

LCD Flat Panel

LCD-1700 & LCD-2000

Operation Manual



LCD-1700



LCD-20002005

WELCOME TO THE BRIGHT AND VIVID WORLD OF POLAROID COLOR TV

Dear customer,

Thank you for purchasing this Polaroid Color LCD TV. We hope you enjoy many years of viewing pleasure.

The goal of this manual is to guide you through setting up and operating your Polaroid LCD TV as quickly and easily as possible.

Please read all the safety and operating instructions carefully before you begin.

SAFETY CLASS

This is an IEC safety class I product and must be grounded for safety.

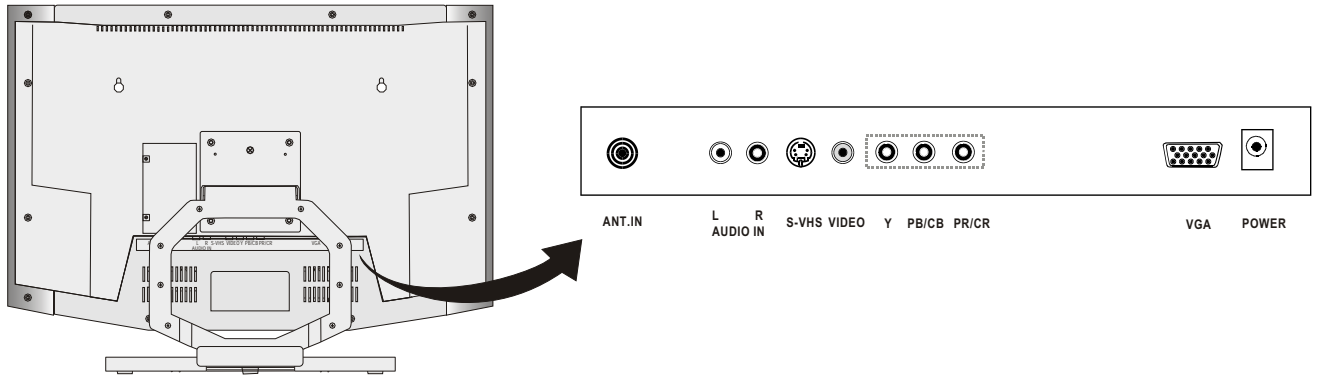
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Brief Operating Instructions

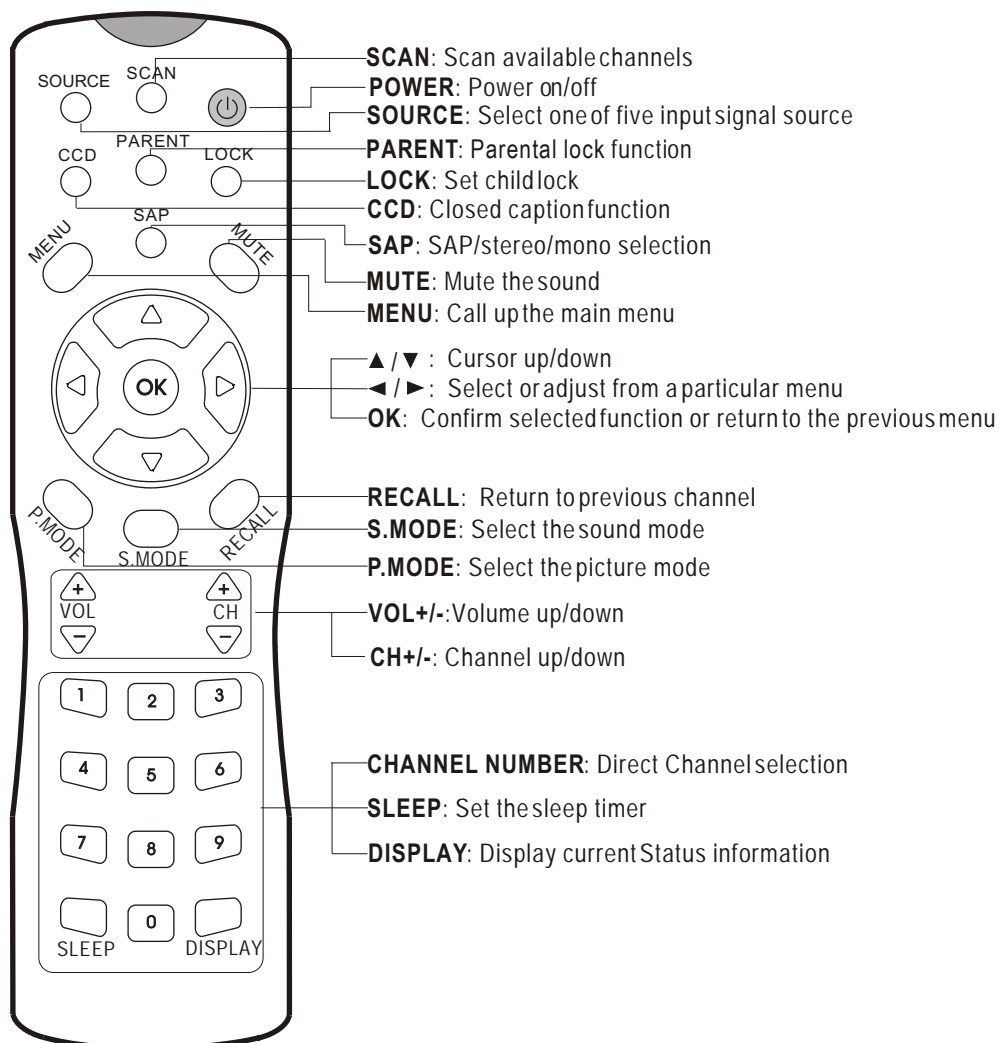
1.Connection

Connect the antenna lead or CATV cable or external equipments(such as Antenna, Cable TV ,VCD,DVD, VTR,Set top box,etc.)to the corresponding terminals or interface on the TV rear(please refer to the owner's manual of the equipment to be connected as well)and confirm that the signal source is available and works normally.



2.The remote control

Open the back battery cover on the remote control and install two AAA size batteries and then close the battery cover.



3.Switching on/off

- 1)Connect the TV to power outlet, the power indicator will display red. Press the power switch or the **POWER** button on the remote control to turn on the TV.
- 2)Press the power switch or the **POWER** button on the remote control to turn off the TV.

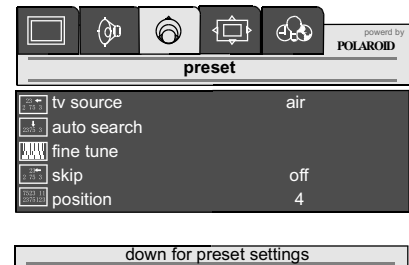
4.Signal source selection

Press the number [1-9] button or **CH+** or **CH-** button to select TV input; press the **SOURCE** button to select TV, Component Video, Analog RGB, Composite Video or S-Video.

