ViewSonic®

N2201w
LCD TV

Model No. : VS12247-1M

ViewSonic®

Dear ViewSonic customer,

Congratulations on your purchase of a ViewSonic TV display. For maximum benefit of your TV, please read these instructions before any operations.

For assistance, please contact ViewSonic service team at http://www.viewsonic.com/support/ or call our service team: United States 1-800-688-6688, Canada 1-866-463-4775.

To purchase or inquire about any accessories and installation services you're your TV, please visit www.viewsonic.com or call: US (800)688 6688, Canada (866)463 4775.
Important! Please save the original box and all packing material for future shipping needs.
We recommend you registering your TV on the internet at: www.viewsonic.com

Product Registration

To meet your future needs, and to receive any additional product information as it becomes available, please register your product on the Internet at: www.viewsonic.com.

For Your Records	
Product Name:	**N2201w**
	ViewSonic LCD TV
Model Number:	**VS12247-1M**
Document Number:	**N2201w-1M_UG_ENG Rev. 1A 07-07-08**
Serial Number:	
Purchase Date:	

Product disposal at end of product life

ViewSonic is concerned about the preservation of our environment. Please dispose of this product properly at the end of its useful life. Your local waste disposal company may provide information about proper disposal. The lamp in this product contains mercury. Please dispose of properly in accordance with environmental laws of your location.

Customer Support

For technical support or product service, see the table below or contact your reseller.
Note: You will need the product serial number.

Country/Region	Web Site	T= Telephone F= Fax	Email
United States	www.viewsonic.com/support/	T (Toll-Free) =1-800-688-6688 T (Toll)= 1-424-233-2530 F= 1-909-468-1202	service.us@viewsonic.com
Canada	www.viewsonic.com/support/	T (Toll-Free) = 1-866-463-4775 T (Toll) = 1-424-233-2533 F = 1-909-468-1202	service.ca@viewsonic.com
Rentay Datos, 29 SUR 721, COL. LA PAZ, 72160 PUEBLA, PUE. Tel: 01.222.891.55.77 CON 10 LINEASE			
Electroser, Av Reforma No. 403Gx39 y 41, 97000 Mérida, Yucatán. Tel: 01.999.925.19.16			
Other places please refer to http://www.viewsonic.com/la/soporte/index.htm#Mexico			

Contact Information for Sales & Authorized Service (Centro Autorizado de Servicio) within Mexico:

Name, address, of manufacturer and importers:
México, Av. de la Palma #8 Piso 2 Despacho 203, Corporativo
Interpalmas, Col. San Fernando Huixquilucan, Estado de México
Tel: (55) 3605-1099
http://www.viewsonic.com/la/soporte/index.htm

NÚMERO GRATIS DE ASISTENCIA TÉCNICA PARA TODO MÉXICO: 001.866.823.2004

Hermosillo: Distribuciones y Servicios Computacionales SA de CV. Calle Juarez 284 local 2 Col. Bugambilias C.P: 83140 Tel: 01-66-22-14-9005 E-Mail: disc2@hmo.megared.net.mx	***Villahermosa:*** Compumantenimietnos Garantizados, S.A. de C.V. AV. GREGORIO MENDEZ #1504 COL, FLORIDA C.P. 86040 Tel: 01 (993) 3 52 00 47 / 3522074 / 3 52 20 09 E-Mail: compumantenimientos@prodigy.net.mx
Puebla, Pue. (Matriz): RENTA Y DATOS, S.A. DE C.V. Domicilio: 29 SUR 721 COL. LA PAZ 72160 PUEBLA, PUE. Tel: 01(52).222.891.55.77 CON 10 LINEAS E-Mail: datos@puebla.megared.net.mx	***Veracruz, Ver.:*** CONEXION Y DESARROLLO, S.A DE C.V. Av. Americas # 419 ENTRE PINZÓN Y ALVARADO Fracc. Reforma C.P. 91919 Tel: 01-22-91-00-31-67 E-Mail: gacosta@qplus.com.mx
Chihuahua Soluciones Globales en Computación C. Magisterio # 3321 Col. Magisterial Chihuahua, Chih. Tel: 4136954 E-Mail: Cefeo@soluglobales.com	***Cuernavaca*** Compusupport de Cuernavaca SA de CV Francisco Leyva # 178 Col. Miguel Hidalgo C.P. 62040, Cuernavaca Morelos Tel: 01 777 3180579 / 01 777 3124014 E-Mail: aquevedo@compusupportcva.com
Distrito Federal: QPLUS, S.A. de C.V. Av. Coyoacán 931 Col. Del Valle 03100, México, D.F. Tel: 01(52)55-50-00-27-35 E-Mail : gacosta@qplus.com.mx	***Guadalajara, Jal.:*** SERVICRECE, S.A. de C.V. Av. Niños Héroes # 2281 Col. Arcos Sur, Sector Juárez 44170, Guadalajara, Jalisco Tel: 01(52)33-36-15-15-43 E-Mail: mmiranda@servicrece.com
Guerrero Acapulco GS Computación (Grupo Sesicomp) Progreso #6-A, Colo Centro 39300 Acapulco, Guerrero Tel: 744-48-32627	***Monterrey:*** Global Product Services Mar Caribe # 1987, Esquina con Golfo Pérsico Fracc. Bernardo Reyes, CP 64280 Monterrey N.L. México Tel: 8129-5103 E-Mail: aydeem@gps1.com.mx
MERIDA: ELECTROSER Av Reforma No. 403Gx39 y 41 Mérida, Yucatán, México CP97000 Tel: (52) 999-925-1916 E-Mail: rrrb@sureste.com	***Oaxaca, Oax.:*** CENTRO DE DISTRIBUCION Y SERVICIO, S.A. de C.V. Murguía # 708 P.A., Col. Centro, 68000, Oaxaca Tel: 01(52)95-15-15-22-22 Fax: 01(52)95-15-13-67-00 E-Mail. gpotai2001@hotmail.com
Tijuana: STD Av Ferrocarril Sonora #3780 L-C Col 20 de Noviembre Tijuana, Mexico	***FOR USA SUPPORT:*** ViewSonic Corporation 381 Brea Canyon Road, Walnut, CA. 91789 USA Tel: 800-688-6688 (English); 866-323-8056 (Spanish); Fax: 1-800-685-7276 E-Mail: http://www.viewsonic.com

Caution

Please use the following ViewSonic TVs only with the following wall-mount kit.

	ViewSonic TV Model No.
	N2201w
ViewSonic Wall-Mount kit model	WMK-10

Use with other Wall-Mount kit may cause instability and possibly result in injury.

To find the perfect mount for N2201w, please browse www.viewsonic.com or call our service team: US 1-800-688-6688, Canada 1-866-463-4775.

Copyright Information

Compliance Information

FCC Statement

This device complies with part 15 of FCC Rules. 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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference 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 radio/TV technician for help.

Warning: You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Following information is only for EU-member states:

The mark shown to the right is in compliance with the Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE).

The mark indicates the requirement NOT to dispose the equipment as unsorted municipal waste, but use the return and collection systems according to the local law.

Declaration of RoHS Compliance

This product has been designed and manufactured in compliance with Directive 2002/95/EC of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	<0.1%
Mercury (Hg)	0.1%	<0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium (Cr^{6+})	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex of the RoHS Directives as noted below:

Examples of exempted components are:

1. Mercury in compact fluorescent lamps not exceeding 5 mg per lamp and in other lamps not specifically mentioned in the Annex of RoHS Directive.

2. Lead in glass of cathode ray tubes, electronic components, fluorescent tubes, and electronic ceramic parts (e.g. piezoelectronic devices).

3. Lead in high temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).

4. Lead as an allotting element in steel containing up to 0.35% lead by weight, aluminium containing up to 0.4% lead by weight and as a cooper alloy containing up to 4% lead by weight.

Contents

Safety information

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

Warning

To reduce the risk of electric shock, do not remove the cover or back. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.

To reduce the risk of fire or electric shock, do not expose your TV to rain or moisture.

Caution

To prevent electric shock, match the wide blade on the power cord plug to the wide slot on an electric outlet. If the plug does not fit, consult a licensed electrician to replace the obsolete outlet. Do not modify the power cord plug, or you will defeat this safety feature.

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV. This label is located on the back of your TV.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV.

Laser safety

Your TV employs a laser. Only a qualified service person should remove the cover or attempt to service your TV because of possible eye injury.

Warnings
- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Visible and invisible laser radiation is present when open and interlock defeated.
- Do not stare into beam.
- The laser is located inside, near the deck mechanism.
- The apparatus shall be connected to a mains socket outlet with a protective earthing connection.
- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- Always place the TV on the floor or a sturdy, level, stable surface that will support the weight of the unit.
- Installing the TV requires special skill that should only be performed by qualified service personnel.
- Customers should not attempt to do the work themselves. Insignia bears no responsibility for improper mounting or mounting that results in accident or injury.
- The lamp in this product contains mercury. Please dispose of properly in accordance with environmental laws of your location.

Caution
The AC power plug is used as the disconnect device, so the AC power plug shall always remain readily operable.

Read instructions

Read all of the safety and operating instructions before you use your TV.

Retain instructions

Retain safety and operating instructions for future reference.

Follow warnings and instructions

Follow all warnings on your TV and in the operating instructions. Follow all operating and use instructions.

Water and moisture

Do not use your TV near water. For example, do not use it near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

Cleaning

Unplug your TV before cleaning. Do not use liquid or aerosol cleaners. Use only a damp cloth to clean the exterior of your TV.

Ventilation

Slots and openings in the cabinet and the back or bottom are provided for ventilation, reliable operation, and protection from overheating. These openings must not be blocked or covered. Do not block the openings by placing your TV on a bed, sofa, rug, or other similar surface. Do not place your TV near or over a radiator or heat register. Do not place your TV in a built-in installation, such as a bookcase or rack, unless you provide correct ventilation or follow the manufacturer's instructions.

Heat

Make sure that your TV is located away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Grounding or polarization

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a grounding prong. The wide blade or grounding prong are provided for your safety. If the plug does not fit, contact an electrician to replace the obsolete outlet.

Power cord protection

Route power cords so that they are not likely to be walked on or pinched by items placed on or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from your TV.

Attachments

Only use attachments/accessories specified by the manufacturer.

Stand

Do not place your TV on an unstable cart, stand, tripod, bracket, or table. Your TV may fall, causing serious personal injury and serious damage to your TV.
Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with your TV. If you mount your TV to the wall, follow the manufacturer's instructions and use a mounting accessory recommended by the manufacturer. Your TV and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause your TV and cart combination to overturn.

S3126A

Lightning

For added protection for your TV's receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect the antenna or cable system. This helps prevent damage to your TV from lightning and power line surges.

Servicing

Do not attempt to service your TV yourself because opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Replacement parts

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

Overloading

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

Object and liquid entry

Never push objects of any kind into your TV through openings because objects may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on your TV.

Damage requiring service

Unplug this TV from the power 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 your TV.
- If your TV has been exposed to rain or water.
- If your TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV to its normal operation.
- If your TV has been dropped or damaged in any way.
- When your TV exhibits a distinct change in performance.

Safety check

After completing any service or repair to this TV, ask the service technician to perform routine safety checks to determine that your TV is in correct operating condition.

Power source

Operate your TV only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your TV dealer or local power company.

Screen protection

Your TV's screen is made of glass. Do not drop your TV or hit the glass screen. If the screen breaks, be careful of broken glass.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few nonactive pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
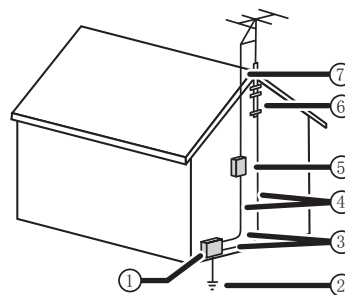
1	Electric service equipment
2	Power service grounding electrode system
3	Ground clamps
4	Grounding conductors
5	Antenna discharge unit
6	Grounding clamp
7	Antenna lead-in wire

Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for correct grounding and in particular, specifies that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

End of life directives

Your new TV contains materials which can be recycled and reused. At the end of your TV's life, specialized companies can dismantle the discarded TV to concentrate the reusable materials and to minimize the amount of materials to be disposed of. Dispose of your old TV according to local regulations.
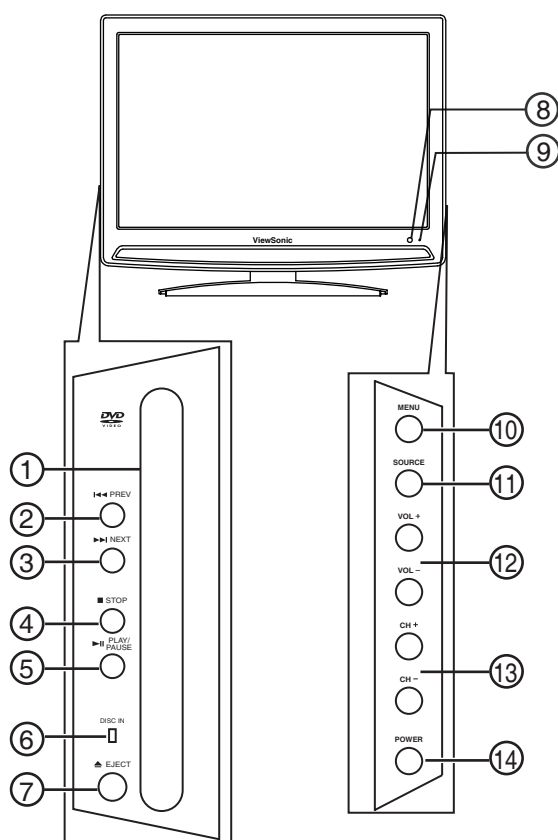
Features

Accessories

Make sure that the following accessories are provided in the packaging:
- Power cord
- Remote control and batteries
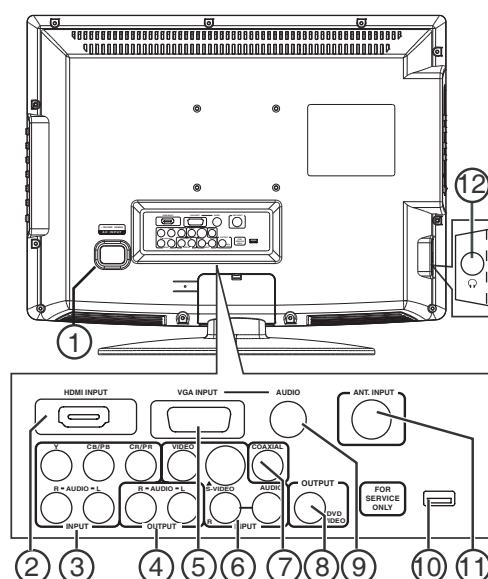- ViewSonic User Guide
- ViewSonic Quick Start Guide

Front

#	Item	Description
1	Disc slot	Insert a DVD or CD to change to DVD mode and play the disc.
2	**PREV** button	Press to skip to the previous chapter or track.
3	**NEXT** button	Press to skip to the next chapter or track.
4	**STOP** button	Press to stop disc playback.
5	**PLAY/PAUSE** button	Press to change to DVD mode and begin and pause the DVD or CD playback.
6	Disc In indicator	When lights, indicates a DVD or CD is loaded into the disc slot.
7	**EJECT** button	Press to eject the disc in the disc slot.

#	Item	Description
8	IR sensor	Receives signals from the remote control. Do not block.
9	Power/Standby indicator	Lights when your TV is plugged into a power outlet. When your TV is on, the indicator is blue. When your TV is in standby mode, the indicator is red.
10	**MENU** button	Press to open the TV menu.
11	**SOURCE** button	Press to select the video signal inputs. You can select TV, AV, S-Video, Component, DVD, HDMI, or PC.
12	**Volume+/-** buttons	Press to adjust the volume.
13	**CH+/-** buttons	Press to change the channel.
14	**POWER** button	Press to turn your TV combo on or off or press to leave standby mode.

Back

#	Description
1	AC input
2	HDMI INPUT
3	INPUT (Y, Cr/Pr, Cb/Pb, AUDIO L, and AUDIO R)
4	AUDIO OUTPUT
5	VGA PC INPUT
6	S-VIDEO, VIDEO, and L/R AUDIO INPUT
7	COAXIAL (digital audio)
8	DVD VIDEO OUTPUT
9	PC AUDIO INPUT
10	USB jack (For service only)
11	ANT.INPUT (coaxial antenna)
12	Headhone jack

Remote

#	Button	Description
13	**ENTER**	Press to confirm your selections.
14	◄◄ (Fast reverse)	Press to search backward on a DVD or CD.
	►► (Fast forward)	Press to search forward on a DVD or CD.
15	I◄◄ (Skip reverse)	Press to skip to the previous chapter or track.
	►►I (Skip forward)	Press to skip to the next chapter or track.
16	**STOP** ■	Press to stop DVD or CD playback.
17	**DVD TITLE**	Press to open the DVD title menu.
18	**DVD MENU**	Press to open the DVD menu.
19	**REPEAT**	Press to repeat a section of a DVD or CD.
20	AUDIO	Press to change the DVD audio language.
21	▲ (Open)	Press to eject the disc from the disc slot.
22	**INPUT**	Press to open the source input menu.
23	**ZOOM**	Press to change the zoom mode.
24	**CH** ∨/∧	Press to change the channel.
25	**RECALL**	Press to return to the previous channel.
26	**FAVORITE**	Press to display your favorite channels list.
27	**DISPLAY**	Press to display information about the input source.
28	**PICTURE**	Press to change the picture mode.
29	**AUDIO**	Press to change the sound mode.
30	►II (Play/Pause)	Press to play a DVD or CD. Press again to pause a DVD or CD.
31	I► (slow)	Press to slow forward or slow reverse a DVD.
32	**SETUP**	Press to open the DVD setup menu.
33	**A-B**	Press to create a playback loop.
34	**T.SEARCH**	Press to locate a point at which to start playback.
35	**RETURN**	Press to return to the previous menu.
36	**SUBTITLE**	Press to change the DVD subtitle language. Not available on some DVDs.

| #	Button	Description
1	⏻ (power)	Press to turn your TV combo on or off or press to leave standby mode.
2	**TV**	Press to change to TV mode.
3	**DVD**	Press to change to DVD mode.
4	Number buttons	Press to enter channel numbers, DVD chapters, or CD track numbers.
5	•	Press to view digital sub-channels. First enter the main channel number, then press this button, then enter the sub-channel number.
6	MUTE	Press to mute the sound. Press again to restore the sound.
7	**VOL +/-**	Press to adjust the volume.
8	MTS/SAP	Press to select Stereo, Mono, or SAP mode.
9	GUIDE	Press to show the Electronic Program Guide (EPG).
10	CC	Press to select the closed caption mode while in TV mode.
11	TV MENU	Press to open the on-screen TV menu.
12	◄, ►, ▲, ▼	Press to navigate the on-screen menus.

