

BenQ
DV3250
LCD Display
User's Manual

Welcome

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iii Important Safety Instructions

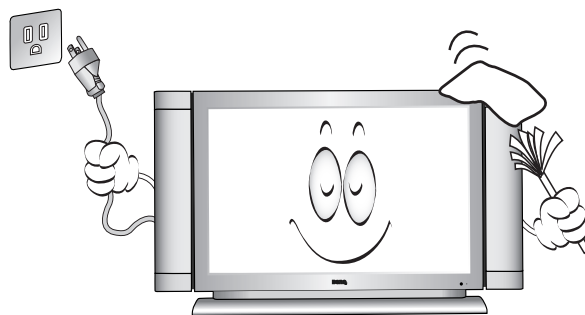
Electrical energy can perform many useful functions, but it can also cause personal injury and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety, however IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARD. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. Proper care will also prolong the service life of your BenQ display. Just follow these simple instructions before using your display

1. **Read instructions** - All operating instructions must be read and understood before the product is operated.
2. **Retain instructions** - These safety and operating instructions must be kept in a safe place for future reference.
3. **Observe warnings** - All warnings on the product and in the instructions must be observed closely.
4. **Follow instructions** - All operating instructions must be followed.
5. **Water and moisture** - Do not use this product near water - for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like. Do not use immediately after moving from a low temperature to a high temperature environment, as this causes condensation, which may result in fire, electric shock, or other hazards.

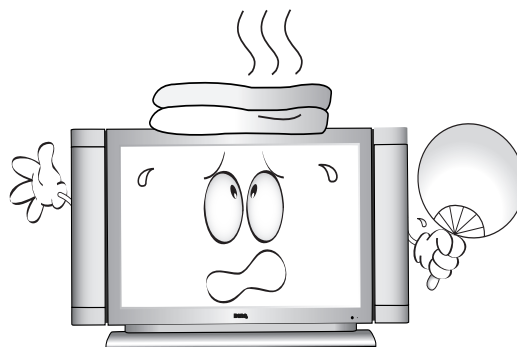


- 6. Cleaning** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

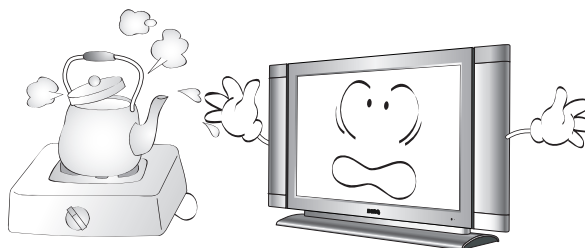
Periodically clean the liquid crystal panel of the display to ensure a clear screen and prolong the service life of the panel. Use a clean, soft and cotton-free dry cloth to dip into the specific cleaner for the liquid crystal panel. Quickly wipe over the whole panel and use another cloth to clean the panel.



- 7. Ventilation** - The vents and other openings in the cabinet are designed to let hot air escape from the display. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the display on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This display is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.



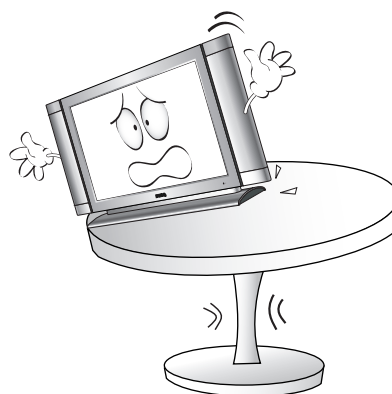
- 8. Heat sources** - Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).



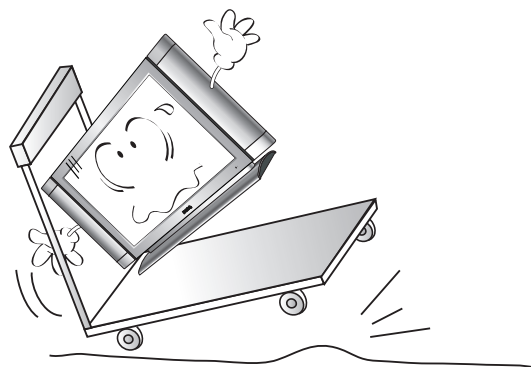
- 9. Power cord protection** - Power-supply cords should be routed so that they are not likely to be walked on or bitten by small animals. Pay particular attention to cords at doors, plugs, receptacles, and the point where they exit from the product.
- 10. Attachments** - Do not use attachments not recommended by the manufacturer. Use of improper attachments can result in accidents.
- 11. Accessories** - When the product is used on a trolley, care should be taken to avoid quick stops, excessive force, and uneven surfaces that may cause the product and trolley to overturn, damaging equipment or causing possible injury to the operator. Do not place this product on an unstable trolley, stand, pedestal, bracket, or table. The product may fall, causing serious injury to a child or adult and serious damage to the product. The product should be mounted according to the manufacturer's instructions, and use only with a trolley, stand, pedestal, bracket, or table recommended by the manufacturer.
- 12. Servicing** - Do not attempt to service the product yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request a qualified service person to perform servicing.
- 13. Replacement parts** - In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.
- 14. Overloading** - Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.

- 15. Entering of objects and liquids** - Never poke an object into the product through vents or openings. High voltage flows in the product, and inserting an object can cause electric shock and/or short circuit internal parts. For the same reason, do not spill water or liquid on the product.
- 16. Damage requiring service** - If any of the following conditions occurs, unplug the power cord from the AC outlet, and request a qualified service person to perform repairs.
- When the power cord or plug is damaged.
 - When a liquid is spilled on the product or when objects have fallen into the product.
 - When the product has been exposed to rain or water.
 - When the product does not operate properly as described in the operating instructions.
 - Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.
 - If the product has been dropped or the cabinet has been damaged in any way.
 - When the product displays an abnormal condition or exhibits a distinct change in performance. Any noticeable abnormality in the product indicates that the product needs servicing.
- 17. Safety checks** - Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.
- 18. Wall mounting** - When mounting the product on a wall, be sure to install the product according to the method recommended by the manufacturer using only the manufacturers mounting hardware.