5.Air/Cable selection

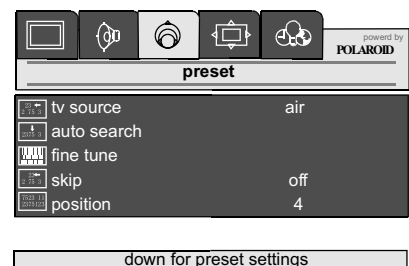
You can select the signal receiving method according to the following steps:

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **PRESET**, and press the [▼] button to enter **PRESET** menu.
- 3) Press the [▲ or ▼] button to select the item **tv source**.
- 4) Press the [▶] button to change the item among **air**, **catv s**, **catv h** and **cath i**.



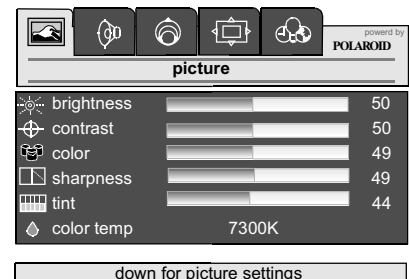
6.Channel search

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **preset**, and press the [▼] button to enter **preset** menu.
- 3) Press the [▲ or ▼] button to select the item **auto search**.
- 4) Press the [▶] button to start auto search channels.



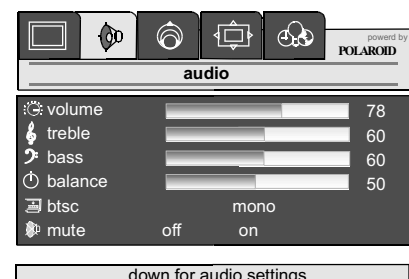
7.Picture adjustment

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **picture**, and press the [▼] button to enter **picture** menu.
- 3) Press the [▲ or ▼] button to select the item you want to adjust.
- 4) Press the [◀ or ▶] button to adjust the level.



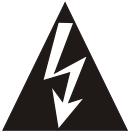

8.Audio adjustment

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **audio**, and press the [▼] button to enter **audio** menu.
- 3) Press the [▲ or ▼] button to select the item you want to adjust.
- 4) Press the [◀ or ▶] button to adjust the level.



Note1: All keys mentioned above are on the remote control unless indicated otherwise.

Note2: For more detailed information, please refer to the user's manual.

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



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.



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 TV.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the users authority to operate this equipment.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Important safeguards

- 1. Read instructions**
All the safety and operating instructions should be read before the TV is operated.
- 2. Retain instructions**
The safety and operating instructions should be retained for future reference.
- 3. Heed warnings**
All warnings on the TV and in the operating instructions should be adhered to.
- 4. Follow instructions**
All operating and use instructions should be followed.
- 5. Cleaning**
Unplug the TV from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 6. Attachments**
The manufacturer of this unit does not make any recommendations for attachments, as they may cause hazards.
- 7. Water and moisture**
Do not use this TV near water. For example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
- 8. Accessories**
Do not place this TV on an unstable cart, stand, tripod, bracket, or table. The TV may fall, causing serious injury to someone, and serious damage to the appliance. An TV and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the TV and cart combination to overturn.
- 9. Ventilation**
Slots and openings in the cabinet back or bottom are provided for ventilation, to ensure reliable operation of the TV and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the TV on a bed, sofa, rug, or other similar surface. This TV should never be placed near or over a radiator or heat resource. This TV 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.
- 10. Fragility**
The LCD panel used in this product is made of glass. Therefore, it can be broken when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the LCD panel breaks.



S3126A

Important safeguards

11. Powersource

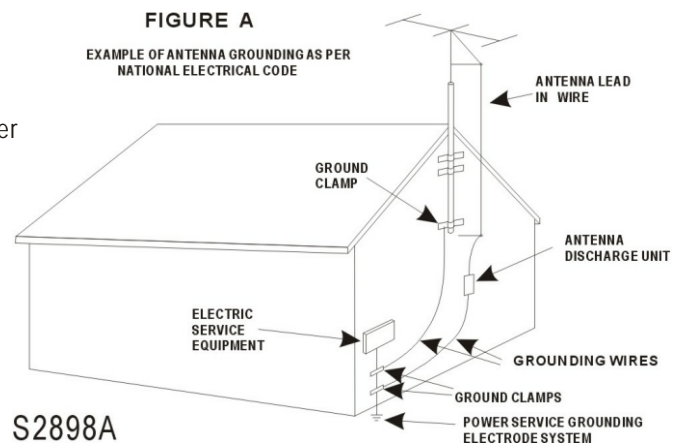
This TV should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For TVs intended to operate from battery power, or other sources, refer to the operating instructions.

12. 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 appliance.

13. Outdoor antenna Grounding

If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA NO. 70, 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 requirements for the grounding electrode.



14. Lightning

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

15. 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. 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.

16. Overloading

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

17. Object and liquid entry

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

18. Servicing

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

19. Damage requiring service

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

- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled, or objects have fallen into the TV.
- If the TV has been exposed to rain or water.
- If the TV 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 TV to its normal operation.
- If the TV has been dropped or damaged in any way.
- When the TV exhibits a distinct change in performance, this indicates a need for service.

20. Replacement parts

When replacement parts are required, be sure the service technician uses replacement parts specified by us that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, injury to persons or other hazards.

21. Safety check

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

22. Heat

This TV product should be situated away from heat sources such as radiation, stoves, or other products (including amplifiers) that produce heat.

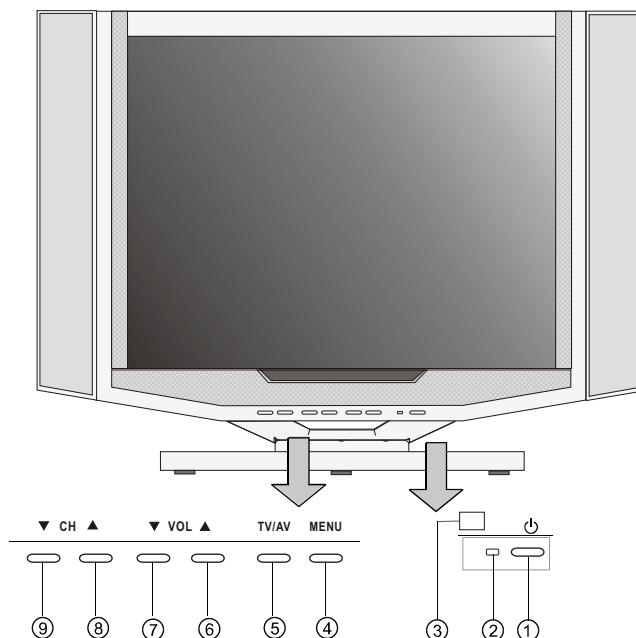
23. Non-active pixels

The LCD panel is a very high technology product with 921,600 thin film transistors, 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 that this does not affect the performance of your product.