Installing remote control batteries

To install the remote control batteries:

1 Remove the battery cover.
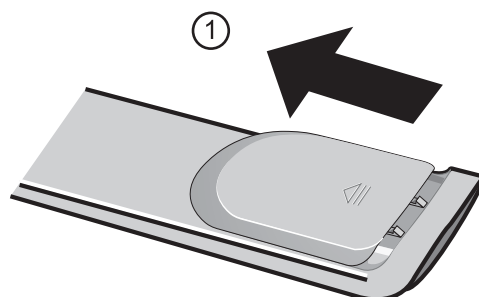
2 Insert two AAA batteries into the battery compartment. Make sure that you match the + and – symbols on the batteries with the + and – symbols in the battery compartment.
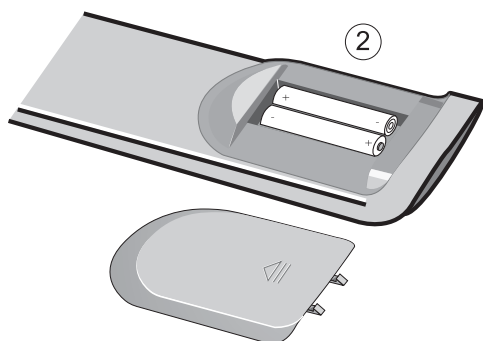

3 Put on the cover.

Notes
- Do not mix batteries of different types.
- Do not mix old and new batteries.
- Remove batteries when the charge is depleted.
- Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately.
- If the remote control is not going to be used for an extended period of time, remove the batteries.

Using the remote control

To use the remote control:
- Point the remote control directly at your TV, within a 60° angle horizontally (30° to either side), and within 30° vertically of the remote control sensor on the front of your TV and within 26.25 feet (8 m) of your TV.
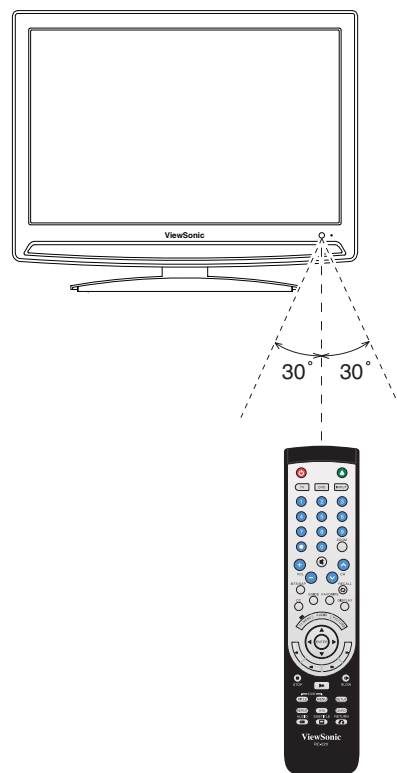
Caution
Do not expose the remote control to liquids, direct sunlight, or shock. Do not mix batteries of different types.

Notes
- Objects between the remote control and the remote control sensor may block the remote control signal.
- The range of the remote control may be diminished if direct sunlight or other strong light is shining on the remote control sensor. In this case, change the angle of the lighting, move your TV, or operate the remote control closer to the remote control sensor.

Setting up your TV

Connecting an antenna, cable TV, or satellite TV
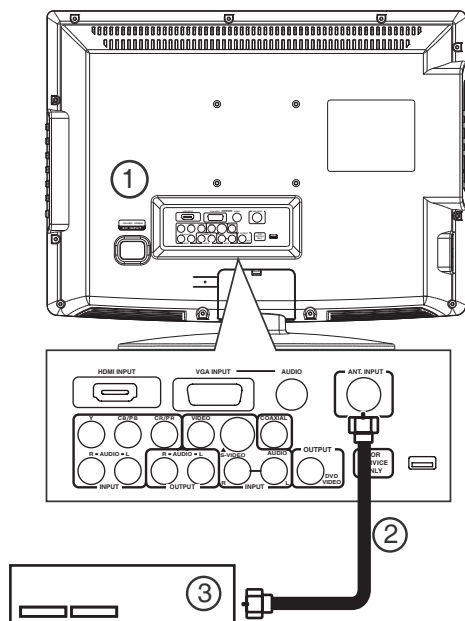
To connect an external antenna, cable TV, or satellite TV:
1 Plug the antenna cable (2) from an antenna, cable TV, or satellite receiver (3) to the **ANT.INPUT** jack on your TV (1).
2 Turn on your TV.
3 Press **INPUT**, then press ▲ / ▼ to select **TV**.
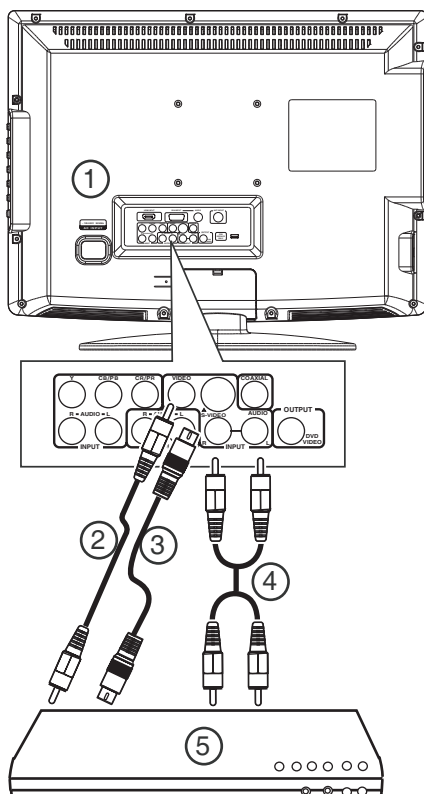
Connecting a standard video device

To connect a standard video device to the AV jacks:
1 Plug an RCA video cable (2) into a standard video source (5) and into the **VIDEO** jack on the back of your TV (1).
2 Plug the RCA audio cables (4) into the video device's audio output jack and into the upper **AUDIO L** and **AUDIO R** jacks on the back of your TV (1).
3 Turn on your TV.
4 Press **INPUT**, then press ▲ / ▼ to select **AV**.

To connect a standard S-Video device to AV jacks:
1 Plug an S-Video cable (3) into the S-Video out jack on an S-Video device (5) and into the **S-VIDEO** jack on the back of your TV (1).
2 Plug RCA audio cables (4) into the S-Video device audio output jacks and into the **AUDIO L** and **AUDIO R** jacks on the back of your TV (1).
3 Turn on your TV.
4 Press **INPUT** and ▲ / ▼ to select **S-Video**.

Connecting a component video device
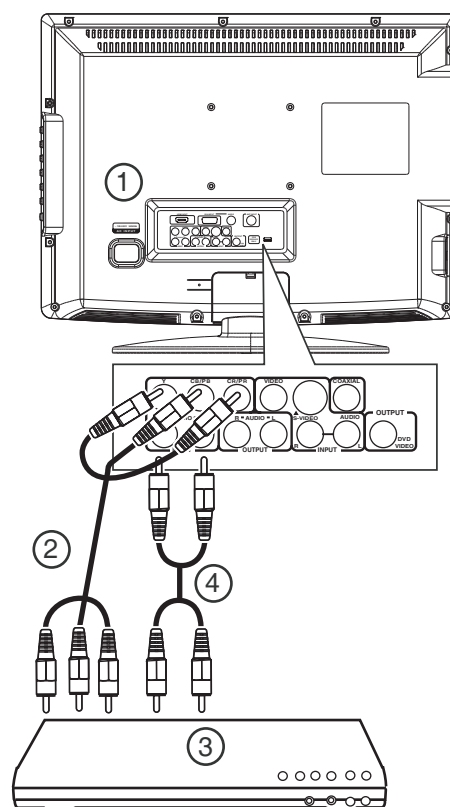
### To connect a progressive-scan or HDTV video source to Y/Pb/Pr jacks:
1 Plug a component video cable (2) into the progressive-scan or HDTV video device (3) and into the **Y/Pb/Pr** jacks on the back of your TV (1).
2 Plug the RCA audio cables (4) into the audio out jacks on progressive-scan or HDTV video device and into the lower **AUDIO L** and **AUDIO R** jacks on the back of your TV (1).
3 Turn on your TV.

4 Press **INPUT**, then press ▲ / ▼ to select **Component**.

Connecting a digital audio input

You can connect your TV audio out to a digital amplifier.
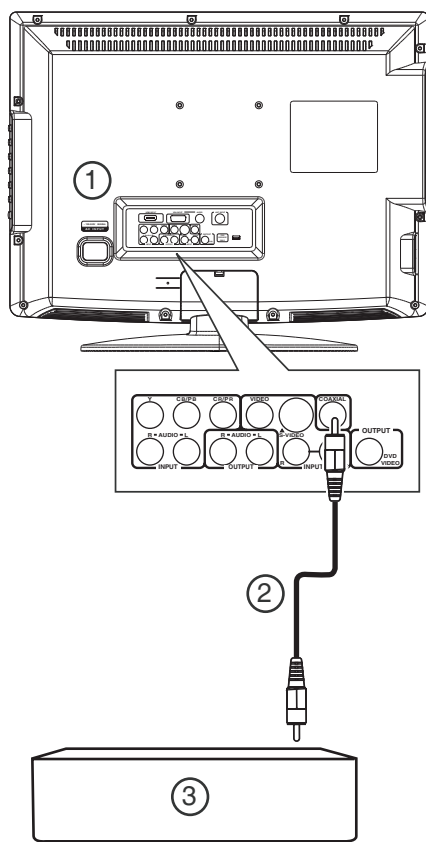
To connect to an amplifier equipped with a digital audio input:

• Plug a coaxial cable (2) into the amplifier (3) and into the **COAXIAL OUTPUT** jack on the back of your TV (1).

Connecting a computer
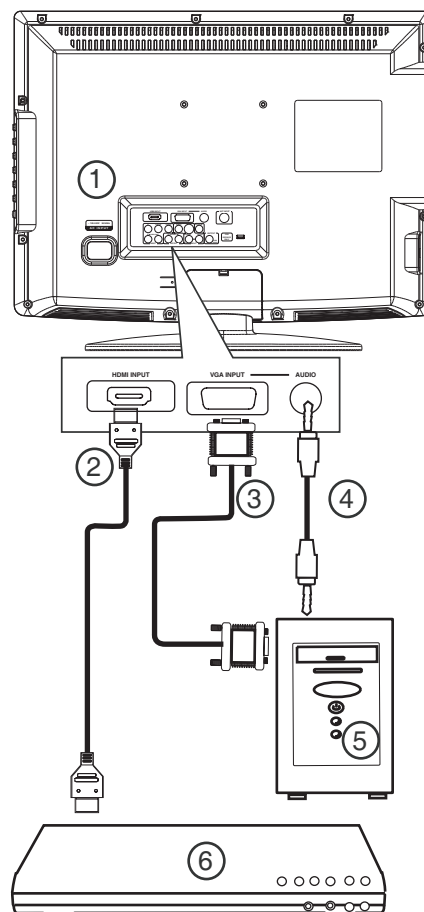
To connect a computer using VGA:

1 Plug a VGA cable (3) into the VGA port on the computer (5) and into the **VGA INPUT** port on the back of your TV (1).

2 Plug an audio cable (4) into the audio jack on the computer (5) and into the **AUDIO VGA INPUT** port on the back of your TV (1).

3 Turn on your TV.

4 Press **INPUT**, then press ▲ / ▼ to select **PC**.

> **Caution**
> The TV will automatically turn off after one minute if there is no signal in PC mode.

To connect to a computer or other HDMI device using the HDMI jack:

1 Plug an HDMI cable (2) into the HDMI port on the HDMI device (6) and into the **HDMI INPUT** port on the back of your TV (1).

2 Turn on your TV.

3 Press **INPUT**, then press ▲ / ▼ to select **HDMI**.

> **Note**
> When the computer goes into standby mode, your TV turns off. If your TV does not turn on when you "wake" your computer, press the **POWER** button on your TV or remote control.

Using the basic controls

Turning the TV on and off

To turn your TV on and off:
1 Press **POWER** on the side of your TV or on the remote control. The **POWER/STANDBY** indicator turns blue.
2 To turn off your TV, press **POWER** again. The **POWER/STANDBY** indicator turns red.

Adjusting the volume

You can adjust the volume using the controls on your TV's side panel or the remote control.

To adjust the volume:
1 Press **VOL+** or **VOL-** to increase or decrease the volume.
2 Press **MUTE** to mute the sound, then press this button again to restore the sound.

Changing the video mode

Your TV supports multiple video modes.
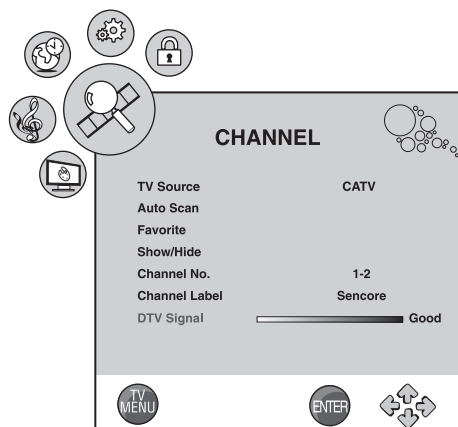
To select the video mode:
• Press **INPUT** one or more times to select the video mode, then press **ENTER**. You can select:
    • **TV**
    • **AV**
    • **S-Video**
    • **Component**
    • **DVD**
    • **HDMI**
    • **PC (VGA)**

Using your TV

Selecting the TV signal source

To select the TV signal source:
1 Press **TV MENU**, then press ◄/► to highlight **CHANNEL**. The *CHANNEL* menu opens.

2 Press ▼ to enter the *CHANNEL* menu.
3 Press ▲/▼ to select **TV Source**, then press ◄/► to select **Air** or **CATV**.
    • **Air**-VHF/UHF channels.
    • **CATV**-Cable TV channels.
4 Press **TV MENU** one or more times to close the menu.

Changing channels

To change channels:
• Press the **CH+** or **CH-** on the side of your TV or the **CH** ∧ or **CH** ∨ on the remote control.

To enter a channel number directly:
• Press the number buttons on the remote control.
    In digital TV mode, a main (major) channel can have one or more sub. (minor) channels. Press the number buttons to enter the main channel, press the • button (to the left of the 0 button), then press the number button for the sub-channel. For example, if you want to watch channel 5.2, press **5**, press the • button, then press **2**.

To go to the previous channel:
• Press **RECALL**.

Using the on-screen menus

Use your remote control to navigate in the on-screen menus.

To use the on-screen menus:
1 Press **INPUT** on the remote control to select the video source.
2 Press **TV MENU** on the remote control. The on-screen menu appears.
3 Press ◄/► to highlight the **PICTURE**, **AUDIO**, **TIME**, **OPTION**, **LOCK**, or **CHANNEL** icon, then press ▼ to enter the menu.
4 Press ▲/▼ to highlight a setting, then press ◄/► to change the setting.
5 Press **TV MENU** to close the menu.

Memorizing channels

To select channels with the **CH** buttons, your TV first needs to memorize the channels. When your TV memorizes channels, it scans for channels with signals, then stores the channel information into memory.

To automatically memorize channels:
1 Press **TV MENU** on the remote control, then press ◄/► to highlight **CHANNEL**. The *CHANNEL* menu opens.
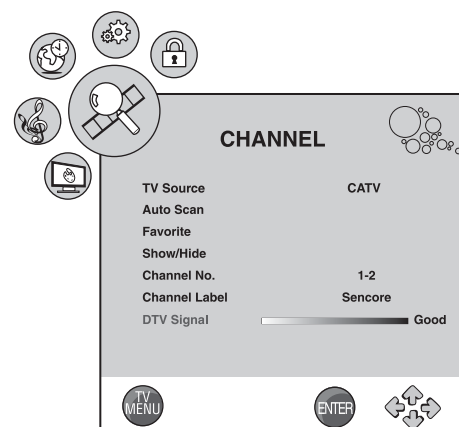
2 Press ▼ to enter the *CHANNEL* menu.