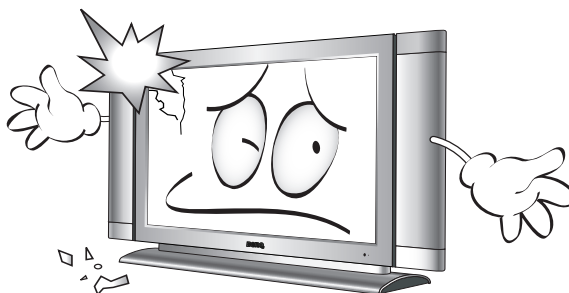
- 19. Stand** - Do not place the product on an unstable trolley, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product.



- 20. Careful move** - When relocating the product placed on a trolley, it must be moved with the utmost care. Sudden stops, excessive force and uneven floor surfaces can cause the product to fall from the trolley.

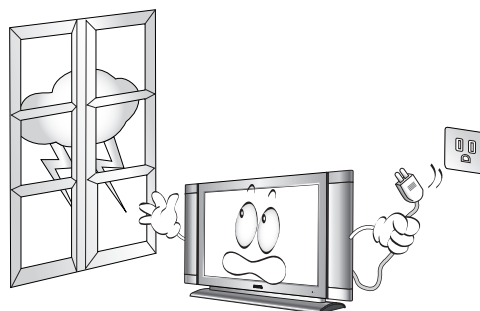


- 21. Panel protection** - The LCD panel used in this product is made of glass. Therefore, it can break when the display is dropped or hit by other objects. Beware of injuries in the event of the LCD glass screen breaking.

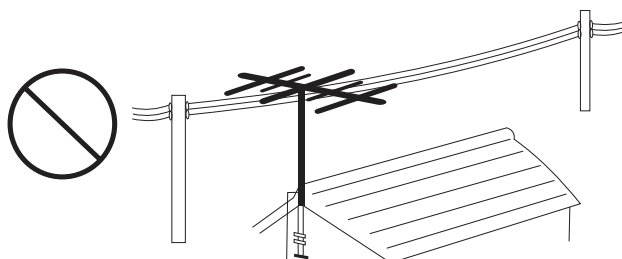


- 22. Pixel defect** - The LCD panel is a high technology product, giving you finely detailed pictures. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product.
- 23. Installation of an external antenna** - If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

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



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

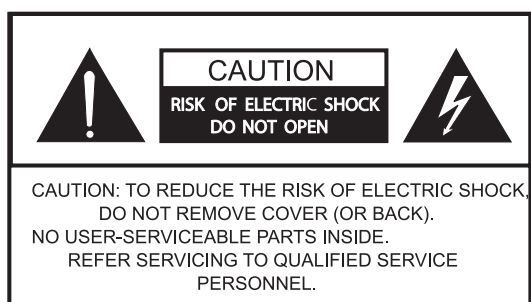


Important Information

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DONOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

WARNING: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment. (U.S.A. ONLY)

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.



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

The lightning flash with arrowhead symbol within a triangle, alerts the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may constitute a risk of electric shock.



<Memo>



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1 Introduction

Thank you for purchasing the BenQ DV3250 LCD Display. Your DV3250 will bring you years of high-quality viewing enjoyment. It is also extremely easy to operate, and provides exceptionally high image quality.

The DV3250 is also extremely versatile. You can install it on the wall (optional wall-mounting kit is required) or set it on a table, and it can be used under any type of illumination.

This manual will explain the operation of the DV3250, including its functions and features and other important information. Before installing or operating your LCD display, please take the time to thoroughly read this manual, particularly the sections on safety.

Functions and Features

The DV3250 has many useful functions and features, including:

- 1366 x 768 image resolution
- 500 nits brightness
- 800:1 contrast ratio
- Compatible with all digital television (DTV) formats, including 1080i, 720p, 576p, 480p
- 3:2/2:2 Pull Down Recovery
- Super-adaptive 3D comb filter
- De-Interlacing
- Multiple picture modes
- Picture In Picture and Picture By Picture display functions
- SRS TruSurround XT Home Theater Surround sound experience
- Graphic OSD
- Shortcut buttons:
 1. Freeze frame
 2. Stereo / MTS Television Sound
 3. Sleep timer
 4. Backlight adjustment
 5. PC/DVI-D Input Signal Auto Calibration
 6. Aspect Ratio Adjustment
 7. Favorite channels

2 Package Contents

Please ensure that the following items are included with your DV3250 LCD Display. If any item is missing or damaged, contact an authorized dealer immediately.



DV3250 LCD Display (x1)



Power cord (x1)



User's manual (x1)



Component video cable (x1)



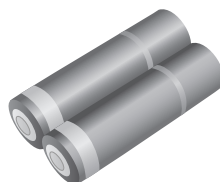
S-Video cable (x1)



Composite video cable (x1)



Remote control (x1)



AAA batteries (x2)

 **Actual number and type of cables may vary with the location of purchase.**

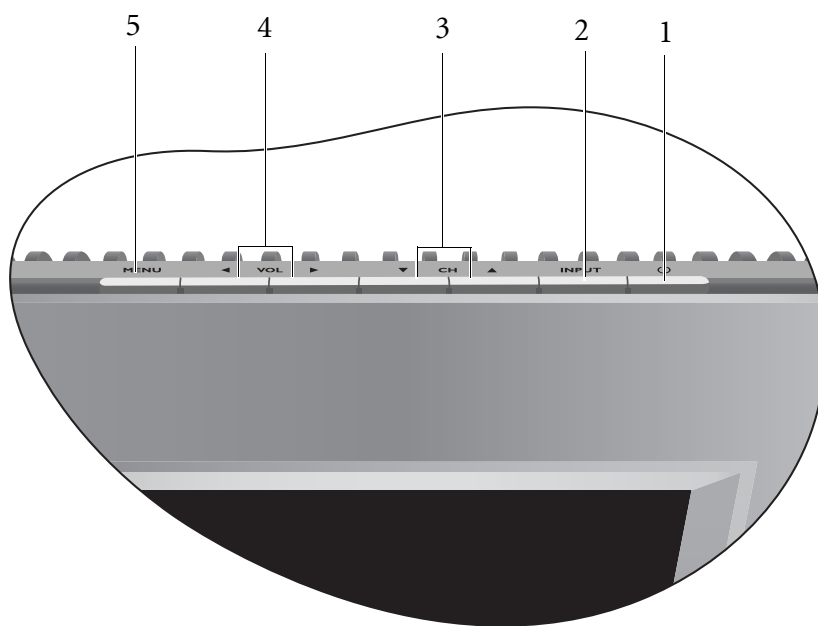
3 Getting Started with Your Display

Main Unit (Front View)



No.	Name	Description
1	Power indicator	<ul style="list-style-type: none"> • Lights up in green when the display is powered on. • Lights up in red when the display is in standby mode.
2	Remote control sensor window	Receives the signal from the remote control. Do not put any objects in front of the window in order not to hinder the reception of signals.

