the number of minutes selected.

- Note** :
- a. To see remaining sleep time, press the **SLEEP** button once.
 - b. To cancel sleep time, press the **SLEEP** button repeatedly until the display shows "0".

ST/SAP

Press the **ST/SAP** button.

You can select the Sound output system-Stereo, Mono and SAP and the language during dual language broadcast.

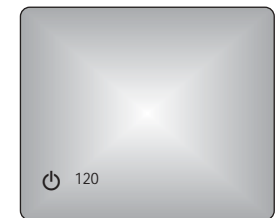
Original Picture



Vertically Flipped Picture



Horizontally Flipped Picture

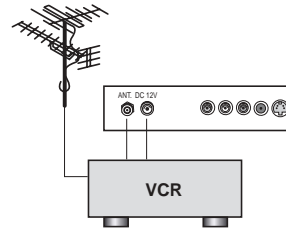


External Equipment Connections

You can connect additional equipment, such as VCRs to your set. Examples are shown below.

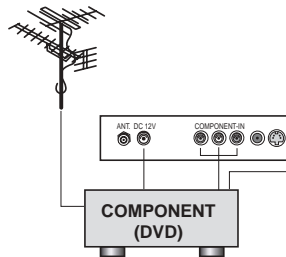
VCR Antenna Connection

1. Connect RF out on the VCR to the Antenna input on the rear of the TV.
2. Connect the antenna cable to the antenna in jack on the VCR.
3. Use the **TV/AV** button to select Antenna Input source.
4. Press the **PLAY** button on the VCR.



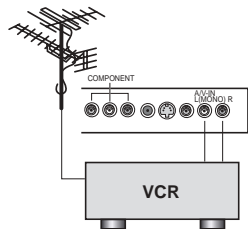
COMPONENT INPUT

1. Connect the COMPONENT video outputs (Y Cb Cr) on a DVD player to the COMPONENT INPUTs on the TV.
2. Use the **TV/AV** button to select COMPONENT source.
3. Press the **PLAY** button on the DVD player.



Audio/Video-Inputs

1. Connect the A/V out jacks on a VCR to A/V-IN jacks on the TV.
 2. Use the **TV/AV** button to select VIDEO mode.
 3. Press the **PLAY** button on the VCR.
- The VCR playback picture appears on the TV screen.

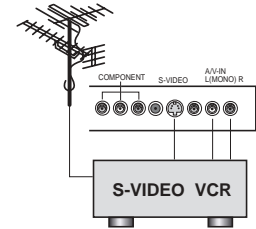


External Equipment Connections

S-VIDEO Inputs

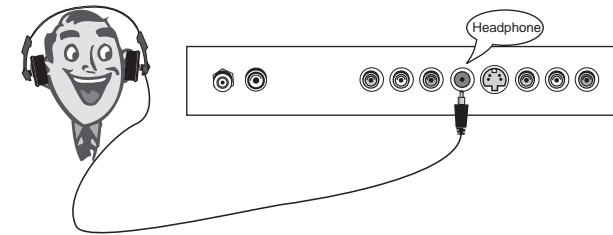
If using an **S-VIDEO** source, the picture quality will be improved over a video source.

1. Connect the **S-VIDEO** output of a VCR to the S-VIDEO input on the TV.
 2. Connect the audio cables from the S-VIDEO VCR to the **L (MONO) R** inputs on the TV.
 3. Select **S-VIDEO** mode by pressing the **TV/AV** button repeatedly.
 4. Press the **PLAY** button on the VCR.
- The VCR playback picture appears on the screen.



Headphone Jack

Insert a headphone plug into the headphone jack on the TV. You can listen to the sound through the headphones; no sound from the speakers on the TV. To adjust the headphone volume, use the **VOL** ◀▶ button. If you press the **MUTE** button, the sound from the headphone is turned off.



Specifications

Model	L10V22			
TV Cabinet	Horizontal size	10.55 in	Thickness	1.65 in
	Height	8.42in	Weight	3.09lb
Power requirements	DC 12V/3.0A			
Television system	NTSC			
Television channels	VHF: 2~13 UHF :14~69 Cable : 01~125			
TV Screen	10.4" LCD panel			
Power consumption	22W			
External antenna impedance	75Ω			
Audio output	1.0W + 1.0W			
External input ports	<ul style="list-style-type: none"> • ANTENNA INPUT • COMPONENT INPUTS • S-VIDEO INPUT 	<ul style="list-style-type: none"> • DC POWER INPUT • HEADPHONE JACK • AV INPUTS 		
AC Power Adaptor	AC 100-240V~3.0A, 50/60Hz			

Troubleshooting

Problem	Check item
No picture on screen and no sound from speakers	<ul style="list-style-type: none"> • Insert the AC power cord plug securely in AC power outlet. • Make sure the TV is not in the standby mode (The POWER/Standby indicator is red.) • Turn on the MAIN POWER button on the side of the TV.
No picture/No picture from AV terminal	<ul style="list-style-type: none"> • Check the brightness setting on the TV. • Lamp may have malfunctioned or burned out. • Make sure video source is turned on and is connected to the VIDEO INPUT terminal.
Picture is displayed, but no sound from the speakers.	<ul style="list-style-type: none"> • Check the sound setting. • Make sure the sound is not muted. • Make sure headphones are not connected. • Make sure the connectors of the optional speaker system are securely connected. • Check the A/V device OUTPUT setting.
Picture is too light	<ul style="list-style-type: none"> • Check COLOR and CONTRAST settings.
Picture is too dark.	<ul style="list-style-type: none"> • Make sure BRIGHTNESS is not set too low. • Check BRIGHTNESS setting. • Lamp may have malfunctioned or burned out.
Remote control does not work.	<ul style="list-style-type: none"> • Change the batteries. • Make sure the infrared remote control window on the TV is not blocked or receiving strong light such as sunlight or from fluorescent lamps.
No picture from AV OUT terminal.	<ul style="list-style-type: none"> • Make sure A/V-IN is not set as source. • Make sure the input source is A/V.
The picture is not sharp. The picture moves.	<ul style="list-style-type: none"> • Reception may be weak. • The broadcast may also be poor quality. • Make sure the antenna is facing the right direction. • Make sure the outside antenna is not disconnected.
The picture is doubled or tripled.	<ul style="list-style-type: none"> • Make sure the antenna is facing the right direction. • There may be reflected electric waves from mountains or buildings.
The picture is spotted.	<ul style="list-style-type: none"> • There may be interference from automobiles, trains, high voltage lines, neon lights, etc. • There may be interference between the antenna cable and power cable. Try positioning them further apart.
There are stripes on the screen or colors fade.	<ul style="list-style-type: none"> • Is the TV receiving interference from other devices? Transmission antennas of radio broadcasting stations and transmission antennas of amateur radios and cellular phones may also cause interference. • Use the TV as far apart as possible from devices that may cause possible interference.
Picture doesn't flip over automatically.	<ul style="list-style-type: none"> • Check the Auto flip setting in the Special menu.