

# 30 INCH LCD COLOR TELEVISION

## USER'S MANUAL

© 2003 Medion USA, Inc. All rights reserved.

The information in this document is subject to change without notice.

## **Contents:**

<b><u>SAFETY AND PRECAUTIONS</u></b> .....	<b>1</b>
Operating Safety .....	1
Repair .....	2
Notes for Service Engineers .....	3
Point of use.....	4
Environmental conditions.....	4
Connecting .....	5
Standards/Electro-Magnetic Interference .....	7
Precautions .....	8
Important Additional Safety Instructions .....	8
Important information .....	9
FCC Compliance Statement .....	10
Declaration of Conformity .....	11
<b><u>INTRODUCTION</u></b> .....	<b>12</b>
<b><u>EQUIPMENT AND SET UP</u></b> .....	<b>13</b>
The Display .....	13
Special Display Features .....	13
Positioning the Display .....	14
Adjusting the Display Angle .....	14
Connections .....	15
Plugging in the Display .....	17
Connecting an Antenna .....	17
Connecting Cable TV (CATV) .....	17
Connecting Peripheral Equipment .....	17
Connecting a Subwoofer .....	18
Connecting a Personal Computer .....	18
Connecting Headphones .....	18
Display Controls.....	19
The Remote Control .....	21
Remote Control Quick Guide .....	22
<b><u>OPERATION</u></b> .....	<b>23</b>
General Adjustments .....	23
Turning the LCD TV On and Off.....	23
Accessing On-Screen Menus and Displays .....	23
Selecting a Mode (TV/AV/SV/CV/PC) .....	24
Adjusting the Volume .....	24
Switching Language Modes .....	25

TV Mode .....	25
Adjusting the TV Settings .....	25
Choosing a Track in Multi-Channel TV Sound.....	26
Adjusting the Picture Settings .....	26
Storing Channels in Memory .....	27
Changing Channels .....	29
Using Parental Controls .....	29
Viewing Closed Captions .....	34
AV/SV/CV MODE .....	35
Adjusting the AV/SV/CV Settings .....	35
PC Mode .....	36
Using the Contrast and Brightness Settings.....	36
Adjusting the Color Temperature .....	36
Using the PC Adjust Settings .....	37
Using the Audio Adjust Settings.....	37
Picture-in-Picture .....	38
Activating Picture-in-Picture .....	38
Adjusting Picture-in-Picture.....	38
Changing the Position of the PIP Window .....	39
Changing the Size of the PIP Window .....	39
Other Important Functions .....	40
Adjusting Screen Aspect Ratio (ARC).....	40
Using Automatic Picture Control.....	40
Setting the Sleep Timer .....	41
Resetting Audio and Video Levels.....	41
<u>TROUBLESHOOTING .....</u>	<u>42</u>
<u>WARRANTY .....</u>	<u>47</u>
<u>OTHER INFORMATION .....</u>	<u>49</u>
Liability limitations .....	49
Copying this manual.....	49



## SAFETY AND PRECAUTIONS

---

Please read through this section carefully and follow the instructions given. In this way you will guarantee reliable operation and a long life for your LCD TV. Always keep these instructions handy and close by your LCD TV. Keep the instructions and the packaging so that if you sell or give away your LCD TV you can give them to the new owner.

### OPERATING SAFETY



- **Never open the housing** of the LCD TV/power supply! When the housing is open there is a **danger of injury** from electric shock!

- Do not insert **any objects** through the slots and openings **into the inside of the LCD**. This may lead to an electrical short-circuit or even fire resulting in damage to your LCD TV.



- Slots and openings in the LCD TV are for ventilation purpose. **Do not cover these openings**, as otherwise this may lead to overheating.
- Do not allow **children** to play **unattended** on electrical equipment. Children may not always correctly recognize danger.
- This LCD TV is intended for personal use only. It **not** intended for commercial use in **a heavy industry environment**.
- An **injury hazard** exists when the **display breaks**. Wear protective gloves to pack the broken parts and send them into your service center for proper **disposal**. Then wash your hands with soap, because it is possible for **chemicals** to escape.
- Never exert pressure on the display. This could break the TV.

- Do not touch the display with your fingers or with sharp objects to avoid damage.
- Stand. Do not place the product on an unstable cart, stand, tripod, or table. Placing the product on an unstable base can cause it to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Use only mounting hardware recommended by the manufacturer.
- Moving the product. Use care when moving the product on a rolling cart. Sudden stops, excessive force, and uneven floor surfaces can cause the product to fall from a cart.



Please unplug the TV and contact Customer Care immediately if:

- ◆ the power cable/power supply overheats or is damaged
- ◆ liquid has gotten into the TV
- ◆ the LCD TV is dropped or the housing damaged

## REPAIR

- Leave all repairs of your LCD TV to **authorized and qualified personnel** only.
- Should a repair be necessary, please contact one of our authorized **service partners** only.

## NOTES FOR SERVICE ENGINEERS

- Before opening the housing, **disconnect the TV from all power sources and remove any connecting cables**. If the TV has not been disconnected from the power outlet before being opened, there is a **danger to life** through electric shock. There is also a risk of damage to the components.
- Internal components of the LCD TV may be damaged by **electrostatic discharge** (ESD). Carry out system upgrades and changes in an **ESD-protected workshop**. If no such workshop is available, wear an **antistatic wrist strap** or touch a highly conductive metal object. We can repair damage sustained by inappropriate handling for a fee.
- Use only **original spare parts**.

## POINT OF USE

- Keep your LCD TV and all units connected to it away from **moisture** and avoid **dust, heat** and **direct sunlight**. Failure to observe these instructions can lead to malfunctions or damage to the LCD TV.
- Place and operate all units on **a stable, level** and **vibration-free surface** in order to avoid the LCD TV from falling.
- **Avoid dazzle, reflections, extreme light/dark contrast** in order to save your eyes and ensure a pleasant, ergonomic work station.
- Take **regulator breaks** when working with your LCD TV in order to avoid tension and fatigue.

## ENVIRONMENTAL CONDITIONS

- The LCD TV can be operated at an ambient temperatures of between **+41°F** and **+95°F** (5° C to 35° C) and at a relative humidity of between 20% and 85% (without condensation).
- When switched off, the TV can be stored at between **-4°F** and **+140°F** (-20° C - +60° C), up to the maximum height of 39,000 ft (12,000 m) above sea level at a relative humidity of between 10% and 85% (without condensation).
- After transporting your LCD TV please wait until it has assumed the ambient temperature before connecting and switching it on. Extremely high variations in the **temperature or humidity** may result in condensation forming on the inside of the LCD TV which could cause an **electrical short-circuit**.

## CONNECTING

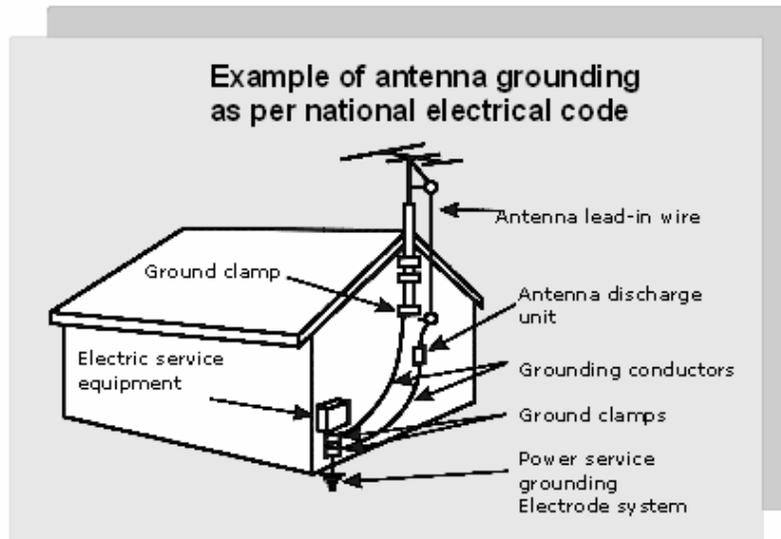
Observe the following instructions to connect your LCD TV properly:

### POWER SUPPLY



- Do not open the housing of the mains (power supply). An open housing presents a **lethal hazard** from electrical shock. There are no parts inside to be cleaned or serviced.
- Operate your LCD TV mains (power supply) only on grounded sockets with **AC 100-240V~/ 50-60 Hz**. If you are not sure about the power supply at your location, check with your power company. (Mains/Power Supply = Hua Jung Comp. Co., Ltd. **HASU05F**)
- Use only the mains (power supply) and power connection cable **provided**.
- For additional safety we recommend use of **an excessive voltage protection device** to protect your LCD TV from damage resulting from **voltage surges** or **lightning**.
- To interrupt the LCD TV from mains (power supply) disconnect the plug from the socket.
- The power **socket** must be in the vicinity of your LCD TV and within reach of the power cables. **DO NOT stretch the power cables tightly to reach a power socket**.
- If you use an **extension cable**, ensure that it fulfills **UL requirements**. Please ask your electrician.
- You should lay the LCD TV cables in a manner that no one can trip or step on it.
- To avoid damage of cable **do not place any objects or furniture on the cable**.
- You can adjust your LCD TV a **maximum of about 5° downward** and a **maximal 20° upward** (see page **Error! Bookmark not defined.**). If you attempt to go beyond these points with force, the **danger of damage** exists.