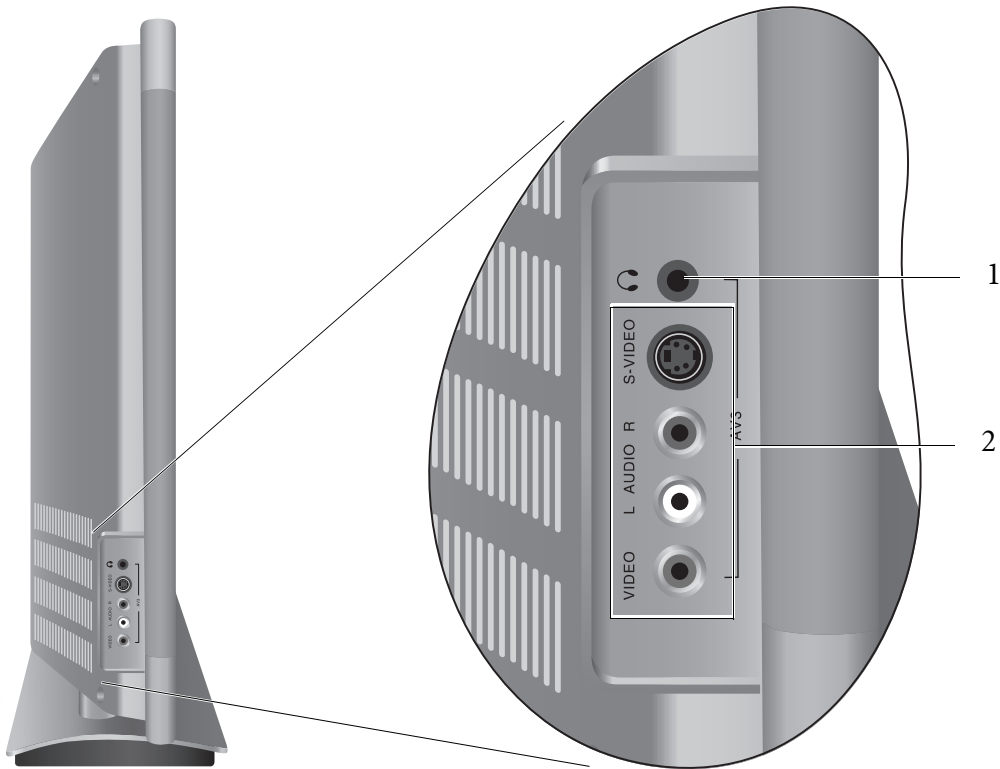
Control Panel



No.	Name	Description
1	Power	<ul style="list-style-type: none"> • Press this button to turn the display on when it is in standby mode. • Press this button once more to turn the display off by placing it into standby mode.

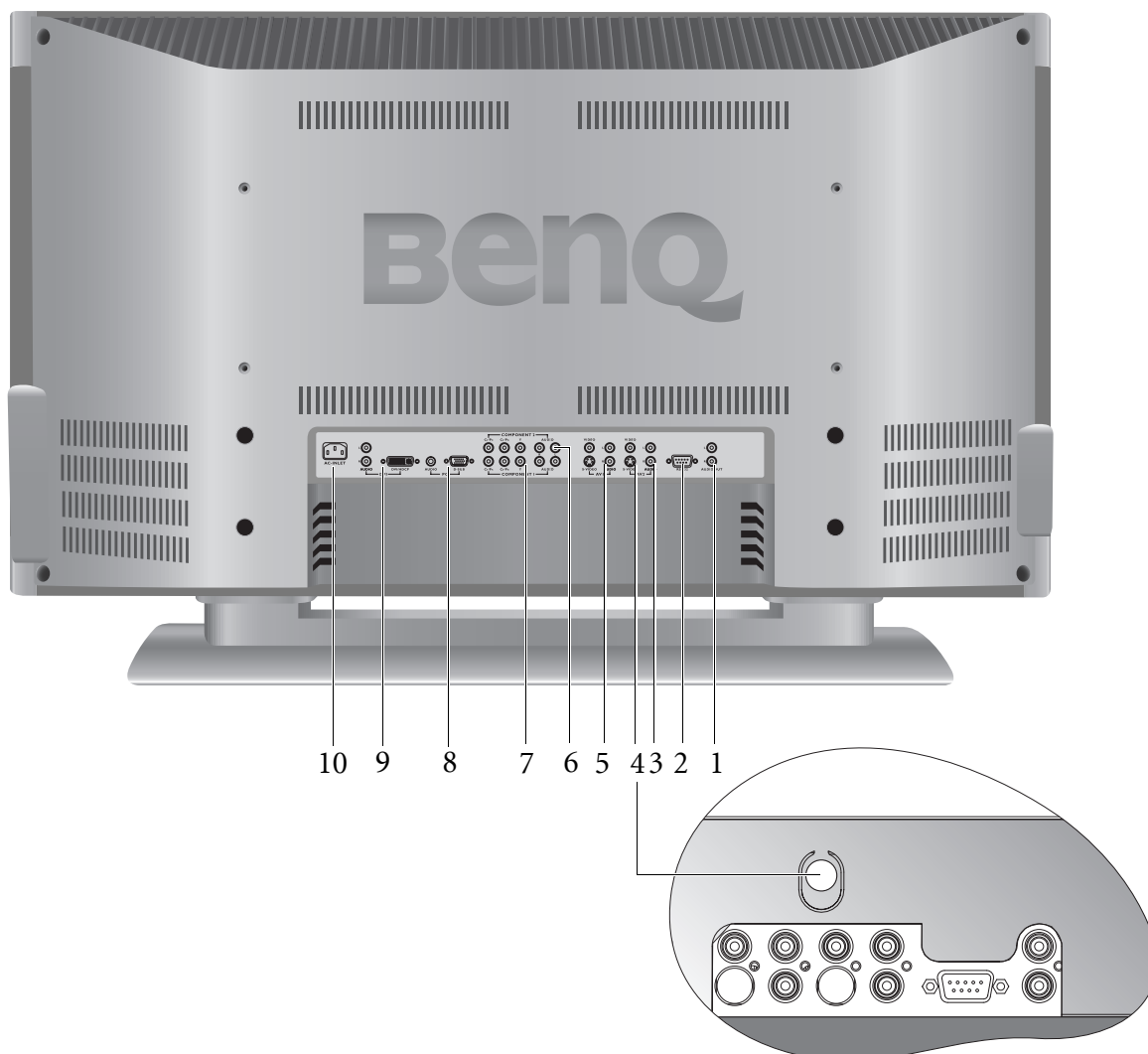
2	INPUT	<ul style="list-style-type: none"> • This button allows you to switch among signal sources. • When the OSD (On-Screen Display) menu is on, press this button to enter the submenu.
3	CH▼/▲ button	<ul style="list-style-type: none"> • Press these two buttons to sequentially select channels. • When the OSD menu is on, press this button to move the selection focus up and down or change settings.
4	VOL◀/▶ button	<ul style="list-style-type: none"> • Press VOL ▶ to increase the volume, or VOL ◀ to decrease it. • When the OSD menu is on, press this button to move the selection focus left and right or change settings.
5	MENU button	<ul style="list-style-type: none"> • Press this button to display the OSD menu. • When the OSD menu is on, press this button to exit the menu.