3 Press ▲ / ▼ to select **AUTO SCAN**, then press ▶ . The *Auto Scan* sub-menu opens.

4 Press ▲ / ▼ to select the type of auto scan you want:

- **Scan all channels**
- **Digital channel only**
- **Analog channel only**

Then press ▶ to start the auto scan. Your TV combo scans for and memorizes all channels available in your area.

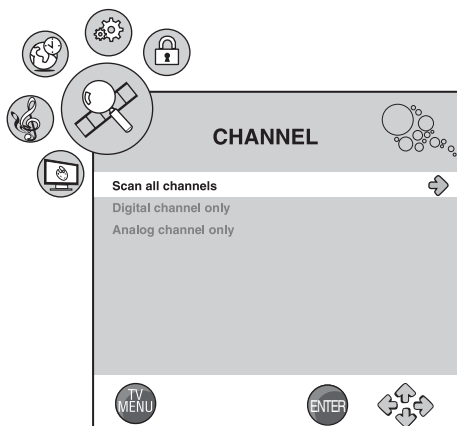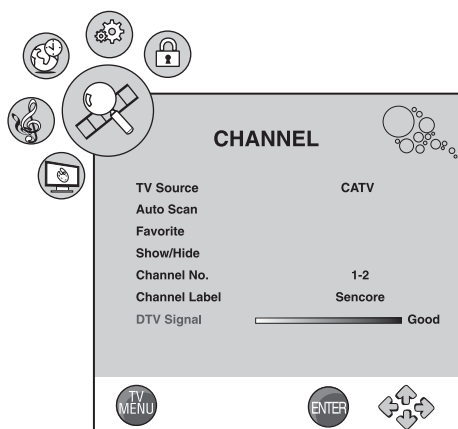**5** To stop the auto search, press **TV MENU**. When auto search is finished, the channel changes to the first channel in the memorized channel list.

Manually showing or hiding a channel

To manually show or hide a channel:
1 Make sure that you have scanned for digital channels.
2 Press **TV MENU** on the remote control, then press ◀ / ▶ to highlight **CHANNEL**. The *CHANNEL* menu opens.

3 Press ▼ to enter the *CHANNEL* menu.
4 Press ▲ / ▼ to select **Show/Hide**, then press ▶ . The *Show/Hide* sub-menu opens.
5 Press ▲ / ▼ to select a channel you want to hide, then press **ENTER**. The checkmark next to the channel disappears and the screen turns black.
6 Press **ENTER** again to show the channel. The checkmark appears, and the screen shows the channel.

Viewing channel information

To view channel information:
1 In digital TV mode, select a channel you want to watch.
2 Press **DISPLAY** once to display information about the channel.

3 Press **DISPLAY** again to display information about the program content (if available).
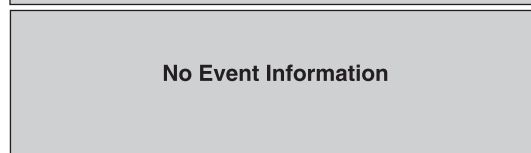
4 Press **DISPLAY** again to close.

Adding favorite channels

To add channels to the favorite channel list:
1 Press **TV MENU** on the remote control, then press ◀ / ▶ to highlight **CHANNEL**. The *CHANNEL* menu opens.
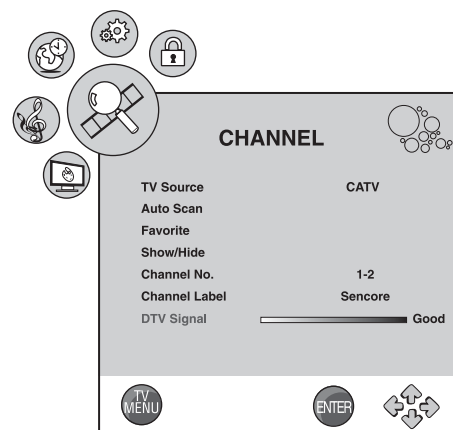
2 Press ▼ to enter the *CHANNEL* menu.
3 Press ▲ / ▼ to select **Favorite**, then press ▶ . The *Favorite s*ub-menu opens.
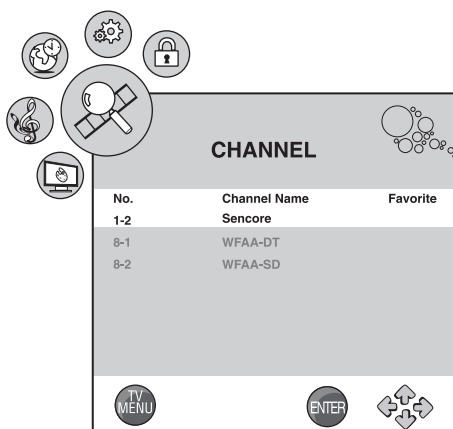
4 Press ▲ / ▼ to select a channel that you want to add to the favorite channel list.

5 Press **ENTER**. A checkmark appears next to the channel, and the channel is marked as a favorite.

6 Repeat this procedure to select the other channels.

To select your favorite channel:

1 Press **FAVORITE** one or more times on the remote control until the Favorite List appears on the screen.

2 Press ▲ / ▼ to select the preset for your favorite channel.

> **Note**
> The favorite channel function does not work until you have programmed your favorite channels.

To remove a channel from the favorite channel list:

1 Press **TV MENU** on the remote control, then press ◄ / ► to highlight **CHANNEL**. The *CHANNEL* menu opens.

CHANNEL

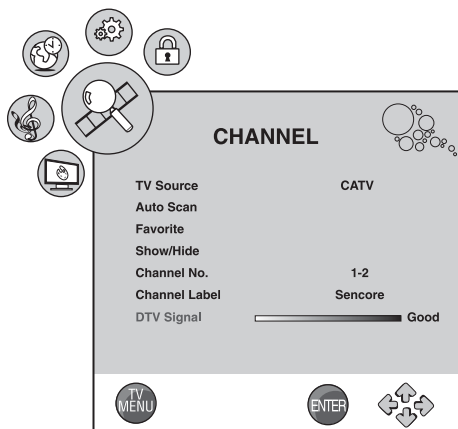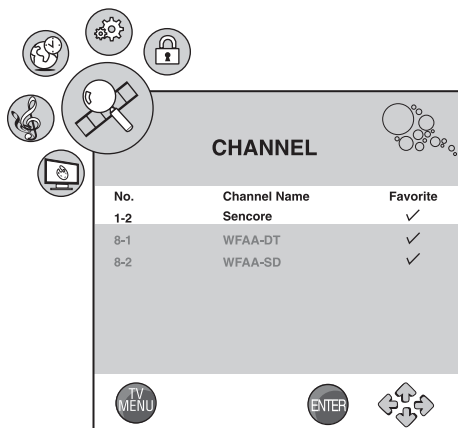|	
TV Source	CATV
Auto Scan	
Favorite	
Show/Hide	
Channel No.	1-2
Channel Label	Sencore
DTV Signal	Good

2 Press ▼ to enter the *CHANNEL* menu.

3 Press ▲ / ▼ to select **Favorite**, then press ► . The *Favorite s*ub-menu opens.

CHANNEL

No.	Channel Name	Favorite
1-2	Sencore	✓
8-1	WFAA-DT	✓
8-2	WFAA-SD	✓

4 Press ▲ / ▼ to select the channel you want to remove.

5 Press **ENTER**. The checkmark next to the channel disappears, and the channel is removed from favorite channel list.

Adjusting picture settings

To adjust picture settings:

1 Press **TV MENU** on the remote control, then press ◄ / ► to highlight the **PICTURE** icon. The *PICTURE* menu opens.

PC Mode

PICTURE

Picture Mode	Standard
Contrast	40
Brightness	35
Sharpness	50
Color Mode	Normal
Advanced	
Zoom Mode	Normal

TV Mode

PICTURE

Picture Mode	Standard
Contrast	75
Brightness	25
Sharpness	50
Tint	0
Color	84
Color Mode	Normal
Zoom Mode	Wide
3DNR	Off
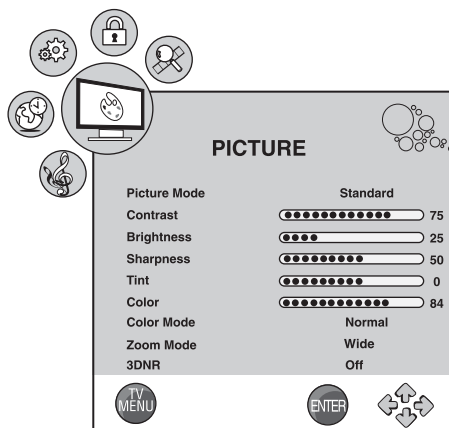
2 Press ▼ to enter the *PICTURE* menu.

3 Press ▲ / ▼ to select one of the following settings, then press ◄ / ► to change the setting. You can select:

- **Picture Mode-Standard, Dynamic, Soft,** or **Personal.**
- **Contrast**
- **Brightness**
- **Sharpness**
- **Tint**
- **Color**
- **Color Mode**-**Normal**, **Warm**, or **Cool**.
- **Advanced**-When Advanced is highlighted, press ► to open the advanced menu.
- **H-Pos** (PC mode only)
- **V-Pos** (PC mode only)
- **Clock** (PC mode only)
- **Phase** (PC mode only)
- **Auto** (PC mode only)-Press ► to activate the auto adjust feature for PC mode.
- **Zoom Mode-Normal, Wide, Zoom, Cinema.** (In PC mode, only **Normal** and **Wide** are available for ZOOM mode.)

- **3DNR-Off, Weak, Standard, Strong,** or **Auto.**

  If the TV is operating in a weak-signal area, sometimes the 3DNR function can improve the reception.

4 Press **TV MENU** one or more times to close the menu.

Adjusting audio settings

To adjust audio settings:

1 Press **TV MENU** on the remote control, then press ◄ / ► to highlight the **AUDIO** icon. The *AUDIO* menu opens.

PC Mode

TV Mode
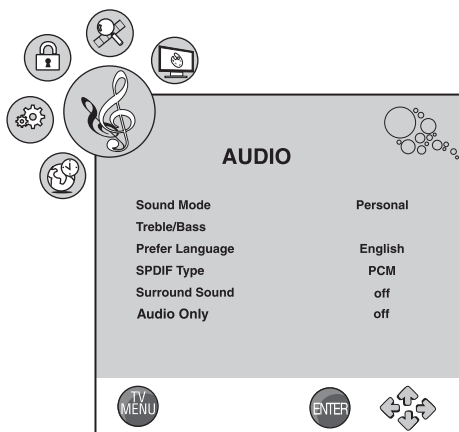
2 Press ▼ to enter the *AUDIO* menu.

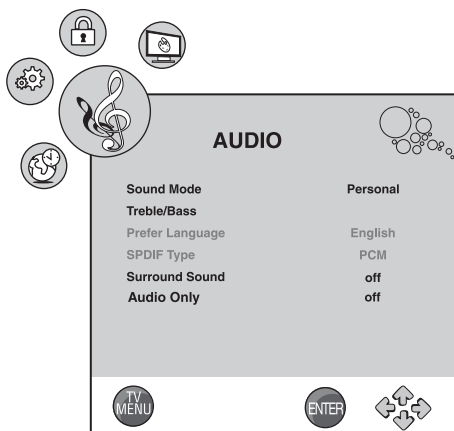3 Press ▲ / ▼ to select one of the following settings, then press ◄ / ► to change the setting. You can select:

- **Sound Mode**- **Standard, Music, Movie, Sports,** or **Personal**.
- **Treble/Bass**-When **Treble/Bass** is highlighted, press ► to open the *Treble/Bass* sub-menu.
- **Bass**
- **Treble**
- **Balance**
- **Prefer Language-English, French,** or **Spanish**.
- **SPDIF Type-PCM** or **RAW.**
- **Surround Sound-On** or **Off**.

- **Audio only-On** or **Off**. (If you select "On", the image disappears but the sound remains. Press any button to resume the image.)

4 Press **TV MENU** one or more times to close the menu.

Using the Electronic Program Guide

Your TV has an Electronic Program Guide (EPG) that supplies information, such as program lists and start and end times for programs. In addition, detailed information about the program is often available in the EPG. (The availability and the amount of program details will vary depending on the broadcaster.)

To use the EPG:

1 In digital TV mode, select a channel you want to watch.

2 Press **GUIDE** on the remote control. The EPG opens with the channel that is currently active.
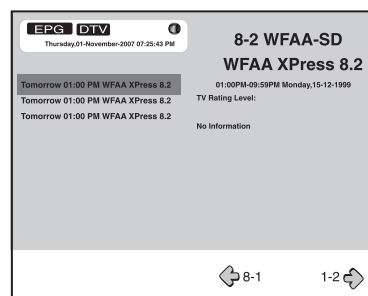
3 By repeatedly pressing ▲ / ▼, the information for additional future programs can be displayed.

4 Press ◄ / ► to select the previous/next program.

5 Press **GUIDE** one or more times to close the EPG.

Changing the channel settings

To change channel settings:

1 Press **TV MENU** on the remote control, then press ◄ / ► to highlight **CHANNEL**. The *CHANNEL* menu opens.
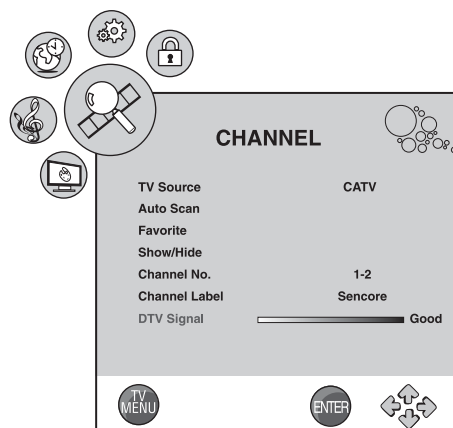
2 Press ▼ to enter the *CHANNEL* menu.

3 Press ▲ / ▼ to select one of the following settings, then press ◄ / ► to change the setting. You can select:

- **TV Source**-**Air** or **CATV**.
- **Auto Scan**-For more information, see "Memorizing channels" on page 9.
- **Favorite**-For more information, see "Adding favorite channels" on page 10.
- **Show/Hide**-For more information, see "Manually showing or hiding a channel" on page 10.
- **Channel No.**-Press ◄ / ► to select the channel.
- **Channel Label**-For more information, see "Adding a channel label" on page 13.
- **Digital Signal**-Display the signal strength of the Digital TV.

4 Press **TV MENU** one or more times to close the menu.

Adding a channel label

To add a channel label:

1 Press **TV MENU** on the remote control, then press ◄ / ► to highlight **CHANNEL**. The *CHANNEL* menu opens.

```
                    CHANNEL

        TV Source              CATV
        Auto Scan
        Favorite
        Show/Hide
        Channel No.           1-2
        Channel Label         Sencore
        DTV Signal    ▭▭▭▭▭▭ Good

        TV                  ENTER
        MENU
```

2 Press ▼ to enter the *CHANNEL* menu.

3 Press ▲ / ▼ to select **Channel Label**, then press ► to enter the *Channel Label* sub-menu.

```
                    CHANNEL




                S e n c o r e


        TV                  ENTER
        MENU
```
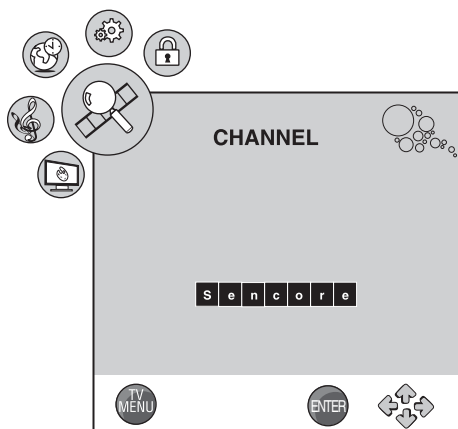
4 Press ◄ / ► to move the cursor, then press ▲ / ▼ one or more times to select each character of the new name for the channel.

5 Press **TV MENU** one or more times to close the menu.

Adjusting time settings

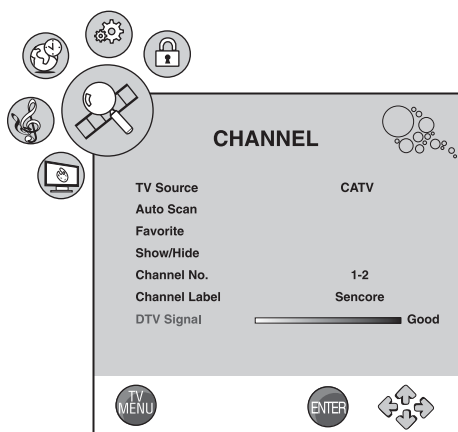**To adjust time settings:**

1 Press **TV MENU** on the remote control, then press ◄ / ► to highlight the **TIME** icon. The *TIME* menu opens.

PC Mode

```
                     TIME

        Sleep Timer           Off
        Time Zone             Pacific
        DST                   Off
        Time Format           24-hour
        Clock                 2007/11/01 09:00

        TV                  ENTER
        MENU
```

TV Mode

```
                     TIME

        Sleep Timer           Off
        Time Zone             Pacific
        DST                   On
        Time Format           24-hour
        Clock                 2007/11/01 13:58

        TV                  ENTER
        MENU
```
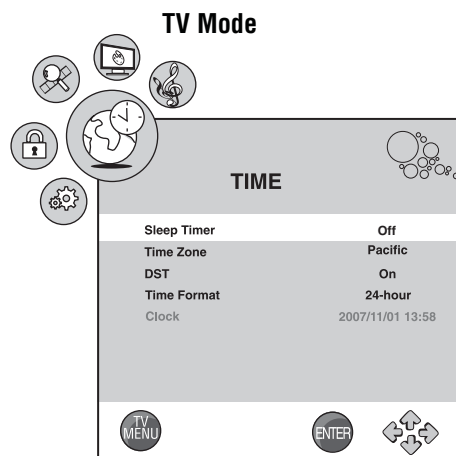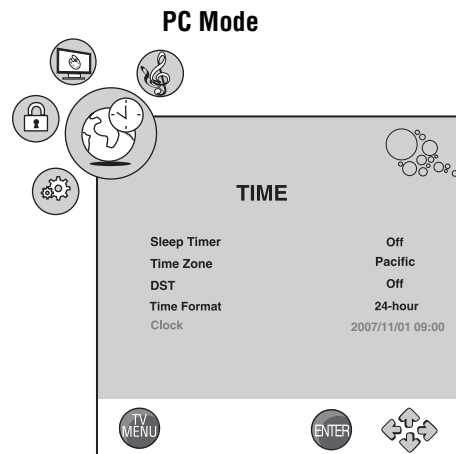
2 Press ▼ to enter the *TIME* menu.