- **Outside antenna.** 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 avoid touching such power lines or circuits, because contact with them could be fatal.
- **Grounding the antenna system.** If an outside antenna is connected to the television equipment, be sure the antenna system is grounded in order to provide some protection against voltage surges.



**Note to CATV system installer:** This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of Canadian Electrical Code, Part 1), which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

## STANDARDS/ELECTRO-MAGNETIC INTERFERENCE

Your TV fulfils the requirements for electro-magnetic compatibility and electrical safety specified in the following standards:

### UL60950 / CAN CSA 22.2 No 60950, FCC

- When connecting ensure that *Guidelines for Electro-Magnetic Interference (EMI)* are observed.
- Provide an interval of at least one meter from **high-frequency and magnetic sources of interference** (television sets, loudspeakers, mobile telephones, etc.) in order to avoid malfunctions and data loss.

**Caution:** FCC/CSA regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

## ERGONOMICS

- For ergonomic reasons we suggest not to use the base-color blue on dark subfunds. This would cause bad readability and would increase eye strain.
- While working with screens you should **take breaks periodically** to avoid tension and fatigue.
- In order to save your eyes and to assure a convenient working area you should **avoid glare, reflections** and **strong contrasts** on the screen. For more detailed information on workplace ergonomics, see page **Error! Bookmark not defined..**

## ELECTRICAL SAFETY

Safety of information technology equipment.

- For U.S. / Canadian purposes:  
The LCD should only be connected to equipment which complies with UL 60950 / CAN CSA 22.2 No 60950

## TRANSPORT AND RECYCLING

- Keep the original packaging and use it to protect the LCD TV during transport or storage.
- Packing materials and product are recyclable.

## PRECAUTIONS

⇒ **Caution!** There are **no parts which can be serviced** or cleaned inside of the TV housing.

You can increase the service life of your LCD TV by taking the following precautions:

- Before cleaning **always disconnect the power line** and all connection cables.
- Do **not use any solvents**, caustic or gaseous cleaning agents.
- Clean the display with a soft, lint-free cloth.
- Ensure that no water droplets remain on the screen. Water can cause **permanent discoloration**.
- Do not expose the screen to **bright sunlight** or **ultraviolet radiation**.

## IMPORTANT ADDITIONAL SAFETY INSTRUCTIONS

When using any electronic equipment, basic safety precautions should always be taken. Following the guidelines below can reduce the risk of fire, electric shock and injury to person:

- Do not use this product near water (e.g., near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool).

## **IMPORTANT INFORMATION**

**Notice:** One federal court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws. Certain Canadian programs may also be copyrighted, and any unauthorized recording, in whole or in part, may be in violation of these rights.

**Warning:** To protect the life of your new display, do not allow any stationary images, patterns, PIP (picture-in-picture) box images, or letterbox images to remain on the screen for an extended period of time. Also, do not display the same stationary patterns frequently. (Examples of these types of images can be, but are not limited to, side-bars, stock market report bars, video game patterns, closed captioning, channel logos, shopping channel price displays, and letterbox black bars.) Persistent appearance of such patterns may result in the "burning in" of permanent ghost images on the display unit. This type of damage is not covered under warranty. To prevent such damage, display constantly moving images that fill the screen as often as possible.

**Notice:** Your LCD television is a high-quality product that provides fine image detail. Although a few non-active pixels may occasionally appear on the screen as a fixed point of blue, green, or red, this will not affect the performance of your unit.

## **FCC COMPLIANCE STATEMENT**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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. 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 technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Shielded interface cables, if any, must be used in order to comply with the emission limits.

## DECLARATION OF CONFORMITY

### According to 47CFR, Parts 2 and 15 for Class B LCD Montiors:

We: **Medion USA, Inc.**  
(Name of the Responsible Party)

Located at: **1001 Bayhill Drive, Suite 155**  
**San Bruno, CA 94066**  
(Address, City, State, Zip Code)

**Fax : 650.875.1106**  
(Facsimile Number **for conformity issues only**)

Declare under sole responsibility that the product identified herein, complies with 47CFR Parts 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR §2.909. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. The above named party is responsible for ensuring that the equipment complies with the standards of 47CFR §§15.101 to 15.109.

Trade Name: **Medion**

Type or  
Model Number: **MD 2753 / MD 2780**

Party Responsible: **MEDION USA, INC.**

Executed on (Date), at (Place): **20<sup>th</sup> of May 2003, San Bruno**

## INTRODUCTION

---

Thank You for Choosing This Product!

Welcome to the latest in television technology. Your new LCD TV features easy-to-use, on-screen menus and closed caption capabilities – all in a space-saving design. Quite simply, you've selected one of the best products in its class. We are proud to offer an LCD TV that will bring you convenient, dependable service and enjoyment for years to come.

This manual is provided to help you set up your LCD TV and take advantage of its many features.

Keep this manual in a safe place for future reference. Record your product model number and serial number here, for use in event of loss or theft.

Model \_\_\_\_\_

Serial Number \_\_\_\_\_

## EQUIPMENT AND SET UP

---

### **THE DISPLAY**

This multi-display model has a 30-inch-wide, active matrix TFT (thin film transistor), liquid crystal, high-brightness display module. Its compact design yields full functionality and can be used with electronics appliances (such as video recorders and camcorders), as well as personal computers.

Detailed specifications for the product appear at the end of this manual.

### **SPECIAL DISPLAY FEATURES**

Your LCD TV was designed with the latest technology for peak performance. This unit includes the following special features:

- Standard mounting holes (as recommended by VESA, the Video Electronics Standards Association) for use of a wall mount or robot arm.
- Tilt capability for optimizing the viewing position.
- Easy-to-use remote control.
- Easy-to-use, on-screen menu system.
- PIP (picture-in-picture) double screen: main display and PIP inset window appear simultaneously.
- Head phone jack for private listening.
- 16:9 letterbox format available (depending upon source of transmission).
- Built-in, dual-channel speakers.
- Fine-tuning control for the sharpest picture possible.
- Built-in, multi-channel sound decoder for stereo and bilingual listening.
- Automatic channel tuning for up to 125 channels.
- Special sleep timer.
- Adjustable picture and sound settings that are stored in the TV's memory.

### **POSITIONING THE DISPLAY**

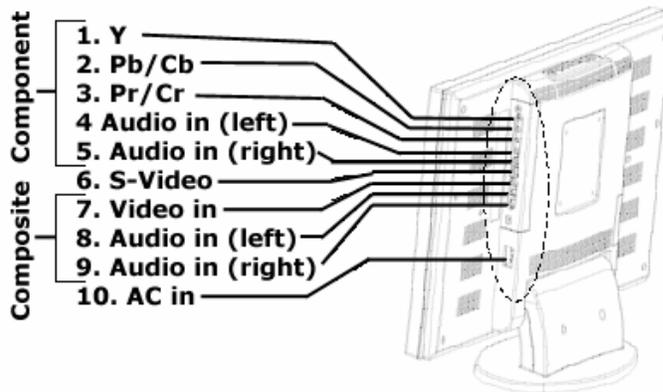
Following the safety guidelines provided at the beginning of this manual, place the display where you will be able to view it comfortably. Check for glare from bright light, which may obscure the image, and adjust positioning accordingly. Because some fluorescent lighting can affect remote control transmissions, turn off fluorescent lighting near the display when TV is in use.