Terminal Panel



No.	Name	Description
1	Headset socket	This socket is for connecting an external headset.
2	AV3	<ul style="list-style-type: none"> • VIDEO (Composite (AV) signal input, RCA connector): Connect the Composite video output of your AV device here. • AUDIO(Audio input, L/R): Connect the audio output of your AV device here. This input is used common to both AV and S-VIDEO input. • S-VIDEO (S-VIDEO input): Connect the S-VIDEO output of your AV device here.

Main Unit (Rear View)



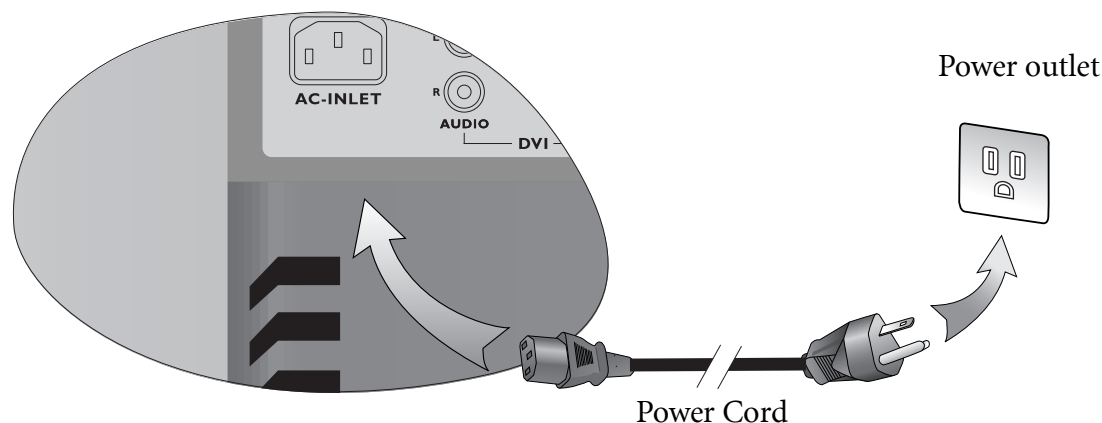
No.	Name	Description
1	AUDIO OUT (L/R)	Connect the audio input of an amplifier or here.
2	RS232	This terminal is for service purpose only.
3	AV2	<ul style="list-style-type: none"> • VIDEO (Composite (AV) signal input, RCA connector): Connect the Composite video output of your AV device here. • AUDIO (Audio input, L/R): Connect the audio output of your AV device here. This input is used common to both AV and S-VIDEO input. • S-VIDEO (S-VIDEO input): Connect the S-VIDEO output of your AV device here.
4	TV/CATV Antenna	Connect your antenna to this input.
5	AV1	<ul style="list-style-type: none"> • VIDEO (Composite (AV) signal input, RCA connector): Connect the Composite video output of your AV device here. • AUDIO (Audio input, L/R): Connect the audio output of your AV device here. This input is used common to both AV and S-VIDEO input. • S-VIDEO (S-VIDEO input): Connect the S-VIDEO output of your AV device here.

6	COMPONENT 2	<ul style="list-style-type: none"> • Y C_B/P_B C_R/P_R (Y C_B/P_B C_R/P_R input): Connect the component image output of your AV devices or HDTV decoder here. The Y (green) connector can also be used as a second composite signal input. • AUDIO (Audio input, L/R): Connect the audio output of your AV device here.
7	COMPONENT 1	<ul style="list-style-type: none"> • Y C_B/P_B C_R/P_R (Y C_B/P_B C_R/P_R input): Connect the component image output of your AV devices or HDTV decoder here. The Y (green) connector can also be used as a second composite signal input. • AUDIO (Audio input, L/R): Connect the audio output of your AV device here.
8	PC	<ul style="list-style-type: none"> • PC D-SUB (15-pin D-SUB computer signal input): For connecting to PC's analog video output. • PC AUDIO: For connecting to PC's audio output.
9	DVI/HDCP (Digital Video Interface)	<ul style="list-style-type: none"> • DVI/HDCP (Digital Video Input): For connecting to PC's digital video output. • DVI AUDIO (Audio input, L/R): For connecting to DVI's digital audio output.
10	AC INLET	Connect the power cord to this input.