3 Press ▲ / ▼ to select one of the following settings, then press ◄ / ► to change the setting. You can select:

- **Sleep Timer**-Select the sleep time you want.
- **Time Zone**-**Pacific, Alaska, Hawaii, Atlantic, Eastern, Central,** or **Mountain**.
- **DST (Daylight Saving Time)**-**On** or **Off**.
- **Time Format**-**12-hour** or **24-hour**.
- **Clock**-Display the clock time.

4 Press **TV MENU** one or more times to close the menu.

Adjusting other settings

To adjust other settings:

1 Press **TV MENU** on the remote control, then press ◄/► to highlight the **OPTION** icon. The *OPTION* menu opens.

PC Mode

OPTION

Menu Language	English
Transparency	0%
OSD Time Out	30 Sec.
Closed Caption	
Restore Default	

TV Mode

OPTION

Menu Language	English
Transparency	0%
OSD Time Out	60 Sec.
Closed Caption	
Restore Default	

2 Press ▼ to enter the *OPTION* menu.

3 Press ▲/▼ to select one of the following settings, then press ◄/► to change the setting. You can select:

- **Menu Language**-**English, French,** or **Spanish**.
- **Transparency**-Adjust the menu transparency.
- **OSD Time Out**-Adjust the display time of the OSD menu.
- **Closed Caption**-See "Setting the closed caption mode" on page 14.
- **Restore Default**-Select **YES**, then press **ENTER** to restore your TV combo to the factory settings.

4 Press **TV MENU** one or more times to close the menu.

Setting the closed caption mode

To set the closed caption mode:

1 Press **TV MENU** on the remote control, then press ◄/► to highlight the **OPTION** icon. The *OPTION* menu opens.

TV Mode

OPTION

Menu Language	English
Transparency	0%
OSD Time Out	60 Sec.
Closed Caption	
Restore Default	

2 Press ▼ to enter the *OPTION* menu.

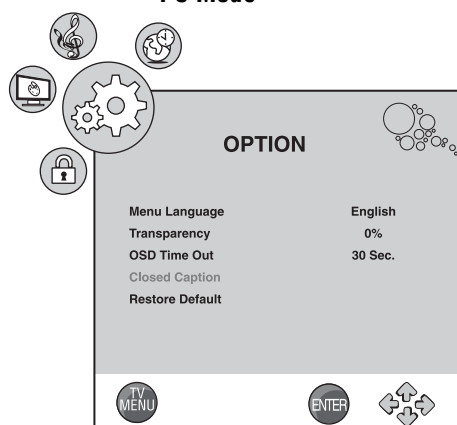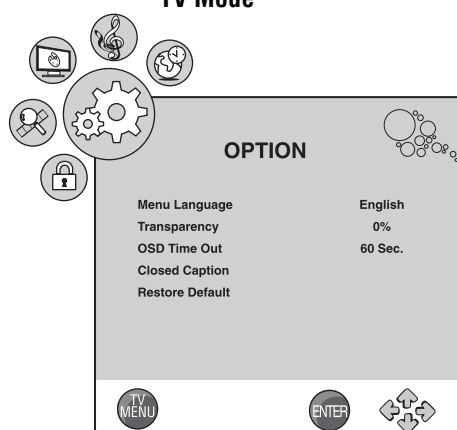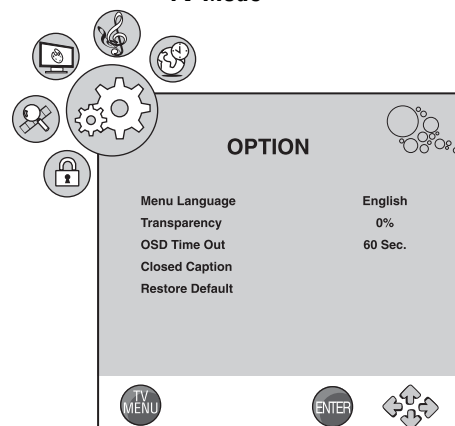3 Press ▲/▼ to highlight **Closed Caption**, then press ► to enter the *Closed Caption* sub-menu. The *Closed Caption* sub-menu opens.

OPTION

CC Mode	◄	CC Off ►
Basic Selection		Off
Advanced Selection		Off
Option		

4 Press ▲/▼ to select one of the following settings, then press ◄/► to change the setting. You can select:

- **CC Mode**-**CC Off, CC On,** or **CC On Mute**.
- **Basic Selection**-**Off, CC1, CC2, CC3, CC4, Text1, Text2, Text3,** or **Text4**.
- **Advanced Selection**-**Service1, Service2, Service3, Service4, Service5, Service6,** or **Off**.
- **Option**-See "Setting the closed caption styles" on page 15.

5 Press **TV MENU** one or more times to close the menu.
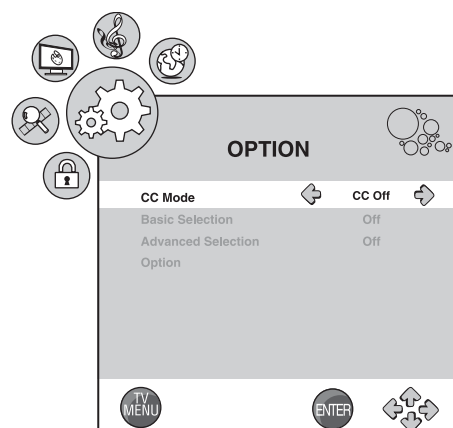
Setting the closed caption styles

To set the closed caption styles:

1 Press **TV MENU** on the remote control, then press ◄ / ► to highlight the **OPTION** icon. The *OPTION* menu opens.

TV Mode

OPTION

Menu Language	English
Transparency	0%
OSD Time Out	60 Sec.
Closed Caption	
Restore Default	

2 Press ▼ to enter the *OPTION* menu.

3 Press ▲ / ▼ to highlight **Closed Caption**, then press ► to enter the *Closed Caption* sub-menu. The *Closed Caption* sub-menu opens.
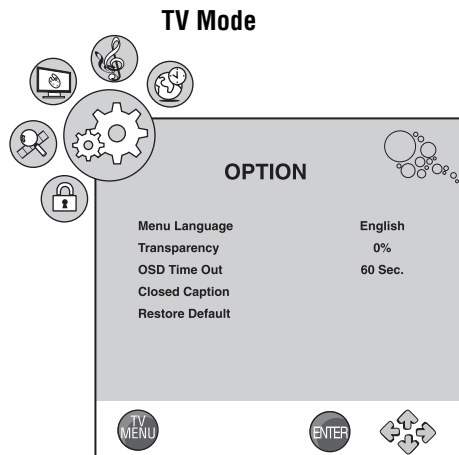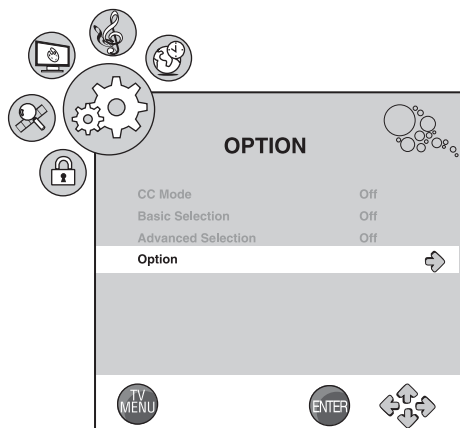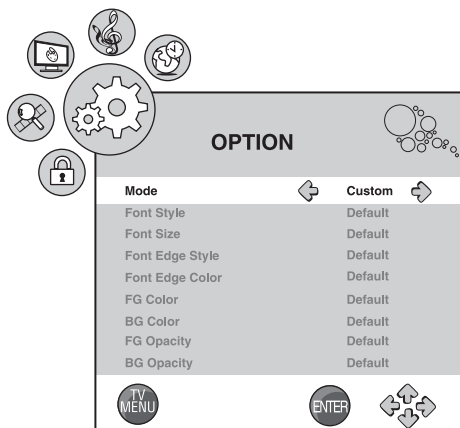
OPTION

CC Mode	Off
Basic Selection	Off
Advanced Selection	Off
Option	⇨

4 Press ▲ / ▼ to select **Option**, then press ► to enter the *Option* sub-menu. The *Option* sub-menu opens.

OPTION

Mode	⇦	Custom ⇨
Font Style		Default
Font Size		Default
Font Edge Style		Default
Font Edge Color		Default
FG Color		Default
BG Color		Default
FG Opacity		Default
BG Opacity		Default

5 Press ▲ / ▼ to select one of the following settings, then press ◄ / ► to change the setting. You can select:
   • **Mode**-**Custom** or **Default**. (If **Default** is selected, the other settings are not available.)
   • **Font Style**-**Default, Font0, Font1, Font2, Font3, Font4, Font5, Font6,** or **Font7**.
   • **Font Size**-**Default, Normal, Large,** or **Small**.
   • **Font Edge Style**-**Default, None, Raised, Depressed, Uniform, Left Shadow**, or **Right Shadow**.
   • **Font Edge Color**-**Default, Black, White, Red, Green, Blue, Yellow, Magenta**, or **Cyan**.
   • **FG Color**-**Default, White, Black, Red, Green, Blue, Yellow, Magenta**, or **Cyan**.
   • **BG Color**-**Default, Black, White, Red, Green, Blue, Yellow, Magenta**, or **Cyan**.
   • **FG Opacity**-**Default, Solid, Flashing, Translucent**, or **Transparent**.
   • **BG Opacity**-**Default, Solid, Flashing, Translucent**, or **Transparent**.

6 Press **TV MENU** one or more times to close the menu.

Setting the parental controls

To set the parental controls:

1 Press **TV MENU** on the remote control, then press ◄ / ► to highlight the **LOCK** icon. The *Enter Password* screen opens.

LOCK

Enter Password   --------

2 Press ▼ to enter the *Enter Password* screen.

3 Enter the password with the number buttons on the remote control (the default password is **0000**). The *LOCK* menu opens.

4 Press ▲ / ▼ to select one of the following settings, then press ◄ / ► to change the setting. You can select:

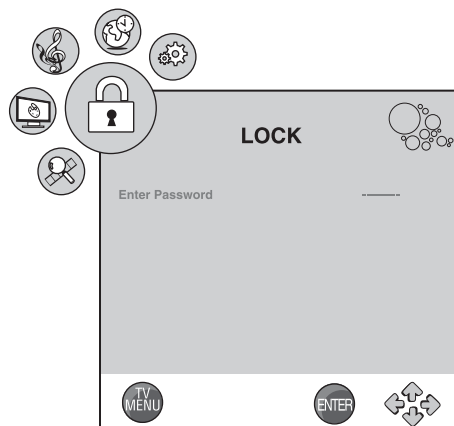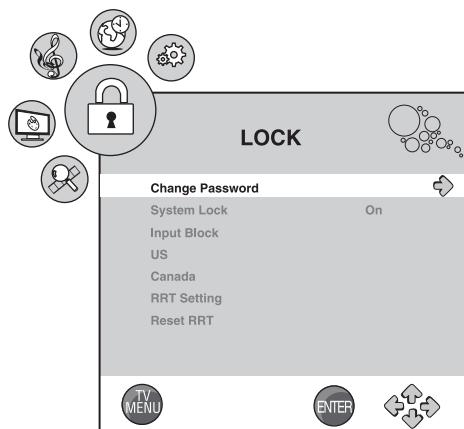- **Change Password**-For more information, see "Changing the password" on page 16.
- **System Lock**-**On** or **Off**. (**Input Block**, **US**, **Canada**, **RRT setting**, and **Reset RRT** are only available when **System Lock** is set to **On**.)
- **Input Block**-To block the input source.
- **US (United States)**-For more information, see "Setting the parental control level - US TV ratings" on page 17.
- **Canada**-For more information, see "Setting the parental control level - Canadian ratings" on page 19.
- **RRT Setting**-For more information, see "Setting the parental control level - RRT ratings" on page 20.
- **Reset RRT**-Select **YES**, then press **ENTER** to reset the RRT to the default settings.

5 Press **TV MENU** one or more times to close the menu.

Changing the password

To change the password:

1 Press **TV MENU** on the remote control, then press ◄ / ► to highlight the **LOCK** icon. The *Enter Password* screen opens.

2 Press ▼ to enter the *Enter Password* screen.

3 Enter the password with the number buttons on the remote control (the default password is **0000**). The *LOCK* menu opens.

4 Press ▲ / ▼ to highlight **Change Password**, then press ► to open the *Change Password* sub-menu.

5 Press the number buttons to input the old password (if you have not set a password, enter **0000**). The cursor moves to the **Enter New Password** column.

6 Press the number buttons on the remote control to input the new password. The cursor moves to the **Confirm Password** column.

7 Press number buttons to input the new password again.

Blocking an input source

To block an input source:

1 Press **TV MENU** on the remote control, then press ◄ / ► to highlight the **LOCK** icon. The *Enter Password* screen opens.

2 Press ▼ to enter the *Enter Password* screen.

3 Enter the password with the number buttons on the remote control (the default password is **0000**). The *LOCK* menu opens.
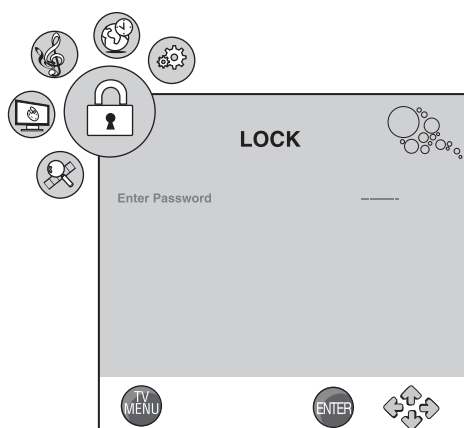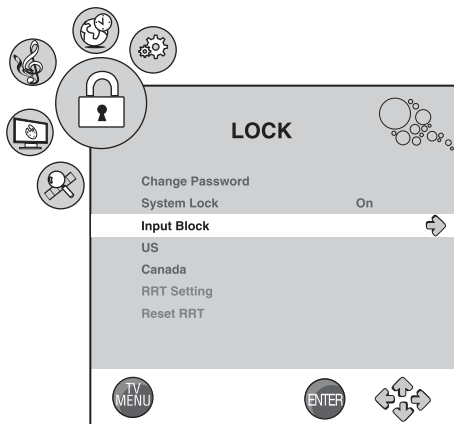

4 Press ▲ / ▼ to highlight **Input Block**, then press ▶ to open the *Input Block* sub-menu. The *Input Block* sub-menu opens.

5 Press ▲ / ▼ to select the input source you want to block, then press ◀ / ▶ to change the setting.

- **Block**-Block the input source. When you set the input source to **Block**, the screen turns black and "Input is blocked" will display on the screen when you exit the menu.
- **Unblock**-Unblock the input source.

6 Press **TV MENU** one or more times to close the menu.

Setting the parental control level - US TV ratings

To set US TV parental control levels:
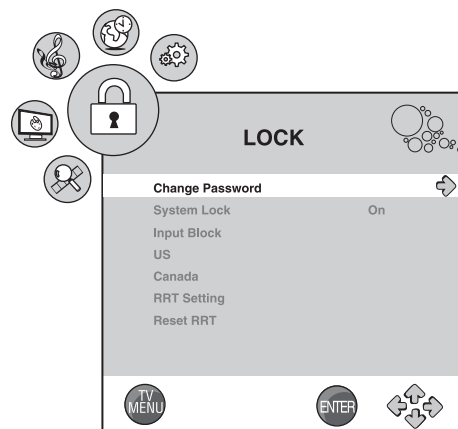
1 Press **TV MENU** on the remote control, then press ◀ / ▶ to highlight the **LOCK** icon. The *Enter Password* screen opens.
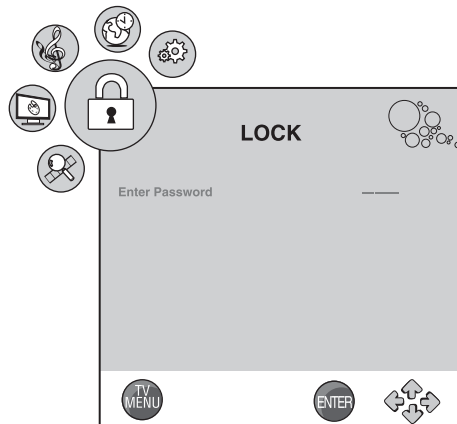
2 Press ▼ to enter the *Enter Password* screen.