### **ADJUSTING THE DISPLAY ANGLE**

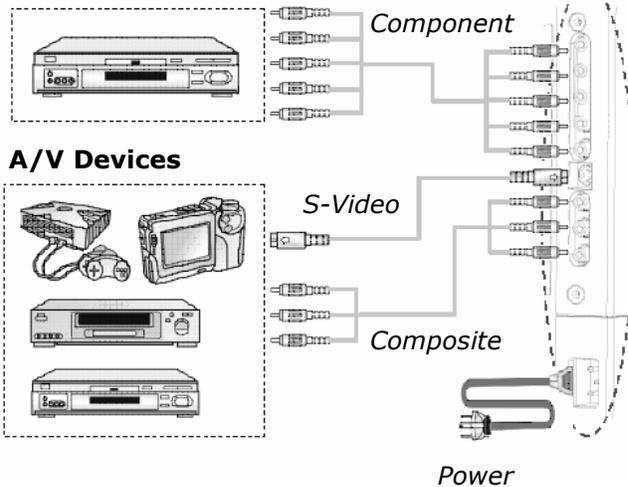
Use gentle pressure to adjust the screen angle forward and backward for the best viewing angle.

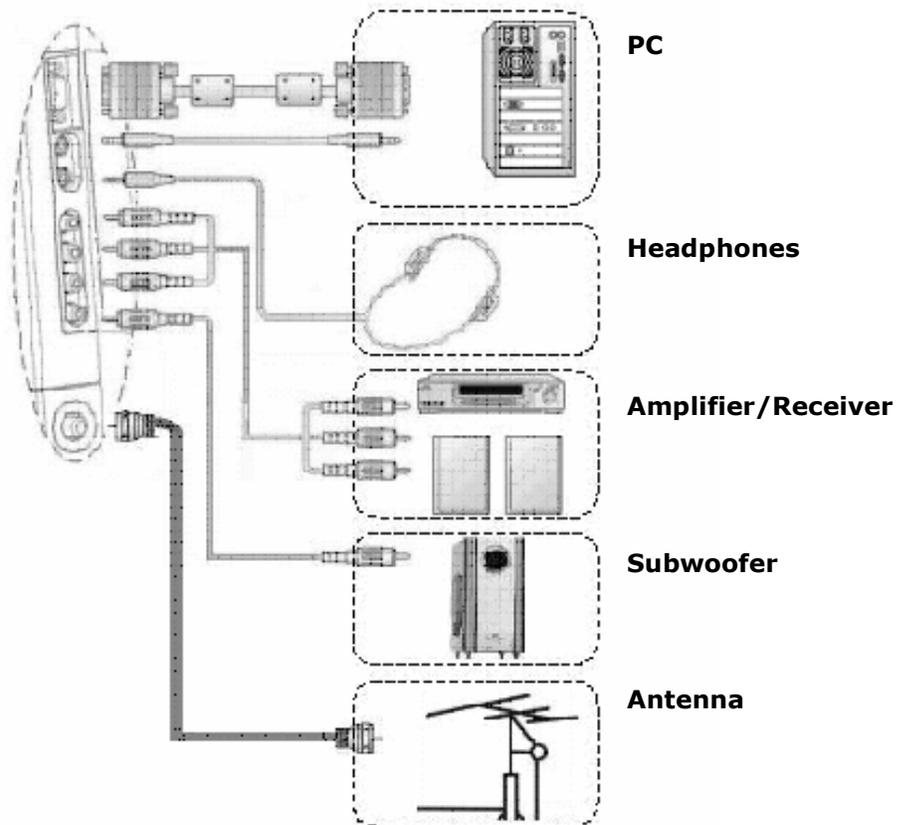
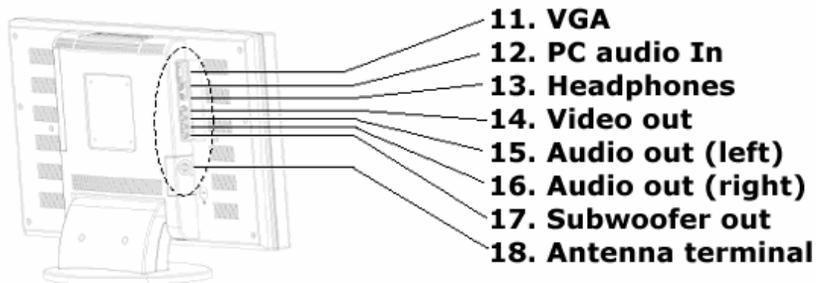
## CONNECTIONS

The diagrams below indicate display connection locations for a variety of situations. The equipment you connect to your display, as well as the type of cable you use in connecting it, will depend on a number of factors: e.g., the source of your television signal, whether you have a DVD player or VCR (or both), whether you elect to use your display with a personal computer, etc.



### DVD Player





## **PLUGGING IN THE DISPLAY**

Use the AC 110~220V 50/60Hz power cable provided to connect your LCD TV to a source of electricity. Plug the power cable first into the back of the display (socket number 10 in the diagram above), and then into an AC wall outlet.

## **CONNECTING AN ANTENNA**

Depending on the source you choose for television transmission, connection to an outdoor antenna may be necessary or desired for best reception. An antenna cable is provided with your LCD TV to facilitate hook-up. (The antenna cable should be connected to the display at the terminal numbered 18 in the diagram above)

## **CONNECTING CABLE TV (CATV)**

Your LCD TV is equipped to receive cable television service. For instructions on connecting to cable service, contact your local cable television provider.

## **CONNECTING PERIPHERAL EQUIPMENT**

For optimal performance, peripheral equipment, such as DVD players and HDTV tuners, should be connected with cable recommended by the equipment's manufacturer. Your LCD TV accommodates a variety of cable types, including:

- **Composite cable:** Composite cable is typically used with equipment such as VCRs. The yellow connector for composite cable carries the video signal, and the red and white connectors carry the audio signal. (Composite cable should be connected at the terminals labeled 7, 8, and 9 in the diagram above.)
- **S-video cable:** Using the red and white composite cable for sound and S-video cable for images results in a better image quality. (S-video cable should be connected at the terminal labeled 6 in the diagram above, with the sound cable attached at terminals 4 and 5.)
- **Component cable:** For the very best picture quality, component cable (Y, Pb/Cb, Pr/Cr) is recommended. Component cable carries images only, so you will need to make a separate audio connection using the red and white composite cables. (Component video cable should be con-

nected at the terminals labeled 1, 2, and 3 in the diagram above, with sound cable attached at terminals 4 and 5.) (Component cable is sold separately.)

Most modern cables are color-coded to assist you in connecting your equipment properly. Please observe these color codes when attaching equipment to your TV.

### **CONNECTING A SUBWOOFER**

Many consumers find that a subwoofer enhances the home theater experience by facilitating deep, resounding bass quality. (If you wish to connect a subwoofer to the LCD TV, use the terminal labeled 17 in the diagram above.)

### **CONNECTING A PERSONAL COMPUTER**

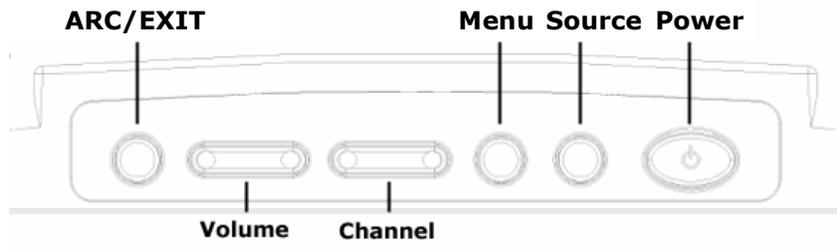
A 15 Pin D-Sub (VGA) signal cable is provided for connection to a personal computer. (This cable should be connected at the terminal labeled 11 in the diagram above.)

### **CONNECTING HEADPHONES**

Headphones are not included with your LCD TV; however, your LCD is equipped for head phone use. For private listening, plug head phones into your LCD TV (at the socket labeled 13 in the diagram above). When head phones are plugged in, no sound will emit from the main speakers.

## DISPLAY CONTROLS

As depicted below, you can use the buttons located at the top of the display to control your LCD TV's basic features, including the on-screen menu. The display also contains a remote sensor window, which accepts transmissions from the remote control. (Detailed instructions for using the remote control are provided in the Operation section of this manual).



**ARC/EXIT:** ARC stands for Aspect Ratio Control. Use this button to set the picture dimensions as appropriate to the programming you're viewing (e.g., a wide-screen movie). Options – Normal, Periscope, Zoom, and Full – are explained in more detail in the Operation section of this manual. Can also be used to exit on-screen menus.