4 Setting up Your Display

Connecting the Power Cord

1. Connect the female end of the AC power cord to the AC input on the display.
2. As shown in the diagram, connect the male end to a wall power outlet.



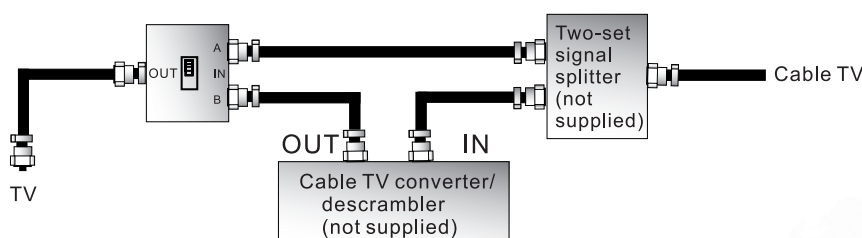
- The figure above shows the power cord connection. The shape of the physical power cord plug and socket will differ depending on the location where you purchased the display.
- This product must be operated only from the type of power source indicated on the marking label (AC 100~240V 50/60 Hz).
- If the display will not be used for a long period of time, it should be unplugged from the wall outlet.

Connecting the Antenna

Connecting CATV

Your DV3250 LCD Display has an internal 75 ohm coaxial cable connector, so antennal hook-up is very easy. When connecting a 75-ohm coaxial cable, secure it firmly to the antenna connector. Some cable TV companies provide "pay per view" programming. Since the signal for these paid channels is encoded, most cable TV companies provide their own tuners/ decoders. You must install a tuner/ decoder to be able to view locked encoded programming. If you require special instructions on how to install cable service, please contact your cable TV provider. The tuner/ decoder provided by your cable TV company can be used according to the following instructions.

You must have an RF switch with two inputs (A and B) (not supplied).



The "A" input on the RF switch (not supplied) allows you to use the display's CH ▼ / ▲ buttons to view unlocked channels. The "B" input on the RF switch (not supplied) allows you to use the channel selection button on your cable box to view locked encoded programming via the tuner/ decoder.

Antenna

The antenna equipment has far more effect on reception for color TVs than on black and white models. We suggest you use a good-quality outdoor antenna. Following are simple explanations for the connection of various types of antennas.

1. Generally speaking, 75 ohm systems have a round cable with an F-shaped connector which requires no tools. Attach the cable directly to the input (not included).
2. 300 ohm systems have a flat "dual lead" type cable. A 300-75 ohm transformer may be used to attach the antenna to a 75 ohm input (not included).



Installation of an Outdoor Antenna

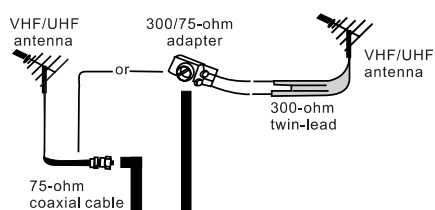
For best reception it is recommended that an Outdoor antenna be used.

A: Use a combination VHF/UHF outdoor antenna.

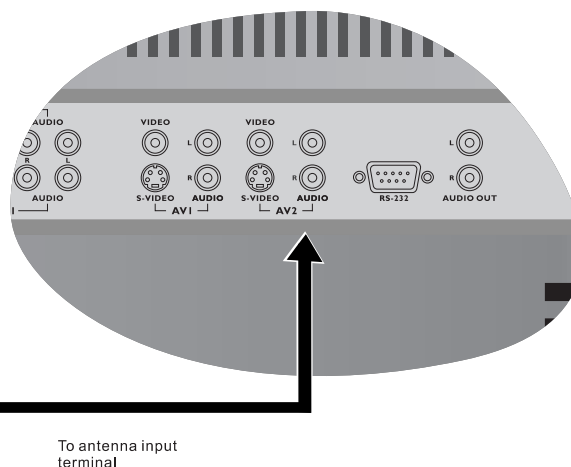
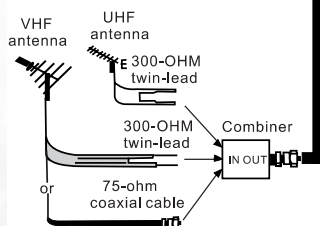
B: Use separate VHF and/or UHF outdoor antennas.

Connect the lead from the outdoor antenna to the antenna input on the rear of the display.

A. Combination VHF/UHF Antenna



B. Separate VHF and/or UHF Antennas



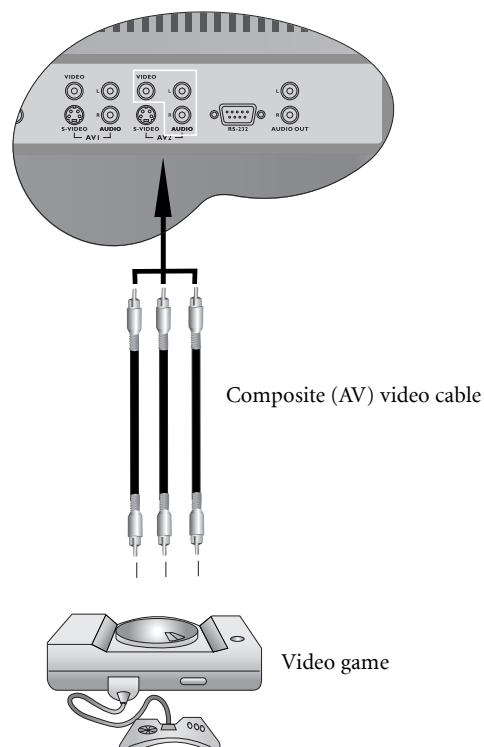
Connecting Audio and Video Signal Sources

- Before connecting any component, please familiarise yourself with the location and type of each input.
- If incorrect connections are made, picture or color quality may be adversely affected. Please ensure that all connectors are firmly seated.
- Before connecting external devices, turn off the power to the display for safety.

Connecting Composite (AV) Video Signal

Connect the Composite (AV) output of your AV equipment to the Composite (AV) signal terminal on the display using a Composite (AV) video cable (RCA connector) as illustrated.