3 Enter the password with the number buttons on the remote control (the default password is **0000**). The *LOCK* menu opens.
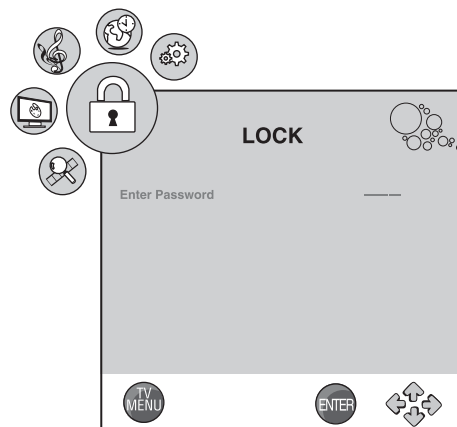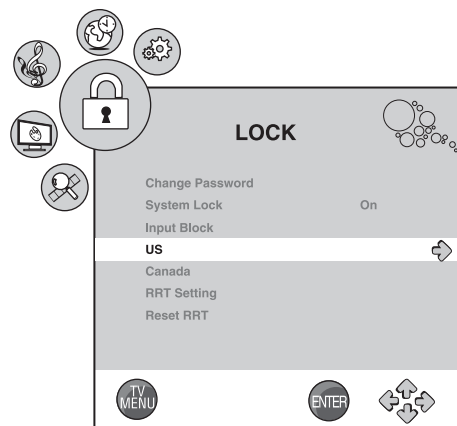

4 Press ▲ / ▼ to highlight **US**, then press ▶ to open the *US ratings* sub-menu. The *US ratings* sub-menu opens.
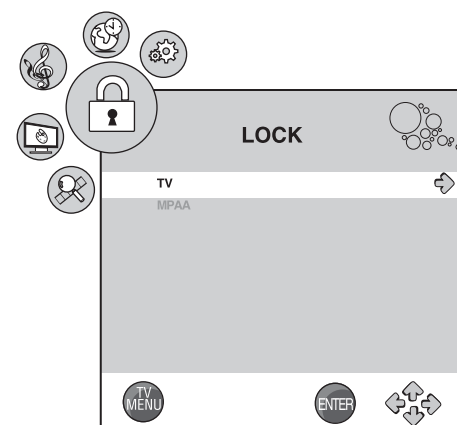
5 Press ▲ / ▼ to select **TV**, then press ▶ to open the *TV ratings* sub-menu. The *TV ratings* sub-menu opens.
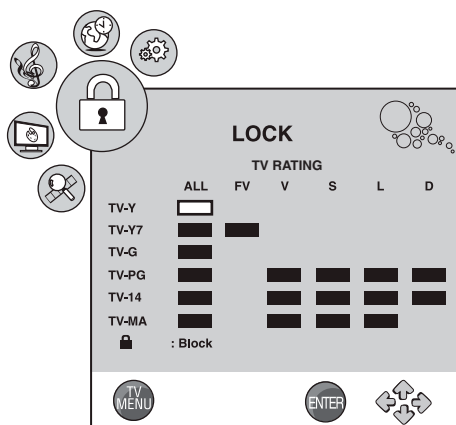
6 Press ▲ / ▼ / ◀ / ▶ to select any of the TV ratings, then press **ENTER**. The **Lock** icon appears.

TV Parental Guidelines ratings

Rating	Description
TV-Y	All children
TV-Y7	Children over seven years of age
TV-G	General audiences
TV-PG	Parental guidance suggested
TV-14	Parents strongly cautioned
TV-MA	Mature audiences only

Some of the age-based TV Parental Guidelines ratings also have content-based ratings.

Rating	Description
FV	Fantasy violence
L	Adult language
S	Sexual situations
V	Violence
D	Sexually suggestive dialog

7 Press **TV MENU** one or more times to close the menu.

Setting the parental control level - US TV movie ratings

To set US TV movie parental control levels:

1 Press **TV MENU** on the remote control, then press ◀ / ▶ to highlight the **LOCK** icon. The *Enter Password* screen opens.
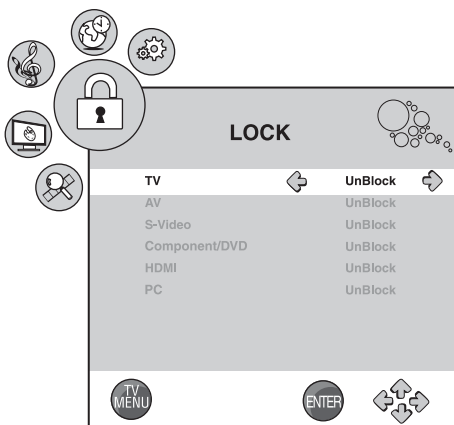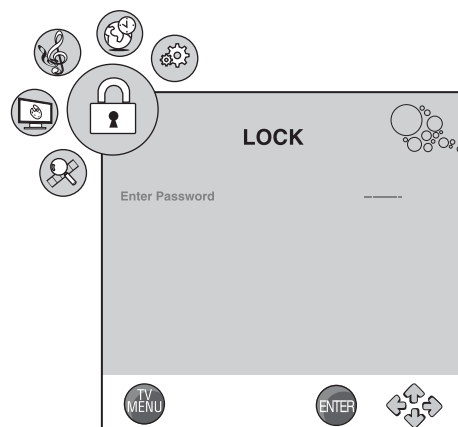

2 Press ▼ to enter the *Enter Password* screen.

3 Enter the password with the number buttons on the remote control (the default password is **0000**). The *LOCK* menu opens.
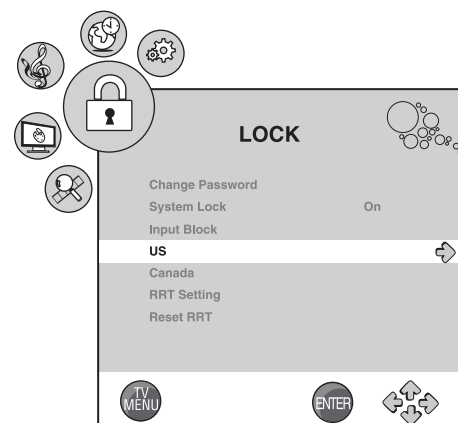
4 Press ▲ / ▼ to highlight **US**, then press ▶ to open the *US ratings* sub-menu. The *US ratings* sub-menu opens.
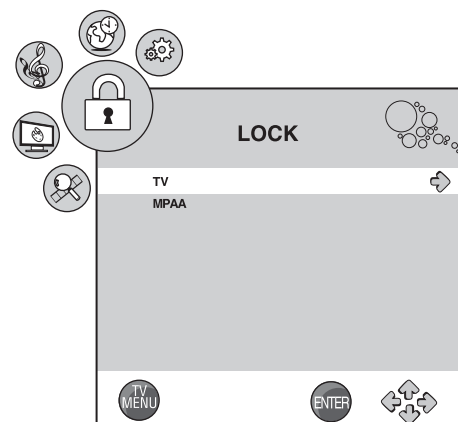
5 Press ▲ / ▼ to select **MPAA**, then press ▶ to open the *Movie ratings* sub-menu. The *Movie ratings* sub-menu opens.
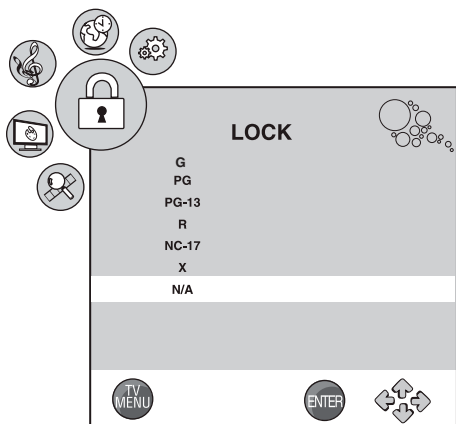
6 Press ▲ or ▼ to block or unblock the movie rating. "LOCK" appears next to the movie ratings you block.

US MPAA ratings

Rating	Description
G	General audiences
PG	Parental guidance suggested. Some material may not be suitable for children
PG-13	Parental guidance strongly suggested. Some material may not be suitable for children under 13 years of age
R	Restricted. Not suitable for children under 17 years of age unless accompanied by a parent or guardian
NC-17	Not suitable for children under 17 years of age
X	Adults only
N/A	Not rated

7 Press **TV MENU** one or more times to close the menu.

Setting the parental control level - Canadian ratings

To set Canadian parental control levels:

1 Press **TV MENU** on the remote control, then press ◀ / ▶ to highlight the **LOCK** icon. The *Enter Password* screen opens.
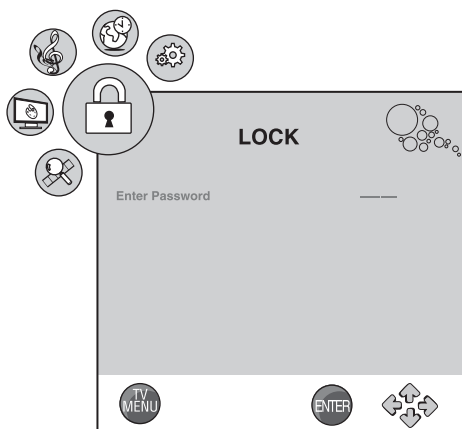

2 Press ▼ to enter the *Enter Password* screen.

3 Enter the password with the number buttons on the remote control (the default password is **0000**). The *LOCK* menu opens.
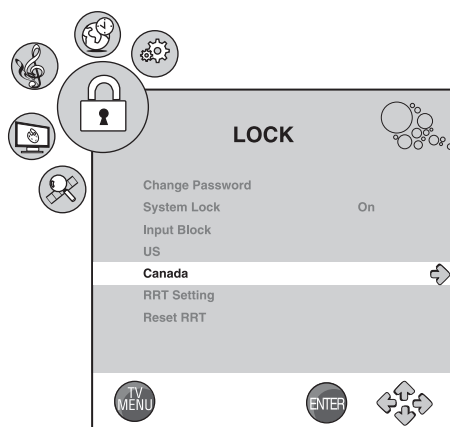
4 Press ▲ / ▼ to highlight **Canada**, then press ▶ to open the *Canada ratings* sub-menu. The *Canada ratings* sub-menu opens.
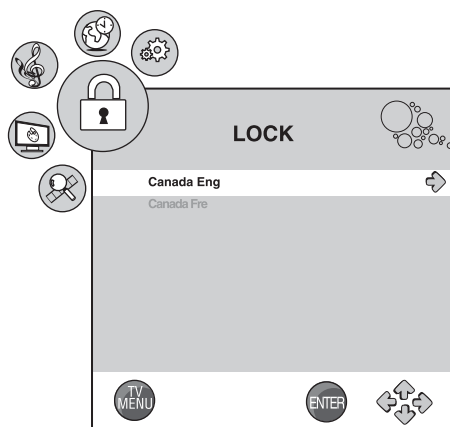
5 Press ▲ / ▼ to select **Canada Eng** (English) or **Canada Fre** (French), then press ▶ to open the *Canada ratings* sub-menu. The *Canada ratings* sub-menu opens.

Canada English
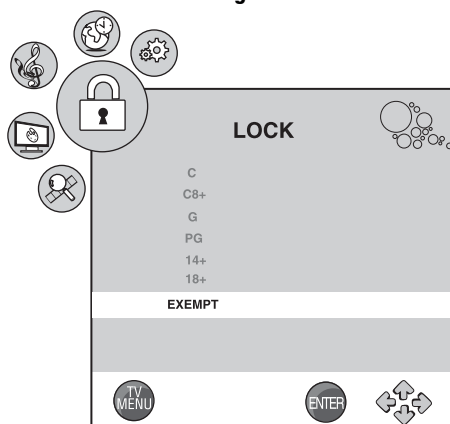
Canada French
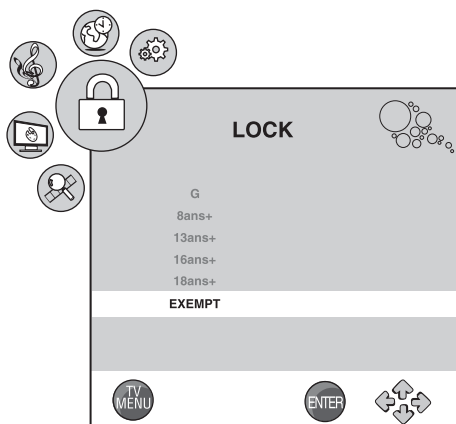
6 Press ▲ / ▼ to block or unblock the movie rating. "LOCK" appears next to the movie ratings you block.

Canadian English MPAA ratings

Rating	Description
C	Children
C8+	Children 8 years and above
G	General audience
PG	Parental guidance suggested
14+	14 years old and above
18+	Adult programming
EXEMPT	Not rated

Canadian French MPAA ratings

Rating	Description
G	Children
8ans+	Children 8 years and above
13ans+	Children 13 years and above
16ans+	Children 16 years and above
18ans+	Adult programming
EXEMPT	Not rated

7 Press **TV MENU** one or more times to close the menu.

Setting the parental control level - RRT ratings

The V-Chip recognizes the current RRT, which is communicated as part of the Program and System Information Protocol (*PSIP*). It depends on broadcasts which could communicate a new rating system through the PSIP that both the chip and a TV's software can understand. With the RRT setting, program blocking occurs when a program rating is received that meets the pre-determined user requirement.

The following is an example of one segment.

To set the RRT rating levels:

1 Press **TV MENU** on the remote control, then press ◄ / ► to highlight the **LOCK** icon. The *Enter Password* screen opens.
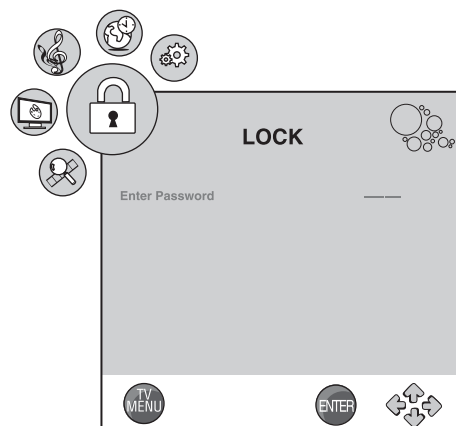

2 Press ▼ to enter the *Enter Password* screen.

3 Enter the password with the number buttons on the remote control (the default password is **0000**). The *LOCK* menu opens.
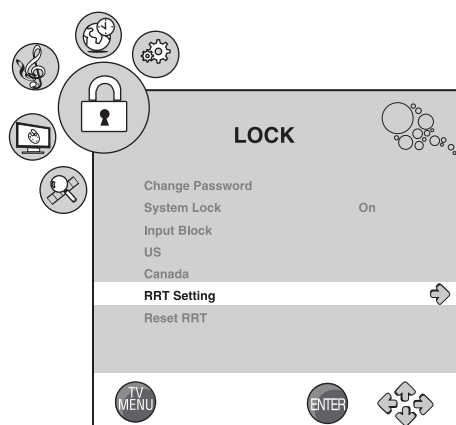
4 Press ▲ / ▼ to highlight **RRT Setting**, then press ► to open the *RRT ratings* sub-menu. The *RRT ratings* sub-menu opens.
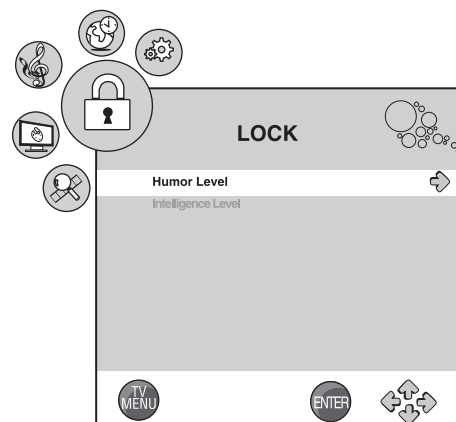
5 Press ▲ / ▼ to select **Humor Level** or **Intelligence Level**, then press ▶ to open the selected sub-menu. The selected sub-menu opens.

Humor Level

Intelligence Level
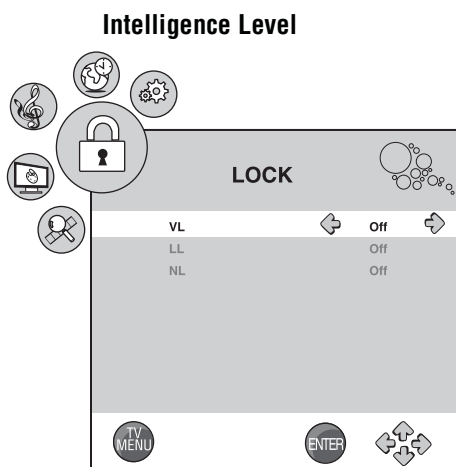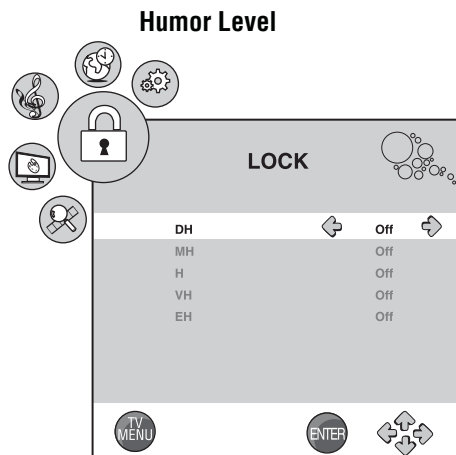
6 Press ▲ / ▼ to select the rating level you want to set, then press ◀ / ▶ to set the rating to **On** or **Off**. Ratings include:

- **Humor Level**-**DH, MH, H, VH, EH**.
- **Intelligence Level**-**VL, LL, NL**.