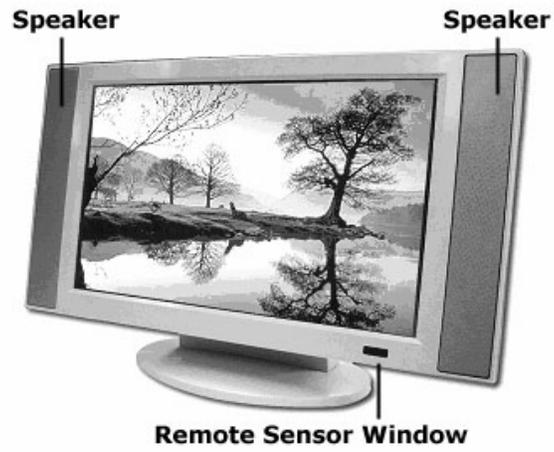
**VOLUME:** Press this button to turn the volume up (+) or down (-). To mute the volume, use the remote control.

**CHANNEL:** This button allows you to change channels in numerical sequence, either forward (+) or backward (-). To select a channel out of sequence, use the remote control.

**MENU:** Press this button to display the main menu settings.

**SOURCE:** Use this button to set up the input source according to the functionality you desire (e.g., TV, personal computer, or DVD). Options are TV, AV (connection with composite video cable), CV (connection with component video cable), SV (connection with S-video cable), and PC (personal computer, connection with VGA cable).

**POWER:** Press the *Power* button to turn the LCD TV on and off.

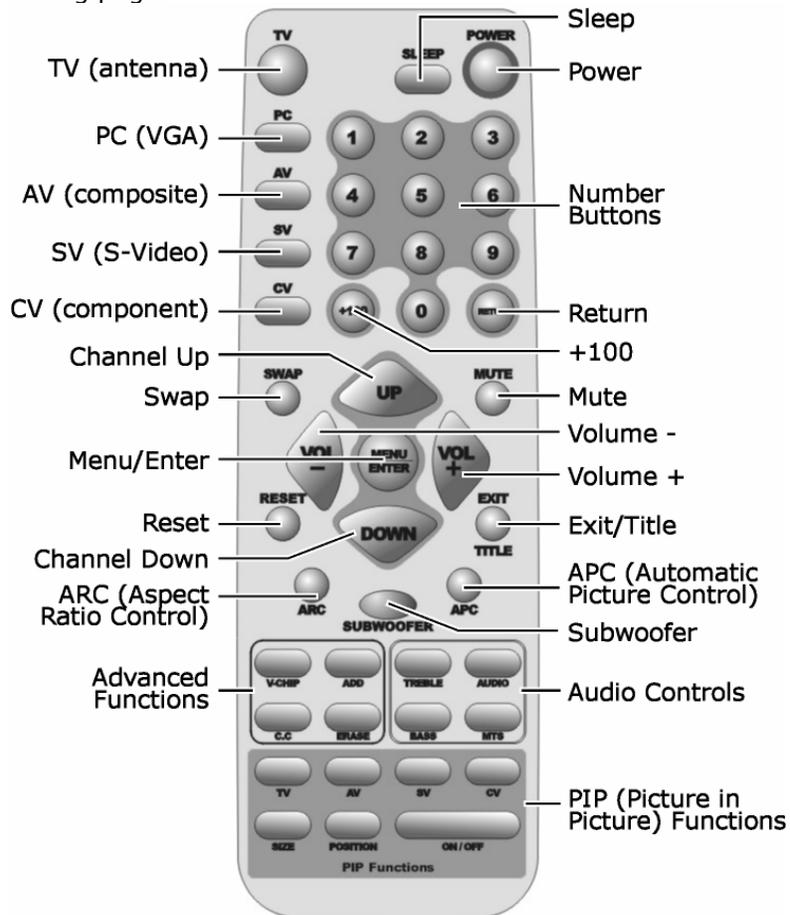


**REMOTE SENSOR WINDOW:** Aim the remote control toward this area of the TV.

## THE REMOTE CONTROL

The LCD TV remote control includes the basic functions of an ordinary TV remote control, as well as features for viewing video and PC applications. Before using the remote, insert the two AAA batteries provided by opening the hinged door at the back of the remote.

A quick-guide to using the buttons shown below appears on the following page.



## REMOTE CONTROL QUICK GUIDE

### To turn the TV on and off

Press POWER.

### To select a signal source

Press TV to switch to TV mode.

Press AV to switch to AV (video/composite cable) mode.

Press SV to switch to S-video mode.

Press CV to switch to component cable mode (Y Pb Pr).

Press PC to switch to personal computer mode (VGA).

### To use the menu

Press MENU/ENTER to display the main on-screen menu or move to the next menu.

Press TITLE/EXIT to exit from the menu.

### To change channels

Press TITLE/EXIT to display the number of the current channel.

Press UP to advance to the next television channel in the numerical sequence.

Press DOWN to move to the previous television channel in the numerical sequence.

Press the numeric buttons (0-9, +100) in combination to immediately select a desired channel.

Press RETURN to return to the channel previously selected.

### To adjust sound

Press VOL+ to turn up the volume.

Press VOL- to turn down the volume.

Press MUTE to temporarily cut off the sound.

Press MTS to choose stereo, mono, or Secondary Audio Program (SAP, usually a foreign-language translation).

Press AUDIO to present audio in the main display or the inset display.

Press TREBLE to adjust the audio treble setting.

Press BASS to adjust the audio bass setting.

Press SUBWOOFER to access the subwoofer function.

### To control the picture-in-picture (PIP) function

Press ON/OFF to open an inset display. (Pressing ON/OFF again will close the inset display.)

Press TV, AV, SV, or CV to select the input source for the inset display.

Press SIZE to make the inset window larger or smaller.

Press POSITION to move the inset window to a desired corner of the screen.

Press SWAP to switch the main display and the inset display.

### Other Functions

Press RESET to return to original factory settings.

Press ARC (aspect ratio control) to adjust the picture aspect:

- With a video source, options are normal, full, periscope, or zoom.
- With a PC source, options are full or normal.

Press APC to set picture mode to normal, clear, dark, or theater.

Press SLEEP to select a time interval for automatic shut-off of the LCD TV.

Press V-CHIP to set parental control functions.

Press C.C to turn closed-captioning on and off.

Press ADD to add a channel available from your TV source.

Press ERASE to delete a channel available from your TV source.

## OPERATION

---

### GENERAL ADJUSTMENTS

#### TURNING THE LCD TV ON AND OFF

Make sure that the unit is plugged in to a power source, and then press the **POWER** button on the remote control. (You can also use the **POWER** button on top of the display.) Pressing this button once will turn the unit on, and pressing it again will turn the unit off.

#### ACCESSING ON-SCREEN MENUS AND DISPLAYS

Use on-screen menus and displays to access and adjust many important features of your LCD TV, including picture and sound.

1. With the power on, press the **MENU/ENTER** button on the remote control. The main menu appears on the screen.
2. Use the **VOL +** or **VOL -** button to scroll through the available menus.
3. When the menu you wish to use appears, press the **MENU/ENTER** button to access that menu's sub-menu.
4. Use the channel **UP** and **DOWN** buttons to highlight the various sub-menu items.
5. When the item you wish to adjust is highlighted, press the **VOL +** or **VOL -** button to make adjustments.
6. When you are finished with menu adjustments, press the **EXIT** button to return to the previous menu, or press the **EXIT** button twice to close the menu.

## **SELECTING A MODE (TV/AV/SV/CV/PC)**

Selecting a mode tells the LCD TV which connecting cable to access for viewing. In other words, the mode indicates whether you wish to view a television broadcast or use auxiliary equipment, such as a DVD player or personal computer.

1. Turn on the power of the connected equipment.
2. On the remote control, press the button that corresponds to the source you wish to access:

Press **TV** for TV mode (antenna).

Press **PC** for PC mode (VGA).

Press **AV** for AV mode (composite cable).

Press **SV** for S-video mode (S-video cable).

Press **CV** for CV mode (component cable: Y, Pb/Cb, Pr/Cr).

**Important note:** Depending on your television signal source, you may need to use a mode other than TV mode to watch television. For example, if you have an HDTV tuner attached to your display with component cable, you will use CV mode to watch television.

## **ADJUSTING THE VOLUME**

### VOLUME CONTROL

1. To increase the volume, press the **VOL +** button on the remote control, or use the **VOL +** button located on top of the display.
2. To decrease the volume, press the **VOL -** button on the remote control, or use the **VOL -** button located at the top of the display.

### MUTE

At any time, you can temporarily cut off the sound using the **MUTE** button on the remote control.

1. To immediately turn sound off, press **MUTE**.
2. To return the volume to its previous level, press **MUTE** again. Pressing the **VOL +** or **VOL -** button on the remote control or the display will also restore the sound.