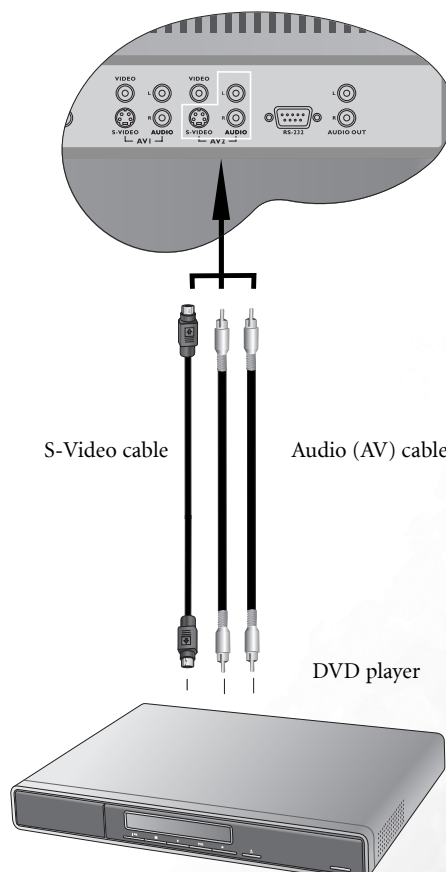
☞ **Composite video input is the most commonly used signal input. However, this type of input also provides a less optimal image quality. Many video sources can only output Composite video signals, for example, VCRs and camcorders. Other video sources, such as laser disc players, actually produce slightly better results when using Composite video.**



Connecting S-Video Signals

1. Connect the S-Video output of your AV equipment to the display's S-VIDEO terminal using an S-Video cable. Pay attention to the direction of the connector on the S-Video cable when inserting.
2. Connect the audio output of your AV equipment to the display's S-VIDEO AUDIO L/R input terminals using the AV cable or equivalent.

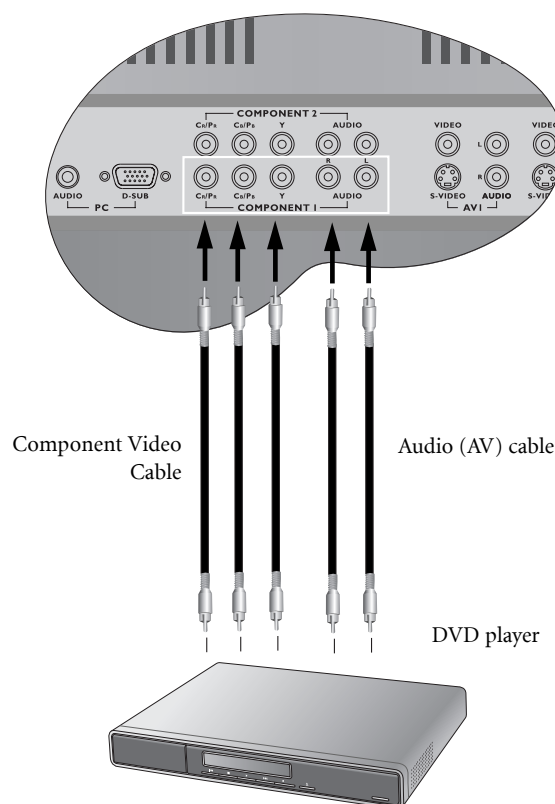
☞ **An S-video signal provides a higher quality image to that of Composite video. It is recommended to use this input whenever possible. If your AV equipment provides a component video output (YPbPr or YCbCr), this should be used in preference to either composite or S-video signals.**



Connecting Component Video Signals

1. Connect the Component video output of your AV equipment to the display's COMPONENT Y CB/PB CR/PR terminals using a Component video cable.
2. Connect the audio output of your AV equipment to the display's COMPONENT AUDIO L/R input terminals using the AV cable or equivalent.

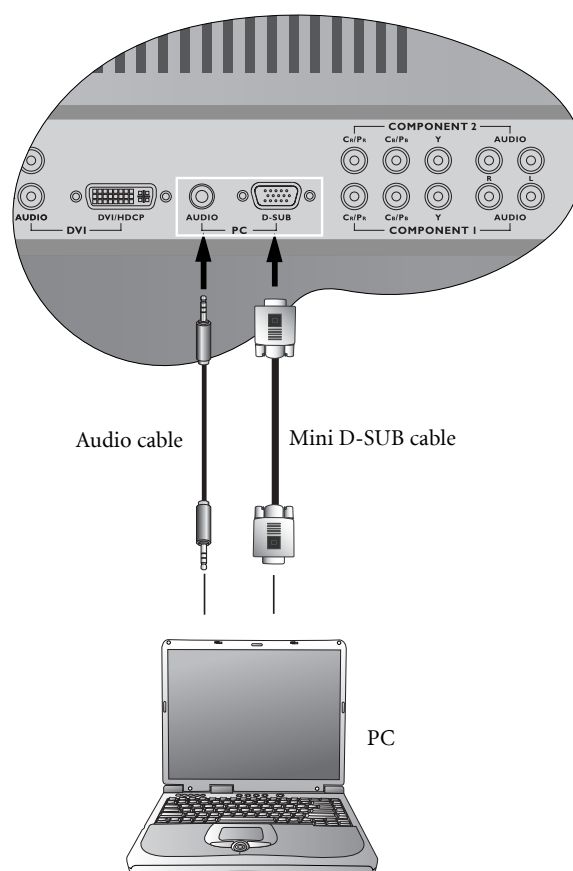
- ☞ 1. Of the currently available video signal types, Component video input offers the best quality. Component video output is available on progressive scan DVD players and Digital television decoders. The image quality with this type of input is superior to that obtained with S-video. All High Definition Television signals must go through this input.
2. DV3250 supports 480p, 720p, 576p and 1080i HDTV signals provided by high definition AV equipment such as a HDTV decoder.
 3. Ensure the connector colors match, failure to connect the colors of the cables to the corresponding colored terminals will result in an incorrectly color image or badly distorted image.