7 Press **TV MENU** one or more times to close the menu.

PC input signal chart

The following chart shows the suggested screen resolutions.

| Mode	Resolution	Freq. (Hz)
IBM,VGA	640 × 480	60
	720 × 400	70
VESA	800 × 600	56
VESA	800 × 600	60
VESA	800 × 600	72
MAC	832 × 624	75
VESA	1024 × 768	60
	1680 × 1050	60

If "Unsupported" appears on the screen, adjust the PC display setting to correspond to one of the settings in the above table.

Changing your computer's video resolution

The following example shows Windows XP settings. Even if you use a different Windows operating system, the basic setup methods are similar. For changing video resolution on a Macintosh computer, refer to your Macintosh documentation.

To change your computer's video resolution:
1 Click **Start**, **Control Panel**, then double-click **Display**. The *Display Properties* dialog box opens.
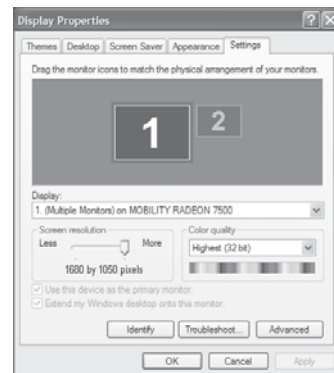
2 Click the **Settings** tab.
3 Change the screen resolution setting to a supported resolution (the ideal resolution for your TV is **1680 × 1050**).
4 Click **OK**, then click **Yes** to save your changes.

Using the DVD player

Playing a DVD

To play a DVD:
1 Press **POWER** ⏻ to turn on your TV.
2 Press **INPUT**, press ▲ / ▼ to select **DVD**, then press **ENTER**. You can also press **DVD** on the remote control to select the DVD mode. The DVD startup screen appears on the screen.

> **Note**
> Playback starts automatically if a DVD is already loaded

3 Insert a DVD into the disc slot, with the label facing forward. The DVD player reads the DVD and displays the opening menu.
4 Press ▲ / ▼ and ◀ / ▶ to highlight a menu item, then press **ENTER**.
5 During playback:

- Press ▶❚❚ (Play/Pause) to pause playback. Press it again to resume playback.
- Press ◀◀ to fast-reverse, and press ▶▶ to fast-forward.
- Press ❙◀◀ to skip to the previous chapter, or press ▶▶❙ to skip to the next chapter.
- To ❙▶ play in slow motion (forward or reverse).

- To completely stop DVD playback, press ■ **STOP** twice.

6 Press ▲ to remove the DVD.

Playing an audio CD

To play an audio CD:

1 Press **POWER** ⏻ to turn on your TV.

2 Press **INPUT**, press ▲ / ▼ to select **DVD**, then press **ENTER**. You can also press **DVD** on the remote control to select the DVD mode. The DVD startup screen appears on the screen.

> **Note**
> Playback starts automatically if a CD is already loaded

3 Insert a CD into the disc slot, with the label facing forward.

4 Press ▶❙❙ (Play/Pause). The tracks play in numerical order.

5 Press ■ **STOP** to stop playback, or press ▶❙❙ (Play/Pause) to pause playback.

6 Press ▲ to remove the CD.

To select a specific track for playback:

- After you insert a CD and your TV finishes reading the disc, press the number buttons to enter the track number you want to play, then press **ENTER**.

```
TRACK08/20   00:00
```

Using DVD repeat play

You can repeat chapters, titles, or the entire DVD.

To use repeat play:

1 While the DVD is playing, press **REPEAT** to select what you want to repeat. You can select:

- **CHAPTER** (repeats the current chapter)
- **TITLE** (repeats the current title)
- **ALL** (repeats the entire DVD)

2 To stop repeat playback, do one of the following:

- Press **REPEAT** until **ALL** disappears from the screen.
- Press ■ **STOP** twice.
- Eject the DVD.

Using CD repeat play

You can repeat tracks or the entire CD using repeat play.

To use repeat play:

1 While the CD is playing, press **REPEAT** to select what you want to repeat. You can select:

- **ALL** (repeats the current CD)
- **TRACK** (repeats the current track)

2 To stop repeat playback, do one of the following:

- Press **REPEAT** until **ALL** disappears from the screen.
- Press ■ **STOP** twice.
- Eject the CD.

Using a DVD title menu

If a DVD has two or more titles and the DVD has a title menu, you can use this menu to select a title for playback.

To use a DVD title menu:

1 While the DVD is playing, press **DVD TITLE**.

2 Press ▲ / ▼ or ◀ / ▶ to select a title.

3 Press **ENTER**. Playback starts with the title you selected.

Using a DVD menu

If the DVD has a menu, you can use this menu to select features such as the subtitle or audio language.

To use a DVD menu:

1 While the DVD is playing, press **DVD MENU**.

2 Press ▲ / ▼ or ◀ / ▶ to select a feature, then press **ENTER**.

If another screen opens, repeat Step 2 and Step 3 to select a feature.

Searching for a DVD title or chapter

To search for a DVD title or chapter:

1 After inserting a DVD, press **T.SEARCH**. The following box opens.

```
TITLE 03/04   CHAPTER -- /09
```

2 Press ◀ / ▶ to select a title, then press a number button for the title, then press **ENTER**.

```
TITLE -- /04   CHAPTER 00/00
```

3 Repeat Step 2 and Step 3 to select a chapter number.

Searching for a specified time on a DVD

To search for a specified time on a DVD:
1 After inserting a DVD, press **T.SEARCH** one or more times until one of the following boxes opens.

```
TITLE 03/04   TIME --:--:--
```

```
CHAPTER 03/09   TIME --:--:--
```

2 Use the number buttons to enter the amount of time you want to skip on the DVD, then press **ENTER**.

Searching for a specific track on a CD

To search for a specific track:
1 After inserting a CD, press **T.SEARCH** one or more times until the following box opens.

```
TRACK  --:17        00:00
```

2 Press a number button for the track, then press **ENTER**.

Searching for a specified time on a CD track

To search for a specified time on a CD track:
1 After inserting a CD, press **T.SEARCH** one or more times until one of the following boxes opens.

```
DISC GOTO  --:--
```

```
TRACK GOTO  --:--
```
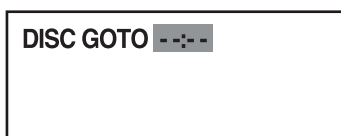
2 Use the number buttons to enter the amount of time you want to skip on the track, then press **ENTER**.

Changing the DVD audio language

If a DVD has multiple audio languages, you can change the language.

To change the audio language:
1 Press **AUDIO**. The on-screen display (OSD) shows the current audio language.

2 If multiple audio languages are available, press **AUDIO** to cycle through the available languages.

```
AUDIO  1/2:AC-3  5.1CH
```

```
AUDIO  2/2:AC-3  5.1CH
```
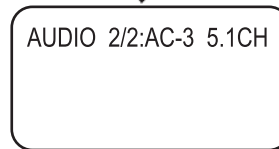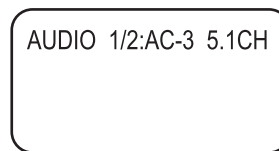
Note
This feature only works if the DVD was created with multiple audio languages. When you choose an audio language, you temporarily override the audio language setting.

Tip
The audio language can also be changed through the DVD player's main menu or the DVD's own audio settings.

Turning DVD subtitle on and off

To turn subtitles on and off:
1 While your TV is in DVD mode, press **SETUP**. The **General Setup** icon 🖥 is highlighted.

```
    -- GENERAL SETUP PAGE --

TV DISPLAY        WIDE
TV OUTPUT         YPbPr
CAPTIONS          OFF
SCREEN SAVER      ON
LAST MEMORY       ON

GOTO GENERAL SETUP PAGE
```

2 Press **ENTER**. The *General Setup Page* opens.

```
    -- GENERAL SETUP PAGE --

TV DISPLAY     WIDE    NORMAL/PS
                       NORMAL/LB
                       WIDE
TV OUTPUT      YPbPr   YPbPr
                       YCbCr
CAPTIONS       OFF     ON
                       OFF
SCREEN SAVER   ON      ON
                       OFF
LAST MEMORY    ON      ON
                       OFF
```
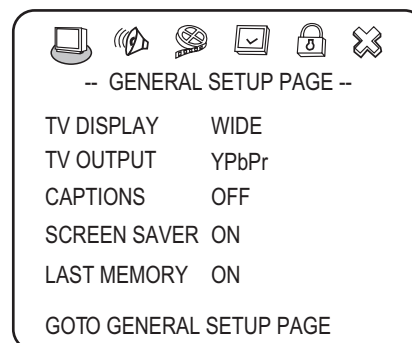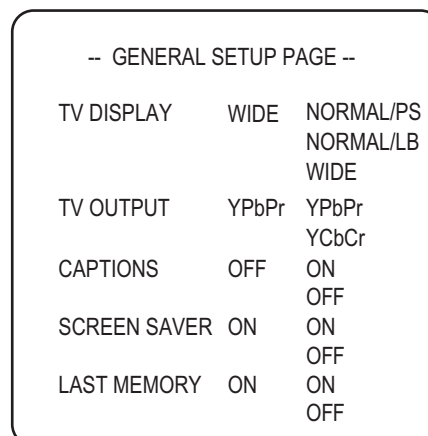
3 Press ▲ / ▼ to highlight **CAPTIONS**, then press **ENTER**.

4 Press ▲ / ▼ to highlight **ON** or **OFF**, then press **ENTER**.

5 Press ◄ one or more times to go back to the previous menu.

6 To close the menu, press ◄ to highlight the **Exit** icon, then press **ENTER**.

Selecting the subtitle language

If a DVD has subtitles, you can change the subtitle language displayed.

To change the subtitle language for the currently playing DVD:

1 Press **SUBTITLE** one or more times to cycle through the available subtitle languages.

> SUBTITLE01/03:ENGLISH

2 To turn off subtitles, press **SUBTITLE** until **TURN OFF SUBTITLE** appears on the screen.

> **Note**
> Changing the subtitle language using this method only affects the DVD currently being played. When the DVD is removed or your TV is turned off, the subtitle language reverts to the language setting specified through the DVD player's main menu.

> **Tip**
> The subtitle language can also be changed through the DVD player's main menu or the DVD's own subtitle settings.

Changing the DVD display mode

To change your TV's display mode:

1 While your TV is in DVD mode, press **SETUP**. The **General Setup** icon 🖳 is highlighted.

> 🖳 ⓦ 📀 🖳 🔒 ✖
> -- GENERAL SETUP PAGE --
>
> TV DISPLAY   WIDE
> TV OUTPUT   YPbPr
> CAPTIONS   OFF
> SCREEN SAVER   ON
> LAST MEMORY   ON
>
> GOTO GENERAL SETUP PAGE

2 Press **ENTER**. The *General Setup Page* opens.

> -- GENERAL SETUP PAGE --
>
> TV DISPLAY   WIDE   NORMAL/PS
>   NORMAL/LB
>   WIDE
> TV OUTPUT   YPbPr   YPbPr
>   YCbCr
> CAPTIONS   OFF   ON
>   OFF
> SCREEN SAVER ON   ON
>   OFF
> LAST MEMORY   ON   ON
>   OFF

3 Press ▲ / ▼ to select **TV DISPLAY**, then press **ENTER**.

4 Press ▲ / ▼ to highlight the type of display you want, then press **ENTER**.

- **NORMAL/PS**

Widescreen images are shown on the screen, but with some parts automatically cut off the sides.

- **NORMAL/LB**

Widescreen images are shown on the screen with black bars on the top and bottom of the screen.

- **WIDE**
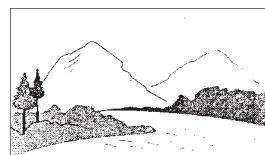
Widescreen images fill the entire screen.

5 Press ◄ one or more times to go back to the previous menu.

6 To close the menu, press ◄ to highlight the **Exit** icon, then press **ENTER**.

Setting up TV OUTPUT

To setup TV OUTPUT:

1 While your TV is in DVD mode, press **SETUP**. The **General Setup** icon ⬚ is highlighted.

```
-- GENERAL SETUP PAGE --

TV DISPLAY       WIDE
TV OUTPUT        YPbPr
CAPTIONS         OFF
SCREEN SAVER     ON
LAST MEMORY      ON

GOTO GENERAL SETUP PAGE
```

2 Press **ENTER**. The *General Setup Page* opens.

```
-- GENERAL SETUP PAGE --

TV DISPLAY      WIDE    NORMAL/PS
                        NORMAL/LB
                        WIDE

TV OUTPUT       YPbPr   YPbPr
                        YCbCr

CAPTIONS        OFF     ON
                        OFF

SCREEN SAVER    ON      ON
                        OFF

LAST MEMORY     ON      ON
                        OFF
```
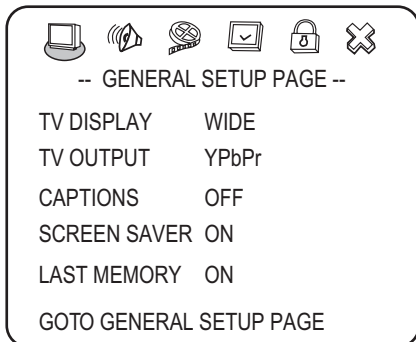
3 Press ▲ / ▼ to highlight **TV OUTPUT,** then press **ENTER**.

4 Press ▲ / ▼ to highlight **YPbPr** or **YCbCr**, then press **ENTER**.

5 Press ◄ one or more times to go back to the previous menu.

6 To close the menu, press ◄ to highlight the **Exit** icon, then press **ENTER**.

Notes
- The image output from DVD VIDEO OUTPUT is normal when you set the **TV OUTPUT** to **YCbCr**.
- DVD VIDEO OUTPUT only for DVD input.

Turning the screen saver on and off

To turn the screen saver on and off:

1 While your TV is in DVD mode, press **SETUP**. The **General Setup** icon ⬚ is highlighted.

```
-- GENERAL SETUP PAGE --

TV DISPLAY       WIDE
TV OUTPUT        YPbPr
CAPTIONS         OFF
SCREEN SAVER     ON
LAST MEMORY      ON

GOTO GENERAL SETUP PAGE
```

2 Press **ENTER**. The *General Setup Page* opens.

```
-- GENERAL SETUP PAGE --

TV DISPLAY      WIDE    NORMAL/PS
                        NORMAL/LB
                        WIDE

TV OUTPUT       YPbPr   YPbPr
                        YCbCr

CAPTIONS        OFF     ON
                        OFF

SCREEN SAVER    ON      ON
                        OFF

LAST MEMORY     ON      ON
                        OFF
```
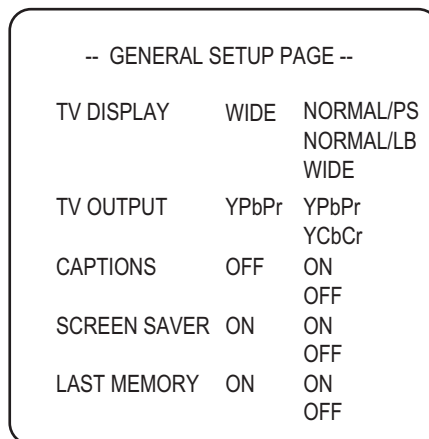
3 Press ▲ / ▼ to highlight **SCREEN SAVER,** then press **ENTER**.

4 Press ▲ / ▼ to highlight **ON** or **OFF**, then press **ENTER**.

5 Press ◄ one or more times to go back to the previous menu.

6 To close the menu, press ◄ to highlight the **Exit** icon, then press **ENTER**.

Using DVD last memory

Your TV can remember where a DVD stopped playing when your TV is turned off. When your DVD combo is turned on and you start DVD playback, playback resumes at the point where it stopped.