## SWITCHING LANGUAGE MODES

The language modes available will depend upon the languages provided by the source of the programming. When a variety of languages are offered, choose among them by following these instructions.

1. Press **MENU/ENTER** to display the main menu.
2. Press **MENU/ENTER** again to access management controls.
3. Press **DOWN** until *Language* is highlighted, then press the **MENU/ENTER** button.
4. Press **DOWN** until the desired language is highlighted, then press **MENU/ENTER**.
5. Press **EXIT** twice to close the on-screen menu.

## TV MODE

### ADJUSTING THE TV SETTINGS

**Important note:** Despite its name, TV mode is not always appropriate for watching television broadcasts. The mode you should choose to watch television depends on how your television feed is connected to your LCD TV. For example, if you are receiving your television signal through a tuner that is attached to your LCD TV with component cable, you need to choose the appropriate (CV) mode. See the "AV/SV/CV Mode" section of this manual for additional information.

1. If you are not already in TV mode, press the **TV** button on the remote control to select TV mode.
2. Press the **MENU/ENTER** button to display the main menu.
3. Press the **VOL +** or **VOL -** button until the *TV Setting* menu appears.
4. Press the **MENU/ENTER** button to access the *TV Setting* menu.
5. Press the **UP** or **DOWN** button to scroll through the adjustment options.
6. When the desired option is highlighted, press the **VOL +** or **VOL -** button to make adjustments to the selected setting.
7. Press the **EXIT** button to return to the previous menu, or press **EXIT** twice to close the menu.

## CHOOSING A TRACK IN MULTI-CHANNEL TV SOUND

Depending on the program being broadcast, you may be able to choose among stereo, mono, and a Secondary Audio Program (SAP). SAP is usually a foreign-language translation, although sometimes SAP provides unrelated information, such as news or weather.

Repeatedly press the **MTS** button on the remote control to scroll through your sound channel options. The words *Stereo*, *Mono*, or *SAP* will appear in the upper right corner of the display to indicate the track selected.

- Choose **Stereo** for channels that are broadcasting in stereo.
- Choose **Mono** for channels that are broadcasting in mono or are having difficulty receiving a stereo signal.
- Choose **SAP** to listen to a Secondary Audio Program, when available.

## ADJUSTING THE PICTURE SETTINGS

Picture settings allow you to adjust levels of brightness, contrast, hue, saturation, and sharpness.

1. If you are not already in TV mode, press the **TV** button on the remote control to select TV mode.
2. Press the **MENU/ENTER** button to display the main menu.
3. Press the **VOL +** or **VOL -** button until the *Picture Adjust* menu appears.
4. Press the **MENU/ENTER** button to access the *Picture Adjust* menu.
5. Press the **UP** or **DOWN** button to scroll through the adjustment options.
6. When the desired option is highlighted, press the **VOL +** or **VOL -** button to make adjustments to the selected setting.
7. Press the **EXIT** button to return to the previous menu, or press **EXIT** twice to close the menu.

**Note:** You can also adjust overall picture quality using the automatic picture control function (the **APC** button on the remote control). See "Other Important Functions" in this manual for more information.

## STORING CHANNELS IN MEMORY

Your LCD TV can memorize and store all of the available channels for both standard broadcast (antenna) and cable channels. After the available channels are memorized, use the **UP** and **DOWN** buttons on the remote control to scan through the channels. This eliminates the need to change channels by entering the channel digits.

There are three steps for memorizing channels:

1. Select a broadcast source.
2. Store channels in memory (automatic process).
3. Add/delete channels (manual process).

## SELECTING A BROADCAST SOURCE

Before your LCD TV can memorize the available channels, you must specify the type of signal source that is connected to the TV (for example, an antenna or a cable system):

1. If you are not already in TV mode, press the **TV** button on the remote control to select TV mode.
2. Press the **MENU/ENTER** button to display the main menu.
3. Press the **VOL +** or **VOL -** button until the *TV Setting* menu appears.
4. Press the **MENU/ENTER** button to access the *TV Setting* menu.
5. Press the **UP** or **DOWN** button to scroll through the adjustment options until *ANT/CATV* is highlighted.
6. Press the **VOL +** or **VOL -** button to specify the TV signal source (the choices – *ANT*, *STD*, *IRC*, and *HRC* – appear at the bottom of the menu).
7. Press the **MENU/ENTER** button.

### Note:

- *ANT* is standard broadcast television received through your antenna for channels 2-69.
- *STD*, *IRC*, and *HRC* are all formats of cable TV. Contact your cable TV provider to find out which format is used in your area.

### STORING CHANNELS IN MEMORY

This process stores all available channels automatically. First, select the correct signal source (*ANT*, *STD*, *IRC*, or *HRC* – see previous step.) Then:

1. Press the **MENU/ENTER** button to display the main menu.
2. Press the **VOL +** or **VOL -** button until the *TV Setting* menu appears.
3. Press the **MENU/ENTER** button to access the *TV Setting* menu.
4. Press the **UP** or **DOWN** button until *Auto Scan* is highlighted.
5. Press the **VOL +** or **VOL -** button to select *Yes* at the bottom of the menu. The LCD TV will automatically cycle through all of the available channels and store them in memory. The channel numbers will appear in the top corner of the display during this process, which should take about one or two minutes.
6. After all of the available channels are stored, the menu will automatically close.

### ADDING AND ERASING INDIVIDUAL CHANNELS

This process allows you use a manual process to add or erase individual channels from the numerical sequence.

1. First, switch to the channel that you would like to add or erase. If you are adding a channel that can not be accessed with the **UP** and **DOWN** buttons, use the number buttons to directly input the channel number.
2. Press the **MENU/ENTER** button to display the main menu.
3. Press the **VOL +** or **VOL -** button until the *TV Setting* menu appears.
4. Press the **MENU/ENTER** button to access the *TV Setting* menu.
5. Press the **UP** or **DOWN** button until *Erase/Add* is highlighted.
6. Press the **VOL +** or **VOL -** button to select either *Erase* or *Add* at the bottom of the screen, as appropriate. Then press the **MENU/ENTER** button.

You can also use the **ERASE** and **ADD** buttons on the remote control to add or erase the current channel.

**Note:** You can view any channel, including an erased channel, by using the number buttons on the remote control. But a channel that has been erased will not appear in the channel sequence (accessed by pressing **UP** or **DOWN**) unless you perform the automatic or manual steps above.

## **CHANGING CHANNELS**

Your LCD TV allows you to select up to 125 channels (1 to 125). You may channel surf by scrolling through the memorized channels, or select a particular channel to view by specifying its number.

### **SCROLLING THROUGH MEMORIZED CHANNELS**

Press the **UP** or **DOWN** button on the remote control, or use the **CH** key on top of the display, to scroll through memorized channels.

**Note:** Scrolling allows you to change channels in numerical sequence. Channels that have not been memorized (see instructions above) and channels that have been erased will not appear when you use this scrolling function. You may select these channels using the number keys, as described below.

### **CHOOSING A CHANNEL WITH THE NUMBER KEYS**

To select a channel, enter its number using the remote control number pad. Single-digit channels must be preceded by a 0. (For example, to view channel 7, press **0** and **7**.) For three-digit channels, press the **+100** key and then the additional two digits. (For example, to view channel 107, press **+100**, then **0**, then **7**.)

## **USING PARENTAL CONTROLS**

The parental control feature automatically locks out programming that is deemed inappropriate for children. You must enter a PIN (Personal ID Number) before any parental control options can be set up or changed.

## SETTING UP OR CHANGING YOUR PIN

When you're setting up your PIN, try to choose a number that is easy for you to remember, but difficult for others to guess:

1. Press the **V-CHIP** button on the remote control.
2. The *Please Enter Pin* screen will appear.
3. Enter your four-digit PIN. If this is the first time you are entering a PIN, press **1**, then **2**, then **3**, then **4** (in quick succession) on the remote control.
4. The *Parent Control* screen will appear. Press the **UP** or **DOWN** button to highlight *Change PIN*.
5. The *Enter New PIN* screen will appear under the menu. Choose any four digits for your PIN and enter them using the remote control.
6. Press the **MENU/ENTER** button to submit the new number. A confirmation that your PIN has been changed will appear.
7. Press the **EXIT** button to close the menu.