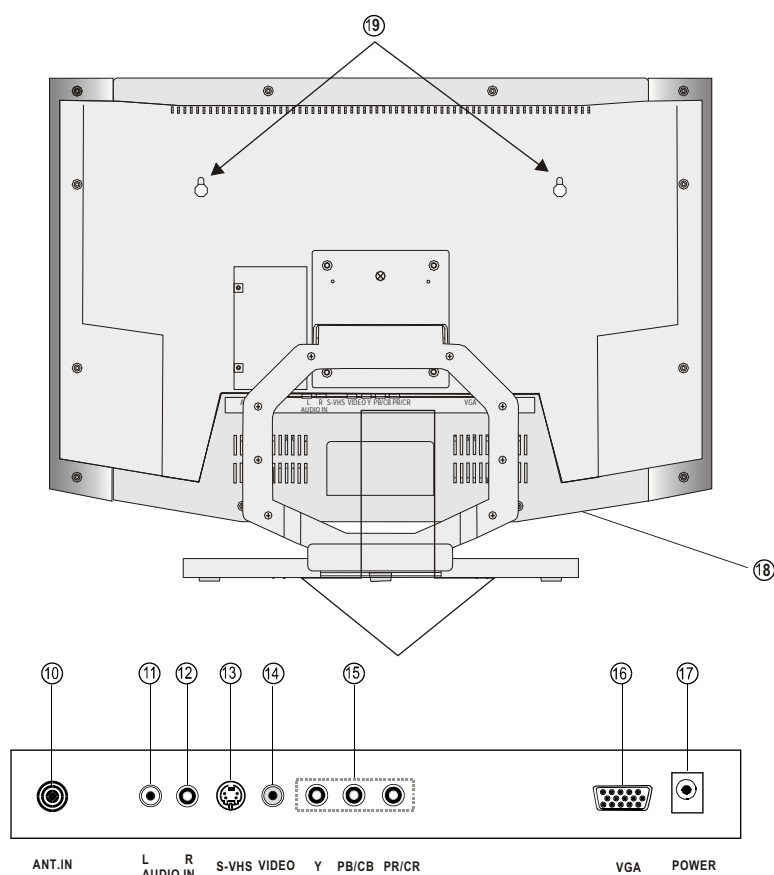
Learning about your new TV

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

Front Controls



Back Connections



Note: The above figures are for reference only, please refer to the actual units to determine their appearance.

Learning about your new TV

- | | | |
|-----------------------------|------------------------------|-------------------------------|
| ① POWER button (standby) | ⑧ Channel up / cursor up | ⑮ YPBPR/YCBCR input |
| ② POWER indicator | ⑨ Channel down / cursor down | ⑯ PC VGA input |
| ③ Remote Sensing Window | ⑩ CATV antenna input | ⑰ POWER PLUG |
| ④ MENU button | ⑪ AV audio input L | ⑱ Headphone jack |
| ⑤ TV / AV / PC input select | ⑫ AV audio input R | ⑲ Wall mounting locating hole |
| ⑥ Volume up / cursor right | ⑬ S-Video input | |
| ⑦ Volume down / cursor left | ⑭ AV Video input | |

Selecting a location for the TV

- 1) Place the TV on the floor or on a sturdy platform in a location where light does not directly hit the screen.
- 2) Place the TV far enough from the walls to allow proper ventilation. Inadequate ventilation may cause overheating, which may damage the TV.

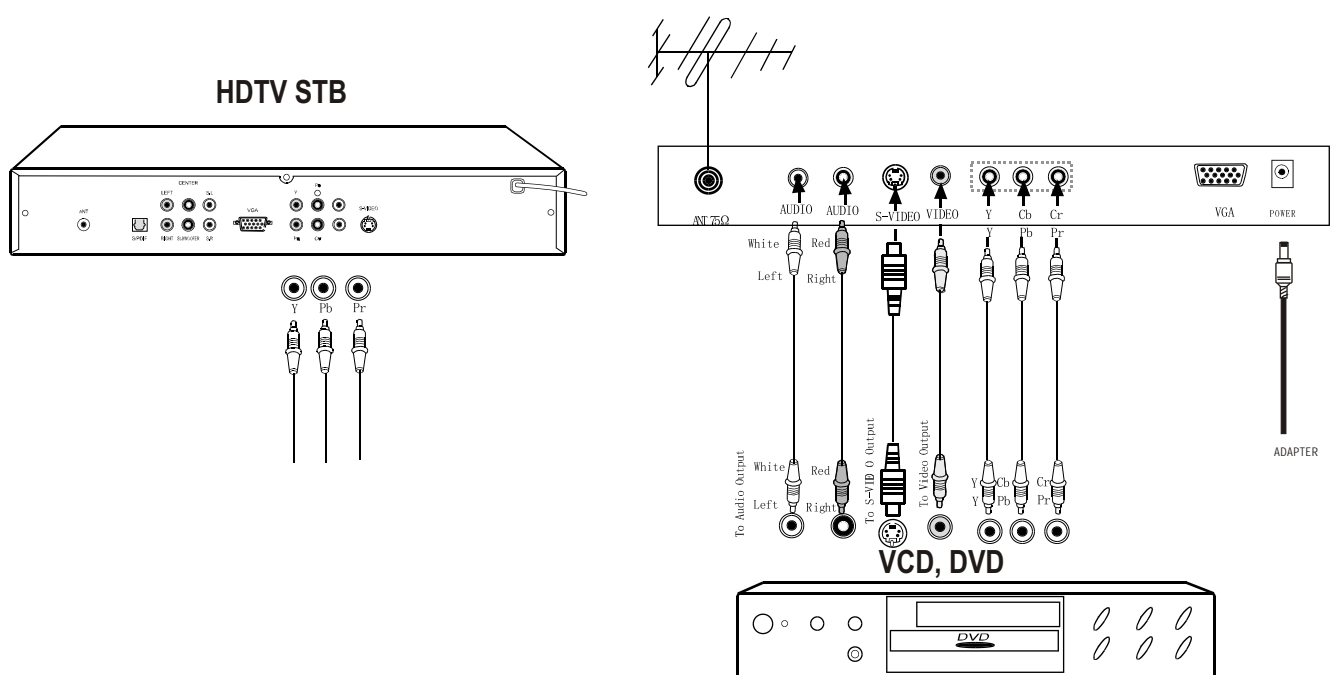
NOTE: Please contact local dealer for wall mounting.

Connecting your TV

Caution: Do not plug the TV in until you have finished connecting all of your equipment.

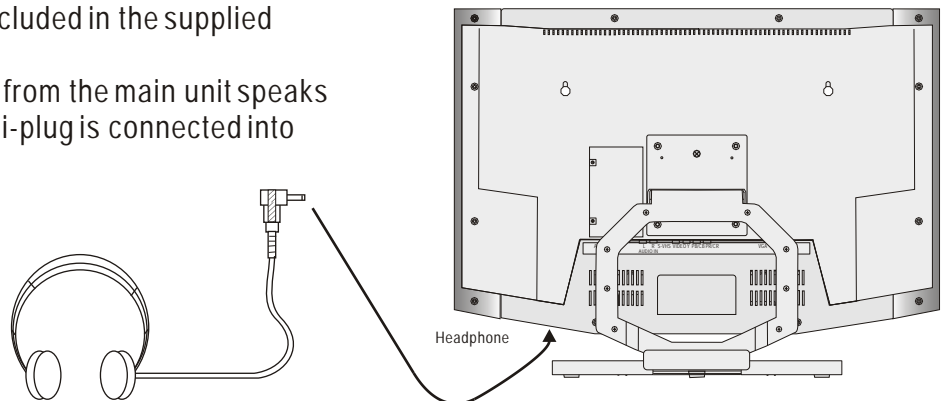
Connecting audio/visual equipment

Follow the instructions below to hookup a VCR, DVD, STB, satellite receiver, camcorder, audio amplifier, etc.
Use your remote control to select signal sources.