To use last memory:

1 While your TV is in DVD mode, press **SETUP**. The **General Setup** icon ⬚ is highlighted.

```
-- GENERAL SETUP PAGE --

TV DISPLAY       WIDE
TV OUTPUT        YPbPr
CAPTIONS         OFF
SCREEN SAVER     ON
LAST MEMORY      ON

GOTO GENERAL SETUP PAGE
```

2 Press **ENTER**. The *General Setup Page* opens.

```
    -- GENERAL SETUP PAGE --

TV DISPLAY       WIDE     NORMAL/PS
                          NORMAL/LB
                          WIDE
TV OUTPUT        YPbPr    YPbPr
                          YCbCr
CAPTIONS         OFF      ON
                          OFF
SCREEN SAVER     ON       ON
                          OFF
LAST MEMORY      ON       ON
                          OFF
```

3 Press ▲ / ▼ to highlight **LAST MEMORY**, then press **ENTER**.

4 Press ▲ / ▼ to highlight **ON** or **OFF**, then press **ENTER**.

5 Press ◄ one or more times to go back to the previous menu.

6 To close the menu, press ◄ to highlight the **Exit** icon, then press **ENTER**.

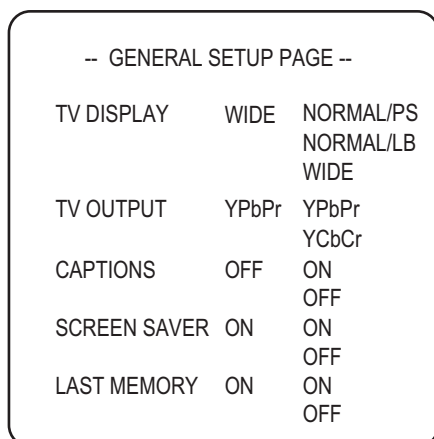## Setting up DVD speaker output

To set up speaker output:

1 While your TV is in DVD mode, press **SETUP**. The *Setup Menu* opens.
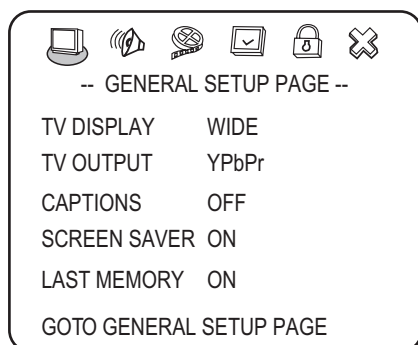
```
 🖳   🔊   💿   🖵   🔒   ✖
     -- GENERAL SETUP PAGE --

TV DISPLAY       WIDE
TV OUTPUT        YPbPr
CAPTIONS         OFF
SCREEN SAVER     ON
LAST MEMORY      ON

GOTO GENERAL SETUP PAGE
```

2 Press ◄ / ► to select the **Audio** icon 🔊, then press **ENTER**. The *Audio Setup Page* opens.

```
 🖳   🔊   💿   🖵   🔒   ✖
     -- AUDIO SETUP PAGE --

SPEAKER SETUP

DOLBY DIGITAL SETUP

CHANNEL EQUALIZER

3D PROCESSING


GO TO SPEAKER SETUP PAGE
```

3 Press ▲ / ▼ to highlight **Speaker Setup**, then press **ENTER**. The *Speaker Setup Page* opens.

```
 - - SPEAKER SETUP PAGE - -
DOWNMIX      STR       Lt/Rt
                       STEREO
AUDIO SETUP
```
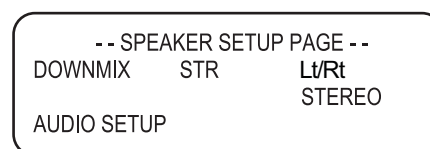
4 Press ▲ / ▼ to highlight **DOWNMIX**, then press **ENTER**.

5 Press ▲ / ▼ to highlight **Lt/Rt** or **STEREO**, then press **ENTER**.

- **Lt/Rt**-On a disc recorded with a multichannel soundtrack, the output signal will be incorporated into the left and right channel.
- **STEREO**-On a disc recorded with a multichannel soundtrack, the output signal will be incorporated into stereo.

6 Press ◄ one or more times to go back to the previous menu.

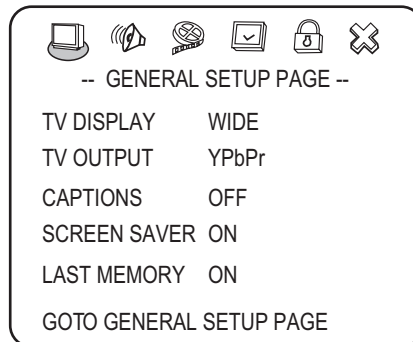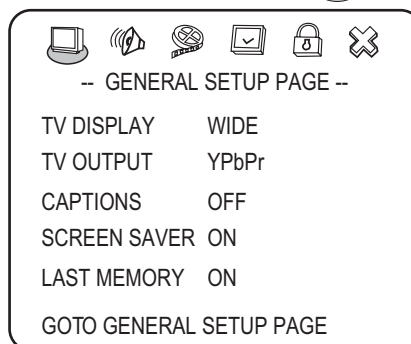**7** To close the menu, press ◄ to highlight the **Exit** icon, then press **ENTER**.

Setting up DVD Dolby Digital
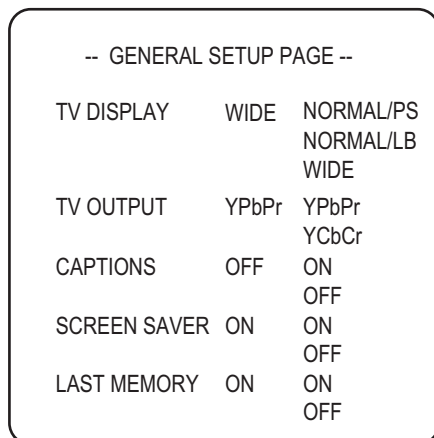
To set up Dolby Digital:

1 While your TV is in DVD mode, press **SETUP**. The *Setup Menu* opens.
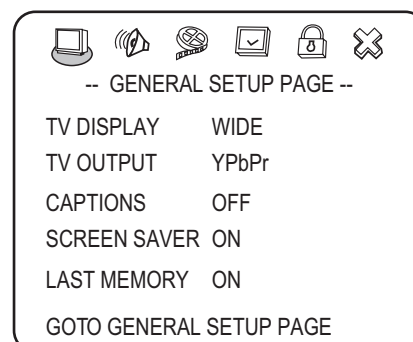
```
 🖳   🔊   💿   🖵   🔒   ✖
     -- GENERAL SETUP PAGE --

TV DISPLAY       WIDE
TV OUTPUT        YPbPr
CAPTIONS         OFF
SCREEN SAVER     ON
LAST MEMORY      ON

GOTO GENERAL SETUP PAGE
```

2 Press ◄ / ► to select the **Audio** icon 🔊, then press **ENTER**. The *Audio Setup Page* opens.

```
 🖳   🔊   💿   🖵   🔒   ✖
     -- AUDIO SETUP PAGE --

SPEAKER SETUP

DOLBY DIGITAL SETUP

CHANNEL EQUALIZER

3D PROCESSING


GO TO SPEAKER SETUP PAGE
```

3 Press ▲ / ▼ to highlight **DOLBY DIGITAL SETUP**, then press **ENTER**. The *Dolby Digital Setup Page* opens.

```
- - DOLBY DIGITAL SETUP - -
DUAL MONO      STR      STEREO
                        LEFT MONO
                        RIGHT MONO
                        MIXED MONO
D.R.C                          ┌─ FULL
                               ├─ 3/4
                               ├─ 2/4
AUDIO SETUP                    ├─ 1/4
                               └─ OFF
```
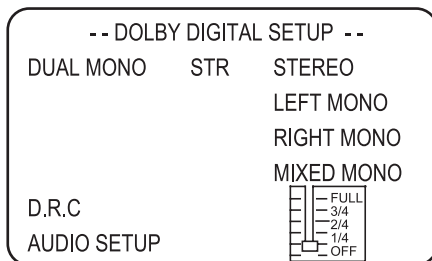
4 Press ▲ / ▼ to highlight **DUAL MONO** or **D.R.C**, then press **ENTER**.

5 Press ▲ / ▼ to highlight **STEREO, LEFT MONO, RIGHT MONO,** or **MIXED MONO,** then press **ENTER**.

- **DUAL MONO**-This is the output mode for the left and right signals of the selected audio output. If it is set to **MIXED MONO**, the function only works when the DVD uses 5.1-channel sound.
- **D.R.C**-Select to adjust the linear compression rate to obtain different compression results for the signals.

6 Press ▲ / ▼ to change the setting, then press **ENTER**.

7 Press ◄ one or more times to go back to the previous menu.

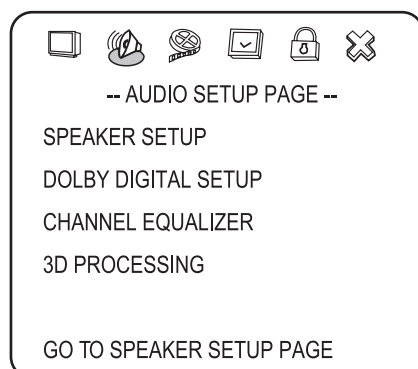**8** To close the menu, press ◄ to highlight the **Exit** icon, then press **ENTER**.

Using the DVD equalizer

You can select preset graphic equalizer patterns according to the genre of the music being played. You can also adjust the equalizer settings.

To use the equalizer:

1 While your TV is in DVD mode, press **SETUP**. The *Setup Menu* opens.
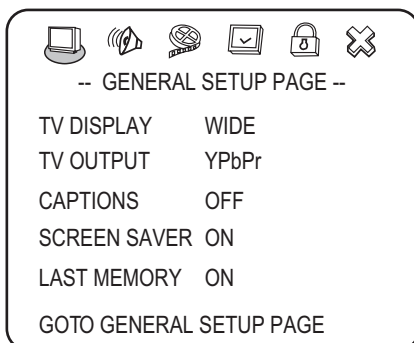
```
🖥  🔊  📀  🖳  🔒  ✕
   -- GENERAL SETUP PAGE --

TV DISPLAY        WIDE
TV OUTPUT         YPbPr
CAPTIONS          OFF
SCREEN SAVER      ON
LAST MEMORY       ON

GOTO GENERAL SETUP PAGE
```

2 Press ◄ / ► to select the **Audio** icon 🔊, then press **ENTER**. The *Audio Setup Page* opens.

```
🖥  🔊  📀  🖳  🔒  ✕
   – AUDIO SETUP PAGE --

SPEAKER SETUP
DOLBY DIGITAL SETUP
CHANNEL EQUALIZER
3D PROCESSING


GO TO SPEAKER SETUP PAGE
```

3 Press ▲ / ▼ to highlight **CHANNEL EQUALIZER,** then press **ENTER**. The *Channel Equalizer Page* opens.

4 Press ▲ / ▼ to highlight **EQ TYPE**, then press **ENTER**.

5 Press ▲ / ▼ to select one of the following preset equalizer patterns, then press **ENTER**:

- **NONE**
- **ROCK**
- **POP**
- **LIVE**
- **DANCE**
- **TECHNO**
- **CLASSIC**
- **SOFT**

6 Press ◄ one or more times to go back to the previous menu.

7 To close the menu, press ◄ to highlight the **Exit** icon, then press **ENTER**.
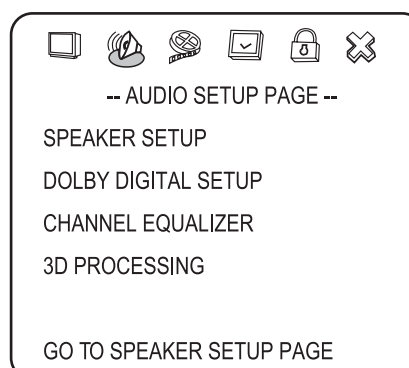
Setting up DVD 3D sound

To set up 3D sound:

1 While your TV is in DVD mode, press **SETUP**. The *Setup Menu* opens.
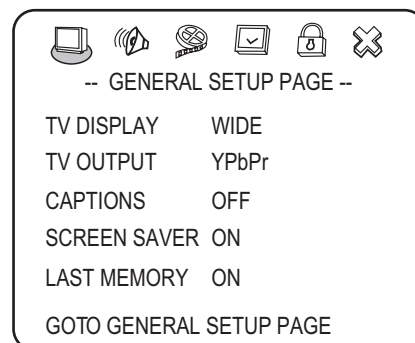
```
🖥  🔊  📀  🖳  🔒  ✕
   -- GENERAL SETUP PAGE --

TV DISPLAY        WIDE
TV OUTPUT         YPbPr
CAPTIONS          OFF
SCREEN SAVER      ON
LAST MEMORY       ON

GOTO GENERAL SETUP PAGE
```

2 Press ◄/► to select the **Audio** icon 🔊, then press **ENTER**. The *Audio Setup Page* opens.

```
 🖵  🔊  🎞  🖳  🔒  ✖

      – AUDIO SETUP PAGE --

 SPEAKER SETUP

 DOLBY DIGITAL SETUP

 CHANNEL EQUALIZER

 3D PROCESSING


 GO TO SPEAKER SETUP PAGE
```

3 Press ▲/▼ to highlight **3D PROCESSING**, then press **ENTER**. The *3D Processing Page* opens.

```
      - - 3D PROCESSING PAGE - -

 V SURR         OFF    ON
                       OFF
 REVERB MODE OFF       OFF
                       CONCERT
                       LIVING ROOM
                       HALL
                       BATHROOM
                       CAVE
                       ARENA
                       CHURCH
 AUDIO SETUP
```
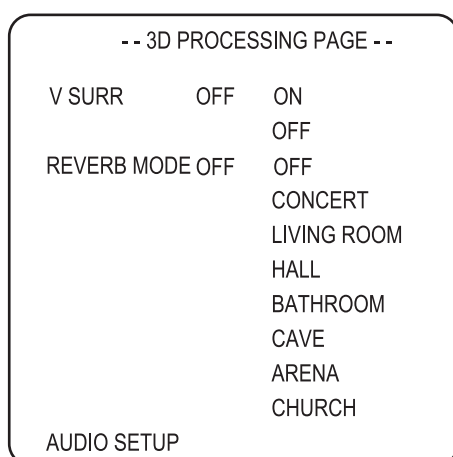
4 Press ▲/▼ to select one of the following options, then press **ENTER**:
   • **V SURR**-Turns virtual surround sound on and off.
   • **REVERB MODE**-Select a reverb mode.
5 Press ▲/▼ to select from the options for the mode you have chosen, then press **ENTER**.
6 Press ◄ one or more times to go back to the previous menu.
7 To close the menu, press ◄ to highlight the **Exit** icon, then press **ENTER**.

Setting DVD video options
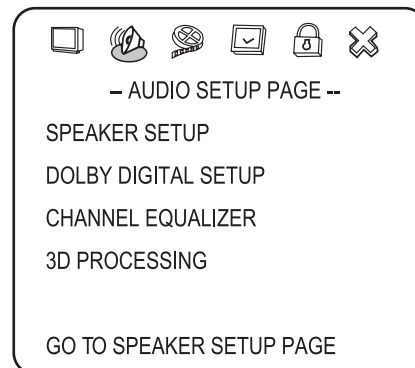
To set up video options:
1 While your TV is in DVD mode, press **SETUP**. The *Setup Menu* opens.

```
 🖳  🔊  🎞  🖳  🔒  ✖

      -- GENERAL SETUP PAGE --

 TV DISPLAY        WIDE

 TV OUTPUT         YPbPr

 CAPTIONS          OFF

 SCREEN SAVER  ON

 LAST MEMORY   ON

 GOTO GENERAL SETUP PAGE
```
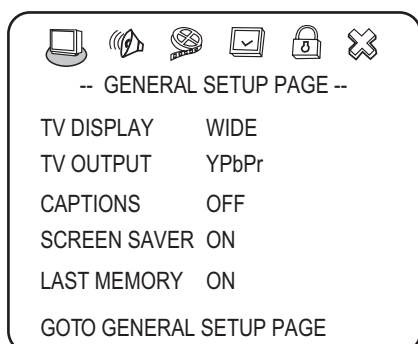
2 Press ◄/► to select the **Video** icon 🎞, then press **ENTER**. The *Video Setup Page* opens.

```
 🖵  🔊  🎞  🖳  🔒  ✖

      - - VIDEO SETUP PAGE - -
 SHARPNESS     MID   HIGH
                     MEDIUM
                     LOW

 BRIGHTNESS    00

 CONTRAST      00
 BLACK LEVEL       NORMAL
                   LIGHTER
```

3 Press ▲/▼ to highlight one of the following options, then press **ENTER** to select:
   • **SHARPNESS**—Sets the sharpness level. Press ▲/▼ to highlight **HIGH**, **MEDIUM**, or **LOW**, then press **ENTER** to select.
   • **BRIGHTNESS**—Sets the brightness level. Press ◄/► to adjust the level, then press **ENTER** to confirm.
   • **CONTRAST**—Sets the contrast level. Press ◄/► to adjust the level, then press **ENTER** to confirm.
   • **BLACK LEVEL**—Sets the black level. Press ▲/▼ to highlight **NORMAL** or **LIGHTER**, then press **ENTER** to select.
4 Press ◄ one or more times to go back to the previous menu.
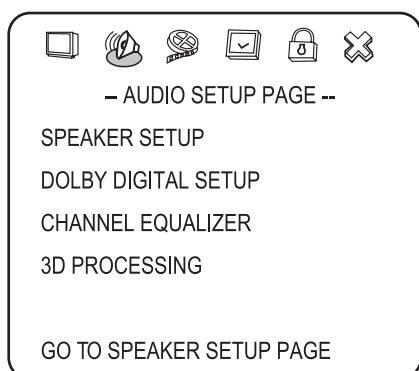**5** To close the menu, press ◄ to highlight the **Exit** icon, then press **ENTER**.

Setting a DVD parental password

To set or change a password:
1 While your TV is in DVD mode, press **SETUP**. The *Setup Menu* opens.

```
 🖳  🔊  🎞  🖳  🔒  ✖

      -- GENERAL SETUP PAGE --

 TV DISPLAY        WIDE

 TV OUTPUT         YPbPr

 CAPTIONS          OFF

 SCREEN SAVER  ON

 LAST MEMORY   ON

 GOTO GENERAL SETUP PAGE
```
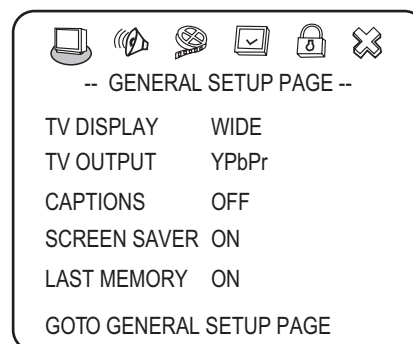
2 Press ◀ / ▶ to select the **Password Setup** icon 🔒, then press **ENTER**. The *Password Setup Page* opens.

```
-- PASSWORD SETUP PAGE --
PW MODE        OFF   ON
                     OFF
PASSWORD      CHANGE
PARENTAL      06    1 KID
                    2 PG
                    3 PG 13
                    4 R
                    5 NC-17
                    6 ADULT
```

3 Press ▲ / ▼ to select one of the following options, then press **ENTER**:

- **PW MODE**-Select **ON** to turn on the password feature. **PARENTAL** is dim and cannot be selected. Select **OFF** to turn off the password feature. **PARENTAL** can be selected.
- **PASSWORD CHANGE**-Select to change the password. The preset factory password is **99999**.
- **PARENTAL**-If the parental lock feature is turned on, this lets you block and unblock DVD ratings. You cannot play DVDs that are rated higher than the setting you select.