## ENABLING AND DISABLING PARENTAL CONTROLS

1. Press the **V-CHIP** button on the remote control.
2. The *Please Enter Pin* screen will appear. Enter your 4-digit PIN.
3. The *Parent Control* menu will appear. Press the **UP** or **DOWN** button until *Parent Control* is highlighted.
4. Press the **VOL +** or **VOL -** button to select *On* or *Off*, then press the **MENU/ENTER** button. If you select *On*, programs will be restricted according to your specifications in the *TV Rating* and *MPAA Rating* settings (see below). If you select *Off*, no programming will be blocked.

## SETTING UP RESTRICTIONS USING GENERAL TV RATINGS

If you have established a PIN and enabled parental control as described immediately above, you can set your LCD TV to automatically lock out programs according to their television rating. Once you establish the setting, when the TV is tuned to a restricted program, the parental control will block it. The screen will go blue and the following message will appear: *Parent Control Working Level: [Rating]* (e.g., TV-PG). The television rating categories are as follows:

<b>TV-Y</b>	Suitable for young children
<b>TV-Y7</b>	Children 7 and over
<b>TV-G</b>	General audience
<b>TV-PG</b>	Parental guidance suggested
<b>TV-14</b>	Viewers 14 and over
<b>TV-MA</b>	Mature audiences only

To establish or adjust parental control settings according to TV ratings:

1. Press the **V-CHIP** button on the remote control.
2. The *Please Enter Pin* screen will appear. Enter your 4-digit PIN.
3. The *Parent Control* screen will appear. Press the **UP** or **DOWN** button until *TV Rating* is highlighted.
4. Press the **MENU/ENTER** button.
5. The *TV Rating* menu will appear. Press the **UP** or **DOWN** button to highlight a particular rating category for which you want programs blocked, then press the **MENU/ENTER** button. All programs that are "more restrictive" (above that level) will also be blocked. For example, if you choose to block TV-G, only programs with TV-Y and TV-Y7 ratings will be available for viewing. All TV-G, TV-PG, TV-14, and TV-MA programs will be blocked.

## SETTING UP RESTRICTIONS USING TV RATING SUB-CATEGORIES

Within the general TV ratings described above are sub-categories as follows:

<b>FV</b>	Fantasy violence
<b>D</b>	Sexually suggestive dialogue
<b>L</b>	Adult language
<b>S</b>	Sexual situations
<b>V</b>	Violence

You may choose to unblock certain categories within a blocked rating, or vice versa. (For example, you may choose to block all TV-14 programs except those that have earned the rating only for fantasy violence. Or you may choose to unlock all TV-PG programs except those that have sexual situations.)

1. Press the **V-CHIP** button on the remote control.
2. The *Please Enter Pin* screen will appear. Enter your 4-digit PIN.
3. The *Parent Control* screen will appear. Press the **UP** or **DOWN** button until *TV Rating* is highlighted.
4. Press the **MENU/ENTER** button.
5. The *TV Rating* menu will appear. Press the **UP** or **DOWN** button to highlight a particular rating category for which you want programs blocked or unblocked, then press the **MENU/ENTER** button.
6. Press the **VOL +** or **VOL -** button to highlight a particular TV category sub-rating that you wish to lock or unlock (FV, D, L, S, V), and press the **Enter** button. A "B" for "blocked" or "U" for "unblocked" will appear to confirm your choice. (If a blank appears, the category is not applicable to the rating level.)

**Note:** Again, the parental control will automatically block categories that are "more restrictive." For example, if you block the L (adult language) sub-rating in TV-PG, then the L sub-rating in TV-14 and TV-MA will also be blocked.

## SETTING UP RESTRICTIONS USING MOTION PICTURE RATINGS

The Motion Picture Association of America (MPAA) rating system applies primarily to movies. When movies are shown uncut on television, they may not be assigned a TV rating, but you may block them according to the film's MPAA rating. If the TV is tuned to a movie with a restricted rating, the parent control will block it. The screen will go blue and the following message will appear: *Parent Control Working Level: [Rating]* (e.g. MPAA PG-13).

In addition to (or instead of) specifying *television* ratings to block programming, you may set your LCD-TV to block *movies* according to these MPAA rating categories:

- G** General audiences (all ages).
- PG** Parental guidance suggested.
- PG-13** Parents strongly cautioned.
- R** Restricted. Children under 17 require accompanying adult.
- NC-17** No one 17 or under admitted
- X** Previously used designation for NC-17 rating

To establish or adjust parental control settings according to MPAA ratings:

1. Press the **V-CHIP** button on the remote control.
2. The *Please Enter Pin* screen will appear. Enter your 4-digit PIN.
3. The *Parent Control* screen will appear. Press the **UP** or **DOWN** button until *MPAA* is highlighted.
4. Press the **MENU/ENTER** button.
5. Press the **UP** or **DOWN** button to select a particular MPAA category that you wish to block.
6. Press the **Enter** button to select "B" (for "block").

**Note:** As with TV ratings, the parental control will automatically block movie rating categories that are "more restrictive." For example, if you block **PG-13**, then **R** and **NC-17** will automatically be blocked, also. The parental control will automatically unblock certain categories that are "less restrictive." For example, if you block **PG-13**, then **G** and **PG** will automatically be unblocked.

## VIEWING CLOSED CAPTIONS

Your LCD TV decodes and displays the closed captions that are broadcast with certain TV shows. These captions are usually included as a service for the hearing impaired or to provide foreign-language translations. When available, captions may also be accessed in order to follow broadcast dialogue without engaging the sound (for example, if you want to watch a program without disturbing a sleeping child).

All VCRs record the closed caption signal from television programs (when it is provided), so home-recorded videotapes can also provide closed captions. Most pre-recorded commercial videotapes provide closed captions, also. Check for the closed caption symbol (CC) in your television schedule and on the videotape packaging. **Note:** The caption feature does not work with a DVD or DTV signal.

To turn closed captions on or off:

1. Press the **MENU/ENTER** button to display the main menu.
2. Press the **VOL +** or **VOL -** button until the *TV Setting* menu appears.
3. Press the **MENU/ENTER** button to access the *TV Setting* menu.
4. Press the **UP** or **DOWN** button to highlight *Caption*.
5. Press the **VOL +** or **VOL -** button to select the appropriate "Caption" or "Text" mode, or select *OFF* if you do not wish to view closed captioning.
6. Depending on the broadcast, it might be necessary to make changes to "Channels" and "Field." (Different channels and fields can display different information. For example, Channel 1 may have subtitles in English, while Channel 2 has subtitles in Spanish.) In such an event, make the channel or field change necessary and then follow the same procedure outlined in steps 4 and 5 above.

## AV/SV/CV MODE

### ADJUSTING THE AV/SV/CV SETTINGS

The terms AV, SV, and CV refer to the type of cable you use to connect your video equipment. An AV (composite) cable uses a yellow connector for video and red and white cables for sound. Composite cable is often used to connect a VCR to a television display. An SV (S-video) cable transmits video only, and provides higher resolution than composite. CV refers to component video cable, which also transmits video only and which provides the best resolution of all. CV cable is particularly popular for use in home theater environments.

To adjust AV, SV and CV settings:

1. Press **MENU/ENTER** to display the main menu.
2. Press **MENU/ENTER** again to access *Management*.
3. Press **UP** or **DOWN** to select the *Main Display (AV/SV/CV)*.
4. Press the **VOL +** or **VOL -** button to highlight the appropriate source, *AV, SV, or CV*.
5. Press the **EXIT** button to return to the previous menu.
6. Press **UP** or **DOWN** to highlight the desired setting.
7. Press **VOL +** or **VOL -** to adjust the setting.
8. Press the **EXIT** button to return to the previous menu, or press the **EXIT** button twice to close the menu.

**Note:** All of the adjustment functions in the **AV, SV, and CV** modes (picture, audio, etc.) are accessed as described in "TV Mode" section of this manual. Simply press the appropriate input mode button on your remote (AV, SV, or CV), then follow the instructions for using menus in TV mode.

The following functions are not available for AV, SV, and CV modes:

- Multi-channel TV Sound (MTS/SAP)
- Storing Channels in Memory
- Parental Controls
- Closed Captions

## PC MODE

### USING THE CONTRAST AND BRIGHTNESS SETTINGS

You may need to perform separate adjustments for brightness and contrast in the different video modes (e.g., TV, CV, PC). Generally, PC mode will be best viewed with lower brightness and contrast settings than are appropriate for the other modes. To adjust these settings in PC mode:

1. Press the **MENU/ENTER** button to display the main menu.
2. Press the **VOL +** or **VOL -** button repeatedly until the *Picture Adjust* menu appears.
3. Press the **MENU/ENTER** button to access the *Picture Adjust* menu.
4. Press the **UP** or **DOWN** button to highlight the desired setting (e.g., *Brightness, Contrast*).
5. Press the **VOL +** or **VOL -** button to adjust the selected setting.
6. Press the **EXIT** button to return to the previous menu, or press the **EXIT** button twice to exit the menu.