Connecting RGB Signals (Mini D-SUB)

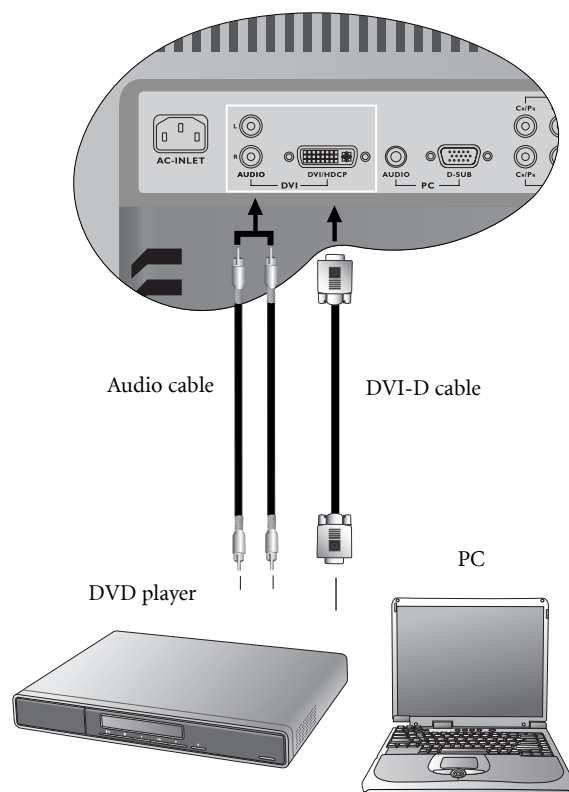
1. Connect the analog video output of your PC to the PC D-SUB terminal on the display using a Mini D-SUB 15-pin cable.
2. Connect the audio output of your PC to the display's PC AUDIO input terminal using an appropriate cable.

- ☞ 1. If the signal resolution is greater than the default resolution, the screen may be unable to display image details clearly.
2. You will need a converter to connect a Macintosh computer video to the display using a PC D-SUB 15-pin cable.
 3. Certain PC models cannot be connected to the display.
 4. The computer in the illustration is shown only for reference; your equipment may vary.
 5. Additional equipment shown in the illustration is not provided.
 6. Do not set the computer's horizontal and vertical scanning frequencies less than or greater than the frequency range of the display. (refer to "Supported Modes" on page 42)
 7. If you require more information on how to connect your equipment, please refer to the manual for the piece of equipment you wish to attach.



Connecting DVI/HDCP Signals

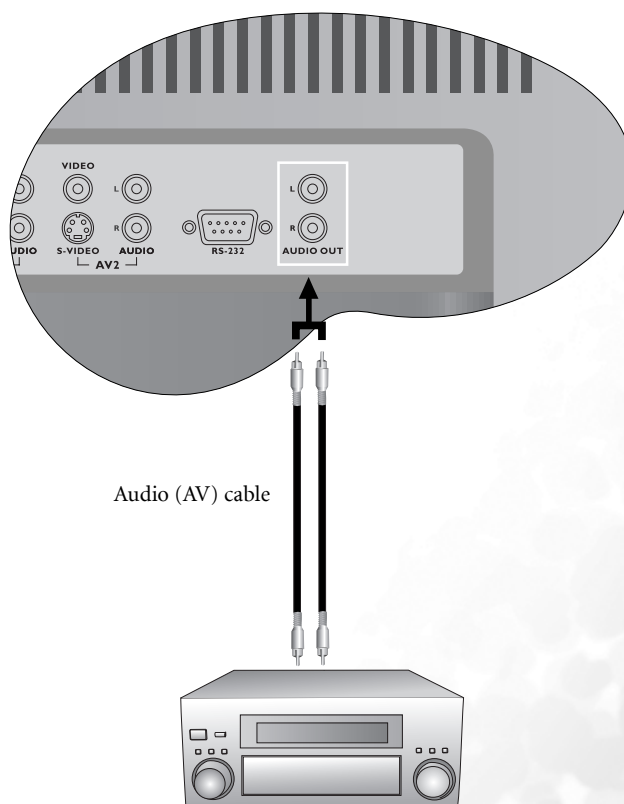
1. Connect the digital video output of your PC to the DVI-HDCP terminal on the display using a DVI-D cable.
2. Connect the audio output of your PC to the display's DVI AUDIO L/R input terminals using the AV cable or equivalent.



Connecting Audio Output Signals

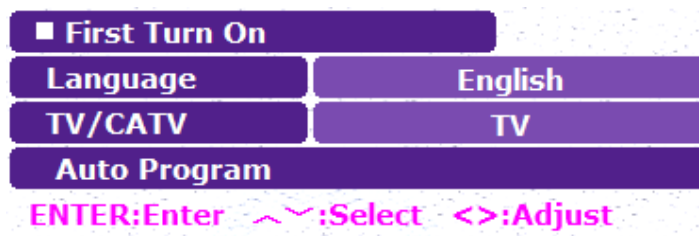
DV3250 provides extra audio output terminals for delivering audio signal to an amplifier or other audio devices.

Connect the AUDIO OUT L/R terminals on the display to the signal input terminals of an amplifier or other audio devices using the AV cable or equivalent.



Initial Setup

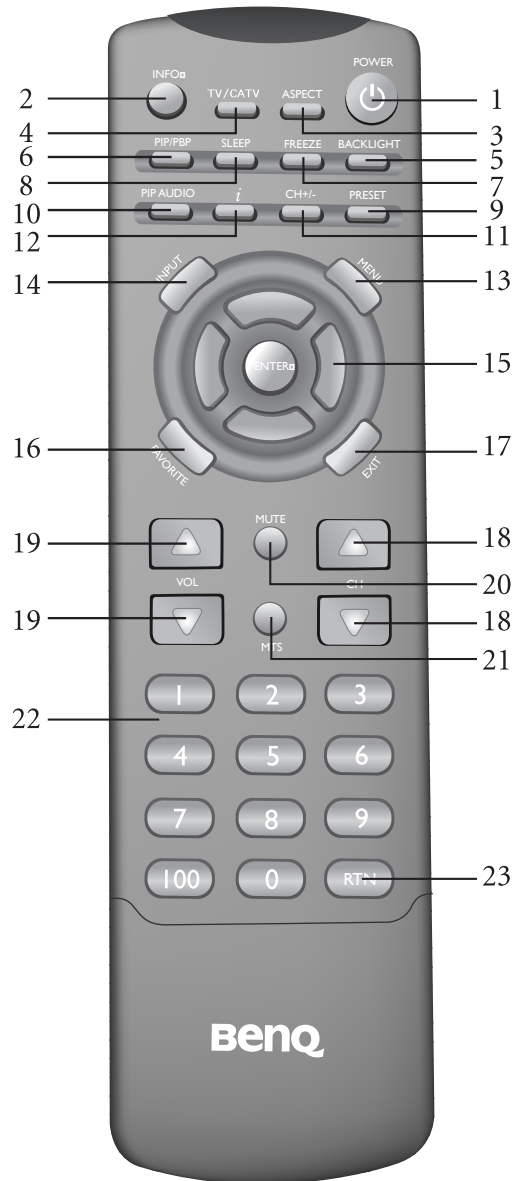
1. Check to make sure that all connections to your display are correct and firm.
2. Press the **Power** button on the display. The display will turn on. The following First Turn On menu will appear.