4 Press ▲ / ▼ to select from the options for the item you have chosen, then press **ENTER**.

5 Press ◀ one or more times to go back to the previous menu.

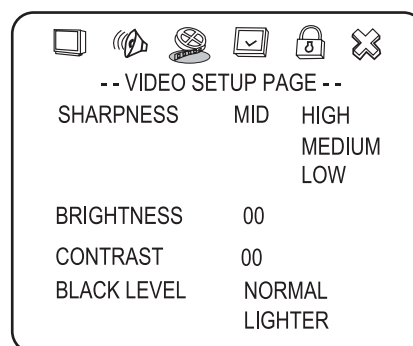**6** To close the menu, press ◀ to highlight the **Exit** icon, then press **ENTER**.

Changing DVD preferences

You can change preferences only when the player is in STOP mode and the **PW** mode is set to **OFF** on the *Password Setup* page.

To change preferences:

1 While your TV is in DVD mode, press **SETUP**. The *Setup Menu* opens.

```
🖥  📢  📀  🗔  🔒  ✖
      -- GENERAL SETUP PAGE --

TV DISPLAY      WIDE
TV OUTPUT       YPbPr
CAPTIONS        OFF
SCREEN SAVER    ON
LAST MEMORY     ON

GOTO GENERAL SETUP PAGE
```

2 Press ◀/▶ to select the **Preferences** icon 🗔 then press **ENTER**. The *Preferences Page* opens.

```
-- PREFERENCE PAGE --
AUDIO      ENG     ENGLISH
                   FRENCH
                   SPANISH
                   CHINESE
                   JAPANESE

SUBTITLE   OFF     ENGLISH
                   FRENCH
                   SPANISH
                   CHINESE
                   JAPANESE
                   OFF

DISC MENU  ENG     ENGLISH
                   FRENCH
                   SPANISH
                   CHINESE
                   JAPANESE

DEFAULT        RESET
```

3 Press ▲ / ▼ to select one of the following options, then press **ENTER**:

- **AUDIO**-Changes the DVD audio language. If the language you select is available on the DVD, the audio is played in that language. If the language you select is not available on the DVD, the original audio is played.
- **SUBTITLE**-Changes the DVD subtitle language. If the language you select is available on the DVD, subtitles are displayed in that language. If the language you select is not available on the DVD, the original subtitle language is displayed.
- **DISC MENU**-Changes the language for the disc menu. If the language you select is available on the DVD, the disc menu is displayed in that language. If the language you select is not available on the DVD, the disc menu is displayed in the original language.
- **DEFAULT**-Resets the DVD player settings to the default settings.

4 Press ▲ / ▼ to select from the options for the item you have chosen, then press **ENTER**.

5 Press ◀ one or more times to go back to the previous menu.

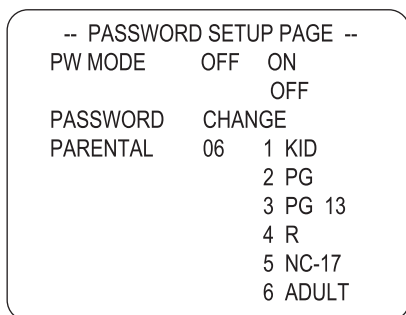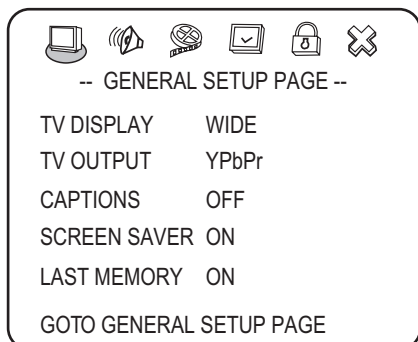**6** To close the menu, press ◀ to highlight the **Exit** icon, then press **ENTER**.

Maintaining your TV
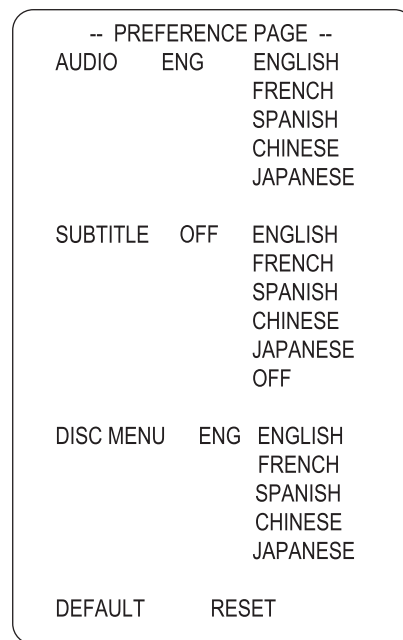
Cleaning the cabinet

Wipe the front panel and other exterior surfaces of your TV with a soft cloth lightly dampened with lukewarm water. Never use a solvent or alcohol to clean your TV. Do not spray insecticide near your TV. Such chemicals may cause damage and discoloration to the exposed surfaces.

Care and handling of discs

Handling discs

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints do not get on the surface. Never stick paper or tape on the disc.
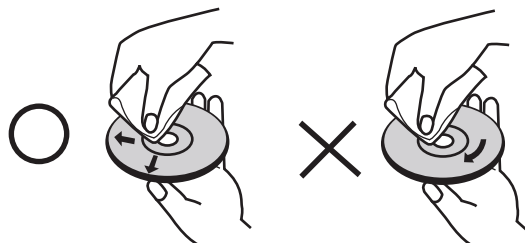
Storing discs

After playing, store the disc in its case. Do not expose the disc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

Cleaning discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.

Do not use strong solvents such as alcohol, benzine, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

> **Note**
> Never operate this product immediately after moving it from a cold location to a warm location. Leave it for two or three hours without operating it. If you use this product in such a situation, it may damage tapes, discs, or internal parts.

Troubleshooting

TV

Problem	Solution
No picture or sound	• Check all cable connections. • Make sure that your TV is turned on.
Picture is OK, but no sound	Check the volume level and mute setting.
Sound is OK, but no color	• Check the color control and adjust it. • Check the program's color features because it may be a black and white movie.

Problem	Solution
The picture has overlapped images	Make sure that the antenna is installed correctly. If not, adjust the antenna toward the broadcasting station.
Picture has snow	• Check the antenna and its connection. If there are problems, correct them. If all connections are tight, the problem may be with a faulty antenna or cable. • Check car traffic or neon signs that may disrupt the image.
Stripes on picture	Check for interference from other electronic devices, such as radios and televisions, and keep magnetic or electronic devices away from your TV.
Bad stereo or SAP sound	A long broadcast distance, or interference from radio waves, can cause bad sound reception. If so, change the mode to Mono.
Remote control does not work	Remove obstacles between the remote control and the player. Point the remote control at your TV's IR sensor. Install fresh batteries.
"Unsupported" appears onthe screen	Check the resolution and frequency of your computer, and adjust it to the optimum resolution for this TV: 1440×900 at 60Hz.
"No Signal" appears on the screen	Make sure that the cable is firmly connected to the computer and TV.
Image is not clear	Adjust the phase control.
Image is not centered	Adjust the horizontal control.

DVD

Problem	Solution
No sound	• Make sure that your TV or amplifier is working correctly. • Make sure that the amplifier is set to receive DVD signal output.
No image	• Make sure that your TV is working correctly. • Make sure the color system is set correctly.
Bad sound quality	• Make sure that the audio output mode is set correctly. • Make sure that the audio connection between your TV and amplifier (if used) is secure.
Disc cannot be played	• Make sure that the disc is inserted with the label facing forward. • Clean the disc. • Moisture has condensed in the player. Remove the disc and leave the player on for about an hour to dry out.
The player doesn't operate normally	Disconnect the power plug, then reconnect it.
Remote control does not work	• Remove obstacles between the remote control and the player. • Point the remote control at your TV's IR sensor. • Install fresh batteries.

Specifications

Model		N2201w
LCD	Type	22" TFT Active Matrix RGB 0.282 (H) x 0.282 (V) mm pixel
	Color Filter Glass surface	RGB vertical stripe Anti-Glare
Input signal	RGB	RGB analog (0.7/1.0 Vp-p, 75 ohms) Separate Sync, f_h: 30-80 kHz, f_V:50-75 Hz
	RF	TV system Antenna / NTSC+ATSC, TV cable system / CATV+Digital cable
	Video	1composite RCA, 1 S-Video, 1 YPbPr component, 1 HDMI
	Audio	1 mini-stereo, 2 pairs of RCA (L/R) stereo
Compatibility	PC	Up to 1680 x 1050 @ 60 Hz, VGA mode
Resolution	Recommended and supported (VGA mode)	1680 x 1050@ 60 Hz 1024 x 768 @ 60 Hz 832 x 624 @ 75 Hz. 800 x 600 @ 56, 60, 72 Hz 640 x 480 @ 60 Hz 720 x 400 @ 70 Hz
Speaker Output		3W x 2 @ THD=10%
Audio Output		1 Headphone jack 1 COAXIAL 1 stereo RCA jack
Video Output		1 DVD video output
Power	Voltage	100-240V AC, 50/60 Hz (auto switch)
Display area	Full Scan	473.76mm(H) x 296.1mm (V) 18.6" (H) x 11.7" (V)
Operating conditions	Temperature Humanity Altitude	32°F to + 104°F (0°C to + 40°C) 20% to 65% (no condensation) To 10,000 feet (3,000m)
Storage conditions	Temperature Humanity Altitude	-4°F to + 140°F (-20°C to + 60°C) 10% to 90% (no condensation) To 40,000 feet (12,000m)
Dimensions	Physical (W)x(H)x(D)	529.4mm x 434mm x 220mm 20.8" x 17.1" x 8.7"
Weight	Net	7.9 kg (17.4 lb)
Regulations		UL/cUL, FCC-B (Doc-B), BETS-7, ENERGY STAR®
Power consumption	On Stand by	< 120 W (blue LED) < 1 W (red LED)
Warning: Do not set the graphics card in your computer to exceed these refresh rates; doing so may result in permanent damage to the LCD TV.		

Note: Product Specifications are subject to change without notice.

Mounting ViewSonic LCD TV to the wall

The LCD TV can be used in a free standing position or wall-mounted. Before installing the product to the wall, please consider the following guidelines:
- Read the Important Safety Instructions, at the start of this manual.
- Do not install in a moist or wet environment. This equipment is intended for indoor use.
- Do not install near heat source, or strong magnetic fields.
- Use only ViewSonic approved wall-mounting brackets to support the LCD TV weight.
- Before attaching the wall mount plate to the back cover, ensure the product is working.
- If your LCD TV is already set up for free-standing operation, you need to first remove the stand before mounting the device to the wall.

To attach the wall-mount bracket to LCD TV safely, please use the following guidelines:
- Disconnect the power and any other cables that might hinder moving the LCD TV.
- Set the LCD TV on a table or work surface, placing the screen face down on a towel or woolen blanket to protect the screen surface from damage while installing plate.
- Through the matching screw holes in the bracket, there are 4 screws mounted on the backside of the LCD TV. Loosen all 4 screws, and keep for future use.
- Install the wall mount plate to the LCD TV using screws NO LONGER than 10mm, as longer screws found in universal (non-ViewSonic) wall mount kits may damage the power supply causing the unit to fail. The wall-mount screw type is M4 x L10.
- Mount the wall mount bracket to the wall ensuring use of proper screws to support the installation. Ensure there is at least 6cm of space surrounding any air-vents of your LCD TV to allow adequate cooling during operation.
- Hang the LCD TV wall mount plate to the wall mount bracket, completing installation. Enjoy your ViewSonic LCD TV.

Wall Mount Kit Specifications(VESA)

When attaching to other building materials, please contact your nearest dealer.
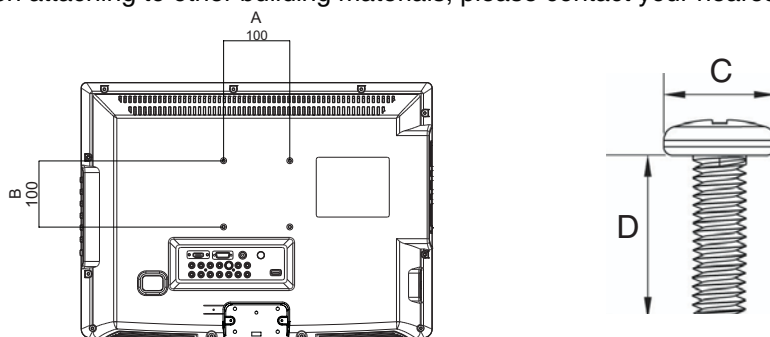
Product Family	inch	VESA Spec. (A x B)	Standard Screw(C xD)	Quantity
LCD TV	19 ~ 22	100 x 100 mm	M4 x L10	4
	26	200 x 100 mm	M4 x L10	4
	32 ~ 37	200 x 200 mm	M6 x L10	4
	42	400 x 200 mm	M6 x L10	4
	47	(200+200) x 200 mm	M6 x L10	6

- ViewSonic provides the standard dimensions for wall mount kits as shown in the table above.
- When purchasing our wall mount kit, a detailed install manual and all parts necessary for assembly are provided.
- Do not use the screws that longer than the standard dimension, as they may cause damage to the inside of the TV set.

⚠ Caution

Please use the following ViewSonic TVs only with the following wall-mount kit.

	ViewSonic TV Model No.
	N2201w
ViewSonic Wall-Mount kit model	WMK-10

Use with other Wall-Mount kit may cause instability and possibly result in injury.
To find the perfect mount for N2201w, please browse www.viewsonic.com or call our service team:
US 1-800-688-6688, Canada 1-866-463-4775.

Limited Warranty
VIEWSONIC® LCD TV

What the warranty covers:
ViewSonic warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will at its sole option repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

How long the warranty is effective:
ViewSonic LCD TV are warranted for one (1) year for all parts excluding the light source and one (1) year for labor from the date of the first customer purchase.

Who the warranty protects:
This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:
1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
   a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
   b. Repair or attempted repair by anyone not authorized by ViewSonic.
   c. Any damage of the product due to shipment.
   d. Removal or installation of the product.
   e. Causes external to the product, such as electric power fluctuations or failure.
   f. Use of supplies or parts not meeting ViewSonic's specifications.
   g. Normal wear and tear.
   h. Any other cause which does not relate to a product defect.
3. Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.
4. Removal, installation, and set-up service charges.
5. When you mount it on the wall, the following must be noticed:
   a. The accessories attached with this product are applicable for this product only.
   b. When the product is mounted on the wall, holes and fixed screws will remain in the wall body.
   c. Wall face may discolor when this product has been mounted on the wall for a long time.

How to get service:
1. For information about receiving service under warranty, contact ViewSonic Customer Support. You will need to provide your product's serial number.
2. To obtain warranted service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product freight prepaid in the original container to an authorized ViewSonic service center or ViewSonic.
4. For additional information or the name of the nearest ViewSonic service center, contact ViewSonic.

Limitation of implied warranties:
There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:
ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:
1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.

Effect of state law:
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Sales outside the U.S.A. and Canada:
For warranty information and service on ViewSonic products sold out side of the U.S.A. and Canada, contact ViewSonic or your local ViewSonic dealer.
The warranty period for this product in mainland China (Hong Kong, Macao and Taiwan Excluded) is subject to the terms and conditions of the Maintenance Guarantee Card.
For users in Europe and Russia, full details of warranty provided can be found in www.viewsoniceurope.com under Support/Warranty Information.

Mexico Limited Warranty

VIEWSONIC® LCD TV

What the warranty covers:
ViewSonic warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components & accessories.

How long the warranty is effective:
ViewSonic LCD TVs are warranted for 1 year for all parts excluding the light source and 1 year for labor from the date of the first customer purchase.

Who the warranty protects:
This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:
1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
   a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, unauthorized attempted repair, or failure to follow instructions supplied with the product.
   b. Any damage of the product due to shipment.
   c. Causes external to the product, such as electrical power fluctuations or failure.
   d. Use of supplies or parts not meeting ViewSonic's specifications.
   e. Normal wear and tear.
   f. Any other cause which does not relate to a product defect.
3. Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.
4. Removal, installation, insurance, and set-up service charges.

How to get service:
For information about receiving service under warranty, contact ViewSonic Customer Support (Please refer to the attached Customer Support page). You will need to provide your product's serial number, so please record the product information in the space provided below on your purchase for your future use. Please retain your receipt of proof of purchase to support your warranty claim.

For Your Records
Product Name: _____   Model Number: _____
Document Number: _____   Serial Number: _____
Purchase Date: _____   Extended Warranty Purchase? _____(Y/N)
                                                 If so, what date does warranty expire? _____

1. To obtain warranty service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
2. Take or ship the product in the original container packaging to an authorized ViewSonic service center.
3. Round trip transportation costs for in-warranty products will be paid by ViewSonic.

Limitation of implied warranties:
There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:
ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:
1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.
4. Repair or attempted repair by anyone not authorized by ViewSonic.