### ADJUSTING THE COLOR TEMPERATURE

You can use the color temperature settings to fine tune the way that your LCD TV displays color. The correct setting depends entirely on your personal preference.

1. Press the **MENU/ENTER** button to display the main menu.
2. Press the **VOL +** or **VOL -** button repeatedly until the *Picture Adjust* menu appears.
3. Press the **MENU/ENTER** button to access the *Picture Adjust* menu.
4. Press the **UP** or **DOWN** button until *Color temp* is highlighted.
5. Press the **VOL +** or **VOL -** button to select a setting at the bottom of the menu (*Cool, Neutral, Warm, or User*).

*If you select User, follow step 5(A) next. If you select Cool, Neutral, or Warm, skip to step 6.*

5(A) If you selected *User*, press the **ENTER** button to access the *User Color Adjust* menu.

- 5(B) Press the **UP** or **DOWN** button to highlight *R* (red), *G* (green), or *B* (blue) as desired.
- 5(C) Press the **VOL +** or **VOL -** button to adjust the setting. For example, increasing the red value will make the images on your screen have more of a reddish cast and decreasing the blue value can remove a blue tint.
- 6. Press the **EXIT** button to return to the previous menu, or press the **EXIT** button twice to close the menu.

### USING THE PC ADJUST SETTINGS

- 1. Press the **MENU/ENTER** button to display the main menu.
- 2. Press the **VOL +** or **VOL -** button repeatedly until the *PC Adjust* menu appears.
- 3. Press the **MENU/ENTER** button to access the *PC Adjust* menu.
- 4. Press the **UP** or **DOWN** button to highlight the desired setting:
  - H Position* adjusts the horizontal position of the image on the screen. Adjusting this will move the image to the left or right.
  - V Position* adjusts the vertical position of the image on the screen. Adjusting this will move the image up or down.
  - Auto Image* will automatically choose the best position, phase and clock settings for your display. We highly recommend that you use this setting for optimal performance.
  - Phase* and *Clock* are advanced settings. We recommend that you use *Auto Image* instead of the *Phase* and *Clock* settings.
- 5. Press the **VOL +** or **VOL -** button to make adjustments to the selected setting.
- 6. Press the **EXIT** button to return to the previous menu, or press the **EXIT** button twice to close the menu.

### USING THE AUDIO ADJUST SETTINGS

- 1. Press the **MENU/ENTER** button to display the main menu.
- 2. Press the **VOL +** or **VOL -** button repeatedly until the *Audio Adjust* menu appears.
- 3. Press the **MENU/ENTER** button to access the *Audio Adjust* menu.
- 4. Press the **UP** or **DOWN** button to highlight the desired setting (*Treble*, *Bass*, *Balance*, *Sound*, or *Mute*).

5. Press the **VOL +** or **VOL -** button to make adjustments to the selected setting.
6. Press the **EXIT** button to return to the previous menu, or press the **EXIT** button twice to close the menu.

**Note:**

When using the PIP feature in PC mode, you can listen to the sound of the inset screen instead of the sound of the main screen. (See below for more on PIP.)

## PICTURE-IN-PICTURE

Picture-in-picture (PIP) allows you to view two images simultaneously. The image from your PC is the main display, and a second image appears as an inset window. When using PIP, you must use PC (personal computer) as the *main* display. The *inset* display can **not** display images from a PC, but it **can** display TV, AV, SV, or CV.

### ACTIVATING PICTURE-IN-PICTURE

1. Press the **MENU/ENTER** button to display the main menu.
2. Press the **UP** or **DOWN** button to highlight *PIP Display*.
3. Press the **MENU/ENTER** button to access the sources at the bottom of the menu.
4. Press the **VOL +** or **VOL -** button to select the desired source.

You can also activate Picture-in-Picture using the buttons at the bottom of the remote control.

1. Press the **ON/OFF** button in the **PIP Functions** section of the remote control to display the PIP inset window.
2. Press the **AV, SV, CV,** or **TV** buttons in the **PIP Functions** section at the bottom of the remote control to select the available signal sources.

### ADJUSTING PICTURE-IN-PICTURE

1. Press the **MENU/ENTER** button to display the main menu.
2. Press the **UP** or **DOWN** button to highlight *PIP*.
3. Press the **MENU/ENTER** button to access the *PIP* menu.

4. Press the **UP** or **DOWN** button to highlight the desired setting:  
*H Position* adjusts the horizontal position of the image on the screen. Adjusting this will move the image to the left or right.  
*V Position* adjusts the vertical position of the image on the screen. Adjusting this will move the image up or down.  
*PIP Size* adjusts the size of the inset display.  
*Border* adjusts the border around the inset display.  
*Hue* adjusts the hue (color balance) of the inset display.  
*Saturation* adjusts the vibrancy of the color of the inset display.  
*Sharpness* adjusts the sharpness of the inset display.
5. Press the **VOL +** or **VOL -** button to adjust the selected setting to the desired level.
6. Press the **EXIT** button to return to the previous menu, or press the **EXIT** button twice to close the menu.

**Note:** To quickly access the PIP menu, simply press the **ON/OFF** button in the **PIP Functions** section at the bottom of the remote control.

### **CHANGING THE POSITION OF THE PIP WINDOW**

The PIP inset window may be positioned in any corner of the screen. Repeatedly press the **Position** button on the remote control to move the PIP window from corner to corner, until you are satisfied with the location.

### **CHANGING THE SIZE OF THE PIP WINDOW**

The PIP window may be expanded and reduced in size. Repeatedly press the **Size** button on the remote control to alternate between PIP window sizes.

## OTHER IMPORTANT FUNCTIONS

### ADJUSTING SCREEN ASPECT RATIO (ARC)

Modifying the screen aspect ratio allows you to select how your LCD TV will display images formatted for different screen types (for example, widescreen movies versus broadcast television). To adjust the screen aspect ratio, repeatedly press the **ARC** (aspect ratio control) button on the remote control, or the **ARC** button on top of the display, to scroll through and select from the following options. The name of the currently selected option will appear briefly at the top of the screen.

**Normal:** Sets the aspect ratio to 4:3 for traditional TV programs. You will see a black border at the sides of the picture.

**Full:** Expands the width of 4:3 video sources evenly to fill the 16:9 LCD screen. You may notice distortion at the center of the screen, as well as near the edges.

**Periscope:** Expands 4:3 video sources to fit the 16:9 LCD screen by magnifying the image at the edges of the screen. This creates less distortion at the center of the screen.

**Zoom:** Extends the height of the image to fill the screen (some DVD movies may not otherwise fill the top and bottom of the screen).

### USING AUTOMATIC PICTURE CONTROL

Automatic picture control allows you to quickly adjust the overall picture brightness without accessing the individual settings of the *Picture Adjust* menu. (For example, if the screen is too bright, you can use automatic picture control to change the screen to "normal" or "dark" as described below.) To access automatic picture control, repeatedly press the **APC** button on the remote control to scroll through and select from the following options. The name of the currently selected option will appear briefly at the top of the screen.

**Normal:** The usual setting for typical television programming. Images are darker than the Clear setting, but lighter than the Dark setting.

**Clear:** Results in a brighter picture. This setting is often employed when the screen displays night scenes or darker images.

**Dark:** Results in a darker picture. This setting is often employed when screen images seem too bright.

**Theater:** Rich, saturated colors. This setting is often used when viewing in a theater-type setting, i.e., a dark room.

### SETTING THE SLEEP TIMER

You can set the sleep timer to automatically turn off the LCD TV. Press the **SLEEP** button repeatedly until the time delay you desire is displayed on the screen. You may set the timer to turn the TV off after 30, 60, or 90 minutes.

**Note:** The sleep timer number automatically disappears from the screen in three seconds.

### RESETTING AUDIO AND VIDEO LEVELS

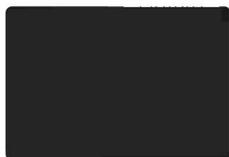
Even after adjusting audio and video levels using the on-screen menus, you have the option of instantly returning them to initial factory settings. Simply press the **RESET** button on the remote control.