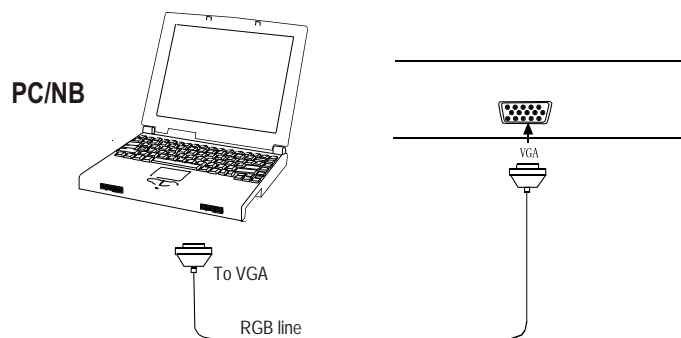
Connecting your TV

- NOTE: 1) Headphones are not included in the supplied accessories.
2) No sound will be heard from the main unit speaks when a headphone mini-plug is connected into the headphone jack.



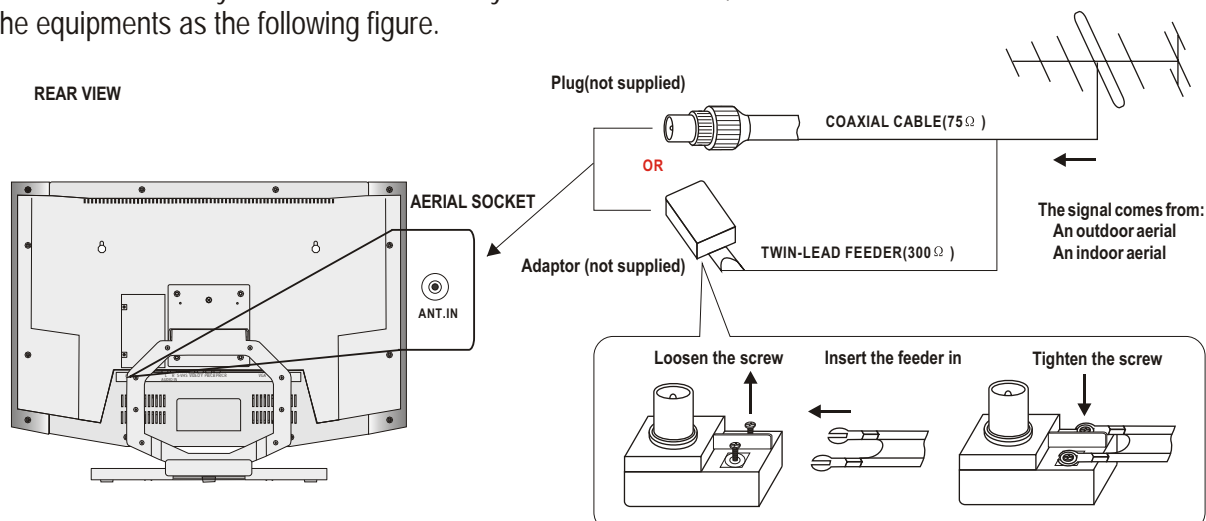
Connecting the PC or NB

You can use your TV as a monitor for your PC or NB by connecting through its 15pin standard RGB interface . Connect the devices as shown below.



Connecting the aerial

To enjoy the terrestrial signal transmitted by your local TV station, you need an indoor or outdoor aerial (not supplied). Perfect picture quality requires a good signal and generally means that an outdoor aerial must be implemented. The exact type and location of the aerial will depend on your particular area. Consult your local dealer or service personnel for best advice. If you are a subscriber of your local CATV net, the outdoor or indoor aerial is not needed. Connect the equipments as the following figure.



Connecting your TV

Connecting a cable converter box

This television has an extended tuning range and can tune most cable channels without using a cable company supplied converter box. Some cable companies offer premium pay channels in which signal is scrambled. Descrambling these signals for normal viewing requires the use of a descrambler device which is generally provided by the cable company.

For subscribers to Basic Cable TV Service

For basic cable service not requiring a Converter/Descrambler box, connect the CATV 75 ohm Coaxial Cable directly to the Antenna Jack on the back of the television.

For subscribers to Scrambled Cable TV Service

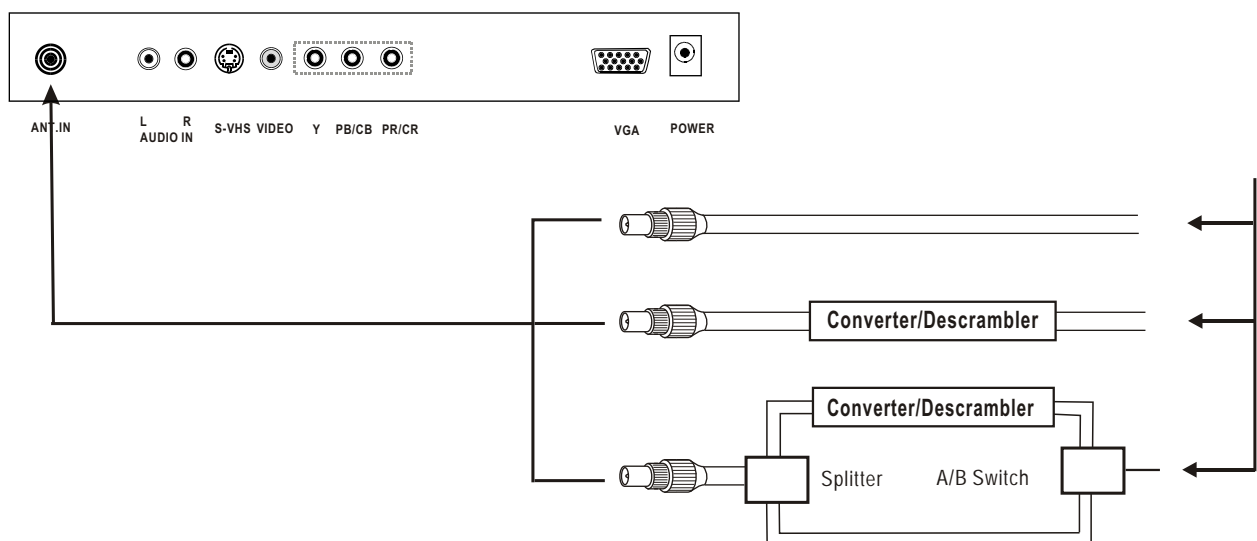
If you subscribe to a cable service which requires the use of a Converter/Descrambler box, connect the incoming cable to the Converter/Descrambler box and connect the output of the box to the Antenna Jack on the back of the television. Follow the connections shown below. Set the television to the output of the Converter/Descrambler box(usually channel 3 or 4)and use the Converter/Descrambler box to select channels.

For Subscribers to Unscrambled Basic Cable with Scrambled Premium Channels

If you subscribe to a cable service in which basic cable channels are unscrambled and premium channels require the use of a Converter/Descrambled box, you may wish to use a two-set signal splitter(sometimes called[two set coupler) and an A/B Switch box from the cable installer or an electronics supply store. Follow the connections shown below. With the switch in the **B** position, you can directly tune any nonscrambled channels on your TV. With the switch in the **A** position, tune your TV to the output of the Converter/Descrambler box(usually channel 3 or 4) and use the box to tune scrambled channels.

Note:

When you use a converter box with your TV, there may be features that you cannot program using the remote control.

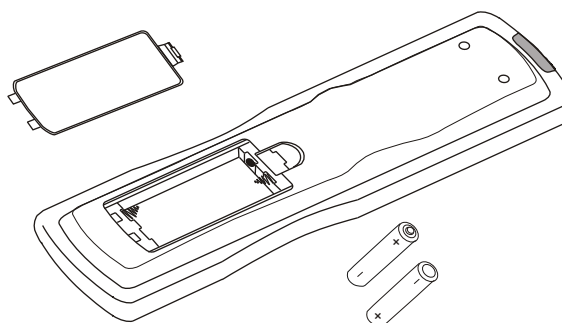


Using the remote control

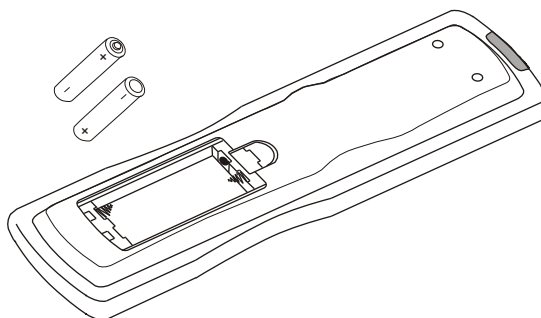
Preparing the remote control for use

Installing the remote control batteries

1. Open the battery cover on the back of the remote control.



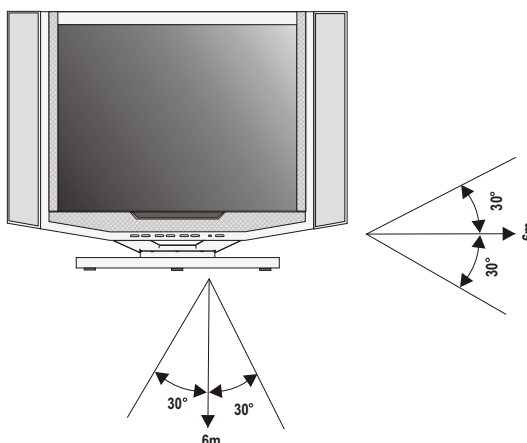
2. Install two AAA size(1.5V) batteries. Match the + and - signs on the batteries to the signs on the battery compartment.



3. Close the battery cover.

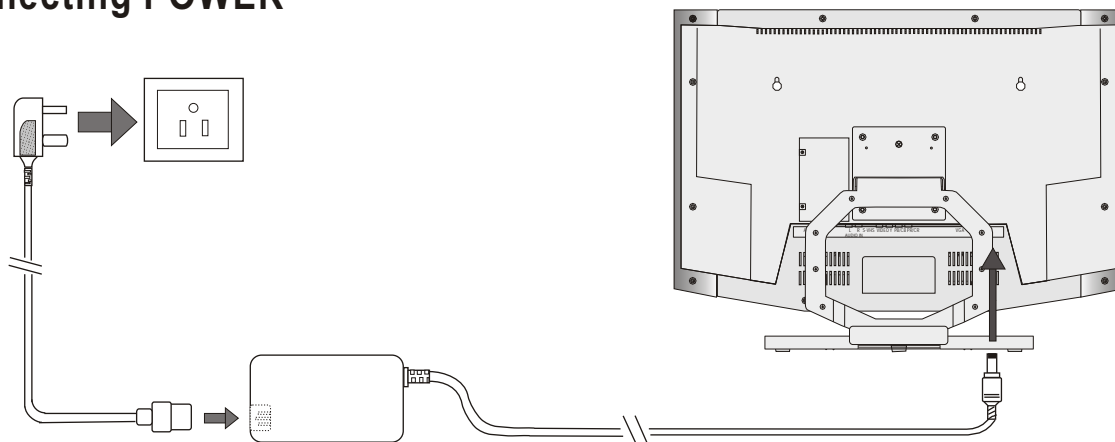
Note:

1. Dispose of your batteries in a designated disposal area. Do not throw your batteries into fire.
2. Do not mix battery types or combine used batteries with new ones.
3. Remove dead batteries immediately to prevent battery acid from leaking into the battery compartment.
4. If you do not intend to use the remote control for a long time, remove the batteries.
5. The effective range of remote control is suggested in the figure.



Shortcut keys operation

Connecting POWER



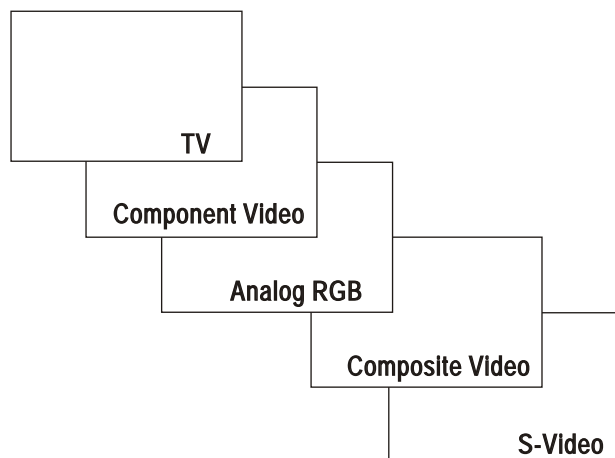
- Notes: 1. Use a commercially available AC plug adapter, if necessary, depending on the design of the wall outlet.
2. Always unplug the AC adapter from the product and power outlet when not using for a long period of time.

ON/OFF Standby

Press **POWER** on the remote control to turn off the LCD TV, the POWER indicator will turn red.
Press **POWER** again to turn the LCD TV back on, the POWER indicator will turn blue.

Selecting the signal source

1. Turn on the power of the connected video equipment.
2. Press **SOURCE** select the applicable input source. The screen displays TV, Component Video, Analog RGB, Composite Video or S-Video mode each time **SOURCE** is pressed.



DISPLAY	INPUT TERMINAL
TV	Antenna
Component Video	YCBCR/YPBPR
Analog RGB	D-Sub15
Composite Video	Composite Video
S-Video	S-Video

Shortcut keys operation

Adjusting sound volume

Press **VOL+** or **VOL-** on the remote control or **▼ VOL ▲** on the TV to increase or decrease the sound volume. The segment of the indicator will increase or decrease.

Muting the sound

Press the **MUTE** on the remote control to temporarily turn off the sound .To restore the sound, press **MUTE** again.The mute function is automatically turned off when any of the following buttons are pressed: **POWER**, **VOL+/-**, or **SAP** .