1. In video mode (TV, AV, SV, or CV), press the **RESET** button on the remote control to return **Brightness, Contrast, Hue, Saturation, Sharpness, Volume, Treble, Bass, and Balance** to original factory values.
2. In PC mode, press the **RESET** button on the remote control to return **Brightness, Contrast, Color temp, Volume, Treble, Bass, and Balance** to original factory values.

## TROUBLESHOOTING

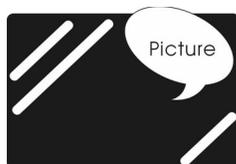
---

There is no picture or sound.



- Make sure the AC adapter/plug is properly inserted in the power outlet.
- Make sure the input mode is set correctly. (For example, to change the input mode to **TV**, use the **TV** button on the remote control, or the **SOURCE** button on top of the display.)
- Make sure the main power switch is on. (Use the **POWER** button on the remote, or the **POWER** button on top of the display.)
- Confirm that you have adequate reception from your source (e.g., cable TV box).

There is no picture from AV.



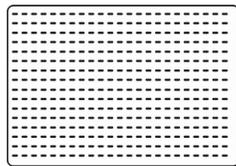
- Make sure the brightness level is properly adjusted.
- Make sure the video cable is plugged in to the TV.

There is no sound.



- Make sure that the volume is not set to minimum.
- Make sure that the sound is not set to mute.
- Make sure that head phones are not connected.

There is no picture or sound, just noise.



- Assess whether the reception might be weak.
- Assess whether the state of the broadcast might be poor (a damaged video, for example, or a problem with the television station transmitter).
- Make sure the antenna is not disconnected.

Picture is not clear.



- Assess whether the reception might be weak.
- Assess whether state of the broadcast might be poor (a damaged video, for example, or a problem with the television station's transmitter).
- Make sure the antenna is not disconnected.

Picture is light or improperly tinted.



- Check color adjustment on the Picture Adjust menu.
- Try alternative settings using Automatic Picture Control.

The picture is too dark.



- Check the settings on the Picture Adjust menu.
- Try alternative settings using Automatic Picture Control.

Remote control does not work.



- Check the batteries in the remote control and replace if necessary.
- Make sure the remote sensor window on the display is not under strong fluorescent lighting.

The picture is not sharp.



- Assess whether the reception might be weak.
- Assess whether the state of the broadcast might be poor (a damaged video, for example, or a problem with the television station's transmitter).
- Make sure the antenna is not disconnected.

The picture moves.



- Assess whether the reception might be weak.
- Assess whether the state of the broadcast might be poor (a damaged video, for example, or a problem with the television station's transmitter).
- Make sure the antenna is not disconnected.

The picture is doubled or tripled.



- Make sure the antenna is facing the proper direction.
- There may be reflected electric waves from tall objects, such as hills and buildings.

The picture is spotted.



- Consider whether there may be interference from automobiles, trains, high-voltage lines, neon light, etc.
- Try positioning the antenna cable and the power cable farther apart, in case close positioning is causing interference.

There are stripes on the screen or colors fade.



- Determine whether the unit is receiving interference from other devices, such as kitchen appliances. (Transmission antennas of radio broadcasting stations and transmission antennas of amateur radio and cellular phones may also cause interference.)
- Use the unit as far as possible from any device that may cause possible interference.

## WARRANTY

---

MEDION warrants to our customers that this product is free from defects in materials and workmanship as follows: for a period of one (1) year from the date of original purchase, defective parts or a defective product returned to a MEDION repair facility or a MEDION Authorized Service Facility ("ASF") for such product, as applicable, and proven to be defective upon inspection, will be exchanged for new or comparable rebuilt parts, or a refurbished product, as determined by the MEDION repair facility or the ASF.

Limited warranty repair or replacement shall not extend the original limited warranty period of the defective product. This limited warranty does not cover any supplies or accessories, including but not limited to: software, blank media, user-installed drives, etc.

EXCLUSIONS: this limited warranty does not apply, and you will have no remedy hereunder with respect to (a) products that have been modified, opened, repaired or otherwise altered, except by MEDION or an ASF, (b) products that have been damaged or destroyed after delivery to the customer, (c) any third party software, interfaces, parts, supplies, peripherals or other products or any defects resulting from use of the product in connection with such third party products, (d) defects resulting from improper or inadequate maintenance, calibration or site preparation, (e) defects resulting from any misuse, abuse, accident, neglect, negligence or any use other than in accordance with the handling or operating instructions provided by MEDION, (f) defects resulting from exposure to unusual physical or electrical stress or from any operation other than in accordance with the published environmental specifications for the product.

TO THE EXTENT ALLOWED UNDER APPLICABLE LAW, THE ABOVE WARRANTIES ARE EXCLUSIVE AND NO OTHER WARRANTY OR CONDITION, WHETHER WRITTEN OR ORAL, IS EXPRESSED OR IMPLIED AND MEDION SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND NO IMPLIED WARRANTY APPLIES TO THE PRODUCT AFTER THE APPLICABLE PERIOD OF THE EXPRESS LIMITED WARRANTY STATED ABOVE. Some countries, states or provinces do not allow exclusions or limitations on the duration of an implied warranty, so the above limitation or exclusion might not apply to you. This limited warranty gives you specific legal rights and you might also have other rights that vary from country to country, state to state, or province to province.

MEDION's limited warranty is valid in any country or locality where MEDION has a support presence for this product and where MEDION has marketed this product. The level of warranty service you receive may vary according to local standards. MEDION will not alter form, fit or function of the product to make it operate in a country for which it was never intended to function.

TO THE EXTENT ALLOWED UNDER APPLICABLE LAW, THE REMEDIES IN THIS LIMITED WARRANTY STATEMENT ARE YOUR SOLE AND EXCLUSIVE REMEDIES. EXCEPT AS INDICATED ABOVE, IN NO EVENT WILL MEDION OR ITS SUPPLIERS BE LIABLE FOR LOSS OF DATA OR FOR INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFIT OR DATA), OR OTHER DAMAGE, WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. IN NO EVENT SHALL RECOVERY OF ANY KIND AGAINST MEDION BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY MEDION WHICH CAUSED THE

ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, YOU ASSUME ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE OR MISUSE OF, OR INABILITY TO USE THE PRODUCT NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF MEDION. Some countries, states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

THE WARRANTY TERMS CONTAINED IN THIS STATEMENT, EXCEPT AS LAWFULLY PERMITTED, DO NOT EXCLUDE, RESTRICT OR MODIFY AND ARE IN ADDITION TO THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE SALE OF THIS PRODUCT TO YOU.

Please note the following:

Be sure to keep your purchase receipt in a safe place. MEDION, at its option, may require a copy of the receipt to validate the warranty period effective date (i.e. date of purchase). Warranty liability only applies to material or factory faults. It does not apply to damage due to breakage, for example, a crack in the housing. Our service includes unit exchange or send-in repair:

**Unit Exchange**

In locations where Unit Exchange is available, MEDION will send you a replacement unit. You must return the defective unit to MEDION (using the shipping carton that the new one came in.)

**Send-In Repairs**

In locations where Send-In Repair Service is available, repair service can be obtained by shipping your unit to the MEDION Repair Center. The unit will be repaired and returned to you.

For either Unit Exchange or Send-In Repairs, you must have an authorized RMA number from Medion support before shipping your defective product.

Replacement products may be either new or equivalent in performance to new. MEDION replacement or repaired products may contain remanufactured parts equivalent to new in performance or may have been subject to incidental use.

**Out-of-Warranty Support**

In addition to providing free technical support during the warranty period, MEDION is also available to support your product after the warranty period has ended. This out-of-warranty support will be provided on a fee basis.

Medion USA, Inc. | 1001 Bayhill Drive, Suite 155 | San Bruno, CA 94066 | [www.medion-usa.us](http://www.medion-usa.us) | (866) 633-4330

## OTHER INFORMATION

---

### **LIABILITY LIMITATIONS**

The contents of this manual are subject to unannounced changes caused by technical progress. Manufacturer and sales shall not be responsible for any damages which have been caused as a result of omissions or errors in the information provided in this manual.

Under no circumstances shall we be liable for any of the following:

1. Claims made against you by third parties based on loss or damage.
2. Loss or damage to your blanks, recordings or data.
3. Economic follow-on damage (including lost profit or savings) or associated damage even in the case that we have been informed of the possibilities of this type of damage.

In some countries the exclusion or limitation of accompanying or follow-on damage is not legally accepted so that the above limitations do not come into force.

### **COPYING THIS MANUAL**

This document contains legally protected information. All rights reserved. Copying in mechanical, electronic and any other form without the written approval of the manufacturer is prohibited.