Changing channels

To change the channel, you can

- 1.Press **CH +** or **CH-** on the remote control or **▼ CH ▲** on the TV.
- 2.Press the channel number buttons(0-9).
 - 1) To select a one-digit channel : Press the 1-9 button to select channel directly.
 - 2) To select a two-digit channel : Press a button from 1-9 to select the first number, then press a button from 0-9 again to select the second number. For example, to select channel 28, press the 2 button first , --2 will appear on the screen, and then press the 8 button, -28 will appear on the screen for one second.
 - 3) To select a three-digit channel: Press the 1 button to select the first number, then press buttons from 0-9 successively to select the other two numbers. For example, to select channel 120, press the button 1 , --1 will appear on the screen, then press the button 2 and the button 0 successively.

Displaying the current channel number on screen

Press the **DISPLAY** button on the remote control, the current channel number and TV source mode will display on the top-right corner of the screen. Whenever you want to cancel it, press the **DISPLAY** button again.

Switching between two channels

Press the **RECALL** button on the remote control to return to the previous channel that you have just viewed. Press the **RECALL** button repeatedly, the screen will alternate between the present and previous channels.

Setting the child lock

Press the **LOCK** button to lock or unlock the TV.

When the TV is locked, the screen will turn to black background, and nothing can be viewed unless you press **LOCK** again to unlock it.

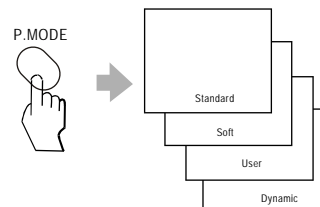
Setting the sleep timer

Press **SLEEP** on the remote control to display SLEEP TIMER screen. Press **SLEEP** continuously to progressively set the sleep timer for longer periods of time starting with 10 minutes, 20 minutes, 30 minutes, 60 minutes, 90 minutes, 120 minutes,180 minutes, 240 minutes and then back to 0 minute. Selecting 0 minute turns the sleep timer off.

Shortcut keys operation

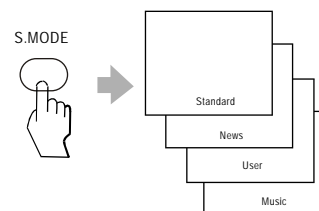
Selecting the picture mode

You can select the picture quality instantly from among three preset modes and one user-set mode. Press the **P.MODE** button on the remote control repeatedly to select the desired picture quality.



Selecting the sound mode

You can select the sound effect instantly from among three preset modes and one user-set mode. Press the **S.MODE** button on the remote control repeatedly to select the desired sound effect.



Selecting BTSC/SAP broadcasts

You can enjoy watching TV while you listen to high-fidelity stereo sound with the BTSC feature. BTSC can also transmit a second audio program(SAP) containing a second language or other audio information.

Press the **SAP** button on the remote control to switch among Mono, Stereo and SAP

NOTE: In the main menu, you can acquire the same effects by adjusting the sound menu.

Scanning all available channels

You can scan all available channels by press the **SCAN** button on the remote control .

Using CCD

You can set CCD function by press the **CCD** button on the remote control . See page 16 for more details .

Using Parental Function

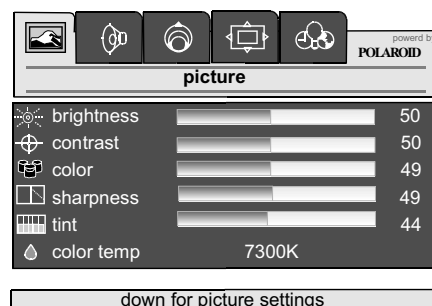
You can set Parental function by pressing the **PARENT** button on the remote control .See page 16 for more details .

Menu operation

Using the PICTURE menu

Adjust picture settings

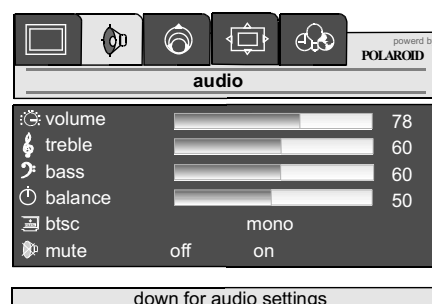
- 1) Press the **MENU** button to enter the main menu.
 - 2) Press the [◀ or ▶] button to select the item **PICTURE**, and press the [▼] button to enter **PICTURE** menu.
 - 3) Press the [▲ or ▼] button to select the item you want to adjust.
 - 4) Press the [◀ or ▶] button to adjust the level.
 - 5) The adjusted data is stored automatically in the user mode.
- NOTE: 1) The disabled items will disappear. For example, **tint** will disappear unless the valid input signal is NTSC mode.
- 2) There are some differences among different input mode . For example, **phase** and **frequency** will disappear unless the input signal is from PC.
- 3) The item **color temp** is for reference only.



Using the AUDIO menu

Adjust audio settings

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **AUDIO**, and press the [▼] button to enter **AUDIO** menu.
- 3) Press the [▲ or ▼] button to select the item you want to adjust.
- 4) Press the [◀ or ▶] button to adjust the level.
- 5) The adjusted data is stored automatically in the user mode.



Using the PRESET menu

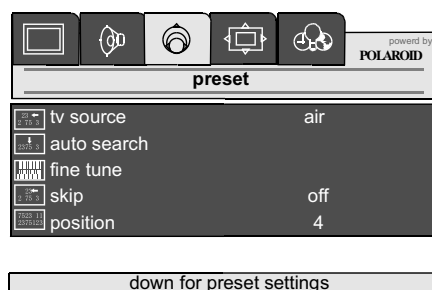
TV SOURCE

You can set tv source for different valid input RF signals.

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **PRESET**, and press the [▼] button to enter **PRESET** menu.
- 3) Press the [▲ or ▼] button to select **tv source**.
- 4) Press the [◀ or ▶] button to switch among **air**, **catv s**, **catv h** and **catv i**.

AUTO SEARCH

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **PRESET**, and press the [▼] button to enter **PRESET** menu.
- 3) Press the [▲ or ▼] button to select **auto search**.
- 4) Press the [◀ or ▶] button to start auto search.



Menu operation

FINE TUNE

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **PRESET**, and press the [▼] button to enter **PRESET** menu.
- 3) Press the [▲ or ▼] button to select **fine tune**.
- 4) Press the [◀ or ▶] button to fine tune the present channel.

SKIP

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **PRESET**, and press the [▼] button to enter **PRESET** menu.
- 3) Press the [▲ or ▼] button to select **skip**.
- 4) Press the [◀ or ▶] button to skip or unskip the present channel.

NOTE: The 'skipped' channels cannot be accessed by **CH+** or **CH-**, but you can access them by digit button.

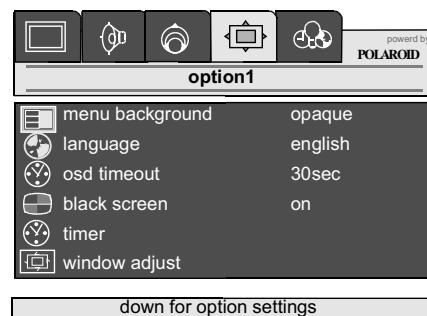
POSITION

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **PRESET**, and press the [▼] button to enter **PRESET** menu.
- 3) Press the [▲ or ▼] button to select **position**.
- 4) Press the [◀ or ▶] button to select the present channel.

Using the OPTION1 menu

MENU BACKGROUND

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **OPTION1**, and press the [▼] button to enter **OPTION1** menu.
- 3) Press the [▲ or ▼] button to select **menu background**.
- 4) Press the [◀ or ▶] button to switch menu background between **translucent** and **opaque**.



LANGUAGE

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **OPTION1**, and press the [▼] button to enter **OPTION1** menu.
- 3) Press the [▲ or ▼] button to select **language**.
- 4) Press the [◀ or ▶] button to select OSD language among **English**, **French** and **Spanish**.

OSD TIMEOUT

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **OPTION1**, and press the [▼] button to enter **OPTION1** menu.
- 3) Press the [▲ or ▼] button to select **osd timeout**.
- 4) Press the [◀ or ▶] button to select OSD disappear time among 5 seconds, 10seconds, 15 seconds, 20 seconds, 25seconds, 30seconds, 40seconds, 50seconds, 60seconds and never.

Menu operation

BLACK SCREEN

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **OPTION1**, and press the [▼] button to enter **OPTION1** menu.
- 3) Press the [▲ or ▼] button to select **black screen**.
- 4) Press the [◀ or ▶] button to switch between **on** and **off**.

NOTE: When you enable the black screen, the screen will turn into black screen saver mode in case of no valid input signal. The screen will turn into auto screen saver mode several seconds later, and into stand-by mode 15 minutes later.

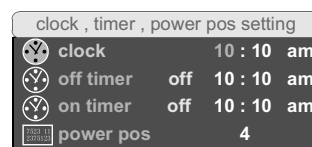
TIMER

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **OPTION1**, and press the [▼] button to enter **OPTION1** menu.
- 3) Press the [▲ or ▼] button to select **timer**.
- 4) Press the [◀ or ▶] button to enter **timer** menu.
Press the [▲ or ▼] button to select the item you want to adjust.
Press the [◀ or ▶] button to change the value.

Clock: The item allows you to set the local time on the TV.

Off timer: The item allows the TV automatically to switch to standby mode when the preset time comes.

On timer: The item allows the TV automatically turns on to a preset channel when preset time comes.



right/left to adjust value , up/down to adjust item

WINDOW ADJUST

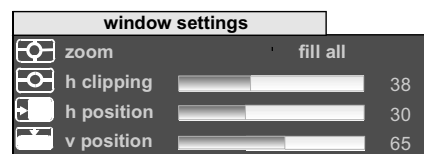
- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **OPTION1**, and press the [▼] button to enter **OPTION1** menu.
- 3) Press the [▲ or ▼] button to select **window adjust**.
- 4) Press the [◀ or ▶] button to enter **window adjust** menu.
Press the [▲ or ▼] button to select the item you want to adjust.
Press the [◀ or ▶] button to change the value.

Zoom: The item allows you to switch the size of TV image between **fill all**, **4:3** and **user**.

H clipping: The item allows you to extend or shorten the TV image in the horizontal direction.

H position: The item allows you to move the TV image in the horizontal direction.

V position: The item allows you to move the TV image in the vertical direction.



right/left to change image size.

NOTE: 1) The item **zoom** allows you to select the size of TV image among **fill all**, **fill aspect** and **1:1** in Analog RGB mode.

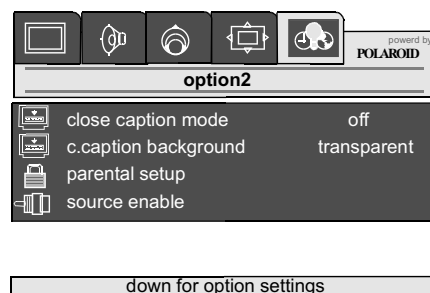
2) LCD-2000 has not **4:3** mode in **zoom** item.

Menu operation

Using the OPTION2 menu

CCD setup

You have two options with the closed caption feature: captions or text. A caption is a printed version of the dialogue, narration and/or sound effects of a TV program. Text is information not related to what is appearing on the TV screen.



CLOSE CAPTION MODE

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **OPTION2**, and press the [▼] button to enter **OPTION2** menu.
- 3) Press the [▲ or ▼] button to select **close caption mode**.
- 4) Press the [◀ or ▶] button to select your desired mode.

Note: By pressing the **CCD** button on the remote control, you can acquire the same effects.

C.CAPTION BACKGROUND

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **OPTION2**, and press the [▼] button to enter **OPTION2** menu.
- 3) Press the [▲ or ▼] button to select **c.caption background**.
- 4) Press the [◀ or ▶] button to change CCD background between **transparent** and **opaque**.

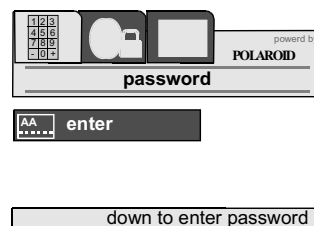
Parental setup

Parental enables parents to prevent their children from viewing certain programs or channels.

PARENTAL

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **OPTION2**, and press the [▼] button to enter **OPTION2** menu.
- 3) Press the [▲ or ▼] button to select **parental setup**.
- 4) Press the [◀ or ▶] button to enter **parental setup** menu.

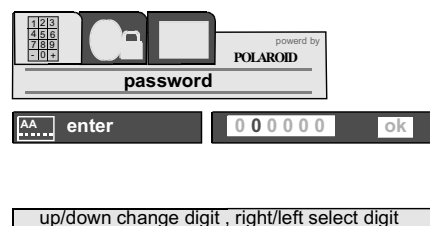
Note: By pressing the **PARENT** button on the remote control, you can acquire the same effects.



ENTER PASSWORD

Password is a six-digit number. The preset password is 000000. You must enter password to access the next three operations.

- 1) Press the [▲ or ▼] button to select **enter**, and press the [▶] button to enter **enter**.
- 2) Press the [◀ or ▶] button to select position, and press [▲ or ▼] button to input the digit.



Menu operation

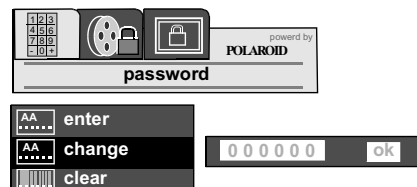
- 3) After entering the password, press [►] button to select **OK** , then press **OK** button on the remote control to confirm the password.

CHANGE PASSWORD

- 1) Press the [▲ or ▼] button to select **change** , and press the [►] to enter **change** .
- 2) Repeat steps 2) to 3) of **ENTER PASSWORD**.

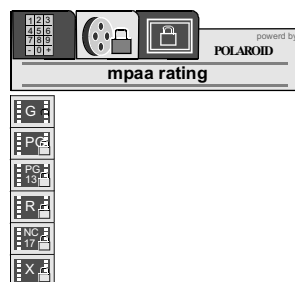
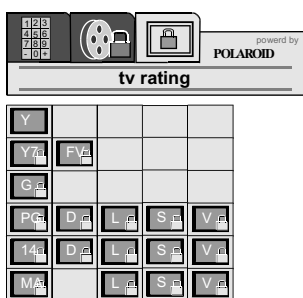
CLEAR PASSWORD DISPLAY

- 1) Press the [▲ or ▼] button to select **clear** .
- 2) Press the [►] button to clear the password display .



TV RATING/MPAA RATING

- 1) Press **MENU** button to return to **parental setup**.
- 2) Press the [◀ or ▶] button to select **tv rating** or **mpaa rating**, and press [▼] button to enter it.
- 3) Press the [▲ or ▼] [◀ or ▶] button to select the rating, and press **OK** button to block or unblock the selected rating.
- 4) Press **MENU** button to return.



Note:

As you block ratings, all ratings higher than the ones you select are blocked as well. For example, if you choose to block the MPAA rating R, the higher ratings, NC-17 and X, are automatically blocked too.

About TV Ratings

The TV ratings are divided into two groups: age-based and content-based.

Age	Defined as
TV-Y	All children
TV-Y7	Directed to older children
TV-G	General audience
TV-PG	Parental Guidance suggested
TV-14	Parents Strongly cautioned
TV-MA	Mature Audience only

Contents	Defined as
FV	Fantasy Violence
D	Suggestive dialogue
L	Strong language
S	Sexual situations
V	Violence

Menu operation

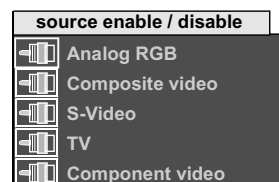
About MPAA Ratings

The Motion Picture Association of America(MPAA) uses a rating system to qualify motion picture content. Television broadcasters employ a rating system to qualify the content of television programs as well. The MPAA and TV ratings work with the parental feature and allow you to block out programming above the rating limits you determine.

Rating	Defined as
G	General audience
PG	Parental Guidance suggested
PG-13	Parents strongly cautioned
R	Restricted
NC-17	No one 17 and under admitted
X	Adult audience only

SOURCE ENABLE/DISABLE

- 1) Press the **MENU** button to enter the main menu.
- 2) Press the [◀ or ▶] button to select the item **OPTION2**, and press the [▼] button to enter **OPTION2** menu.
- 3) Press the [▲ or ▼] button to select **source enable** .
- 4) Press the [◀ or ▶] button to enter **source enable** menu.
- 5) Press the [▲ or ▼] button to select source, press [▶] button to toggle enable, press [◀] button to enable all .



right to toggle enable , left to enable all

Appendix

Cleaning and care

WARNING: TV sets use high voltage. Do not try to remove the cabinet back. Refer servicing to qualified service technicians.

To clean the TV screen:

- 1) Unplug the TV to avoid possible shock hazard.
- 2) Use a damp cloth or clean cellulose sponge to clean the TV screen and trim. Do not allow water to spill into the cabinet or damage may occur.
- 3) Wipe off any excess moisture with a clean dry cloth.
- 4) Polish the cabinet with a quality furniture polish to maintain the finish and appearance of the cabinet.

Caution: Never use strong solvents such as thinner, benzene, or other chemicals on or near the cabinet. These chemicals can damage the finish of the cabinet.

Customer important notice

1. When the TV can not be operated in some special situation, please unplug the power and restart.
2. Displaying a still picture for a long time will cause image sticking when the input signal is interlace. The image sticking will disappear when you turn off the TV for a moment.
We suggest do not display the still picture on the screen for a long time when the input signal is interlace.

Appendix

Troubleshooting

Before calling a service technician, please check the following table for a possible cause of the problem and some solutions.

Problem	Solution
TV will not turn on	<ul style="list-style-type: none">• Make sure the power cord is plugged in, then press POWER.• The remote control batteries may be dead. Replace the batteries.
No picture, no sound	<ul style="list-style-type: none">• Check the antenna/cable connections.
No sound, picture OK	<ul style="list-style-type: none">• The sound may be muted. Press VOL+.• The station may have broadcast difficulties. Try another channel.
Poor sound, picture OK	<ul style="list-style-type: none">• The station may have broadcast difficulties. Try another channel
Poor picture, sound OK	<ul style="list-style-type: none">• Check the antenna connections.• The station may have broadcast difficulties. Try another channel.• Adjust the picture from the menu.
Poor reception of broadcast channels	<ul style="list-style-type: none">• The station may have broadcast difficulties. Try another channel.• Check the antenna connections.• If you are using a VCR, make sure the TV/AV button is set correctly.
Unable to select a certain channel	<ul style="list-style-type: none">• The channel may be deleted with the Add/Del feature.
Multiple images	<ul style="list-style-type: none">• The station may have broadcast difficulties. Try another channel.• Use a highly directional outdoor antenna.
Poor color or no color	<ul style="list-style-type: none">• The station may have broadcast difficulties. Try another channel.• Adjust the TINT and COLOR in the menu.• If you change the direction of the TV while it is turned on, the picture could suffer from color shading. If so, turn off the TV and allow it to cool down for several hours before turning it on again.
The remote control does not operate	<ul style="list-style-type: none">• Check to see if the TV/AV mode is properly set.• There may be an obstruction between the remote control and the remote control sensor.• The remote control batteries may be dead. Replace the batteries.

Appendix

Specifications

	LCD-1700
LCD panel	17.1 INCHES TFT LCD
Television system	NTSC standard
Channel coverage	VHF: 2~13 UHF: 14-69 Cable TV: 2~13,A~W, W+1~W+84, A-5~A-1, 4A
Resolution	1280X768
Contrast	400:1
Brightness	450cd/m ²
Viewing angles	176°(H)/176°(V)
OSD language	English/French/Spanish
Power source	DC 12V , AC 100 - 240V ,47-63Hz
Power consumption	55W
Audio power	1.5W+1.5W
Lamp life	50,000 hours
Video/Audio terminals	RF input: Cable/ antenna RF × 1 VIDEO input: VIDEO × 1 S-VIDEO × 1 YPBPR/YCBCR × 1 GRAPHIC input: Analog RGB 15pin × 1 AUDIO input: AV audio × 1 AUDIO output: MINI-JACK FOR STEREO (3.5 ϕ) × 1
Dimensions	Width: 22-4/5inches Height: 15-7/10inches Depth: 10inches
Weight	22lbs
Supplied accessories	Remote control , Batteries , AC adapter , AC cord

■ Design and specifications are subject to change without notice.

Appendix

Specifications

	LCD-2000
LCD panel	20.1 INCHES TFT LCD
Television system	NTSC standard
Channel coverage	VHF: 2~13 UHF: 14-69 Cable TV: 2~13,A~W, W+1~W+84, A-5~A-1, 4A
Resolution	640X480
Contrast	350:1
Brightness	450cd/m ²
Viewing angles	176°(H)/176°(V)
OSD language	English/French/Spanish
Power source	DC 12V , AC 100 - 240V ,47-63Hz
Power consumption	62W
Audio power	1.5W+1.5W
Lamp life	50,000 hours
Video/Audio terminals	RF input: Cable/ antenna RF × 1 VIDEO input: VIDEO × 1 S-VIDEO × 1 YPBPR/YCBCR × 1 GRAPHIC input: Analog RGB 15pin × 1 AUDIO input: AV audio × 1 AUDIO output: MINI-JACK FOR STEREO (3.5 ϕ) × 1
Dimensions	Width: 24-2/5inches Height: 18-3/5inches Depth: 10inches
Weight	26lbs
Supplied accessories	Remote control , Batteries , AC adapter , AC cord

■ Design and specifications are subject to change without notice.