3. Press the **VOL** ◀ or **VOL** ▶ buttons on the display to select a screen display language, and then press the **CH** ▼ button on the display to go to the next step.
4. Press the **VOL** ◀ or **VOL** ▶ buttons on the display to select the type of TV signal you have connected to the display (TV or CATV).
5. Press the **CH** ▼ button on the display to select **Auto Program** and then press the **INPUT** button. The display will start searching for available channels and store them in the memory. This may take several minutes, depending on the available TV channels of your local TV system.
6. Press the **MENU** button on the display to close the menus.

5 Remote Control

Below is the function description for each button on your remote control.



1. POWER

Press this button to power on the display. Press it again to put the display into standby mode.

2. INFO

Press this button to display the TV channel message and any other signal messages (including video or computer signals). Press the **EXIT** button (17) to turn the information off.

3. ASPECT

Press this button to adjust screen image aspect ratio.

4. TV/CATV

Press this button to switch between TV or cable tuner mode.

5. BACKLIGHT

Press this button to select the desired backlight level.

6. PIP/BPB

Press this button to simultaneously view signals from two different sources on the screen. You may choose picture-in-picture (PIP) mode or picture-by-picture (PBP) mode.

7. FREEZE

Press this button to freeze the screen (the signal will continue to be broadcast). Press the button again to release.

8. SLEEP

Press this button to set the automatic shut-off timer.

9. PRESET

Press this button to select a picture mode.

10. PIP AUDIO

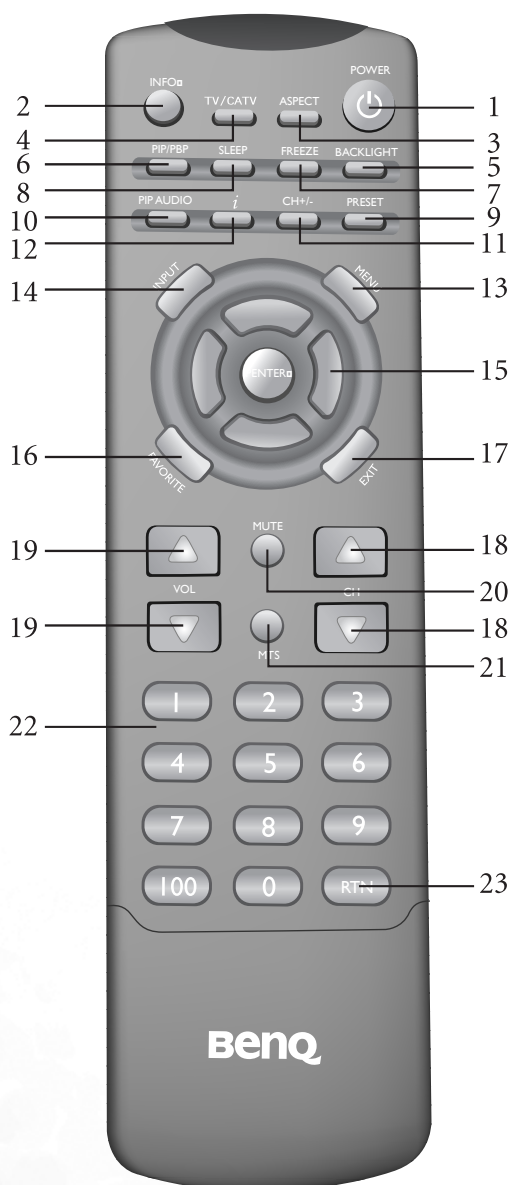
Press this button to select audio for the sub-picture/main picture or left/right picture when the display is showing the PIP or PBP screen.

11. CH +/- (add/erase)

Press this button to add the current TV channel to the sequential channel selection set. Press this button again to erase the current TV channel from the sequential channel set.

12. "i" button

Press this button to let the display automatically adjust frequency, phase and image position in PC or HDTV modes, or search for signal source and properly display the video format in the video mode.



13. MENU

Press this button to display the OSD (on-screen display) menu for adjusting the image, sound and functions. The function table allows you to use the **▶** or **◀** buttons to select items. Pressing this button again removes the OSD display.

14. INPUT

Press this button to select your desired input source.

15. ▲/▼/▶/◀ and ENTER button

- **▲ ▼**: press the **▲** or **▼** buttons to select settings.
- **▶ ◀**: press the **▶** or **◀** buttons to adjust OSD menu settings.
- Press **ENTER** to execute selections, or to enter a submenu you have selected.

16. FAVORITE

Press this button to jump to one of the favorite TV channels you have stored.

17. EXIT

When operating the on-screen display, press this button to return to the next higher menu level.

18. CH ▲/▼

Press this button to sequentially change channels.

19. VOL ▲/▼

Press these buttons to raise or lower the volume level.

20. MUTE

Press this button to mute the sound output. Press it again to restore the sound output.

21. MTS (TV Sound Selection)

Press this button to toggle between stereo and mono sound reception.

22. Direct Channel select

Press these buttons to select the channel you wish to view.

23. RTN

Press this button to toggle between the current and the previous channel you were viewing.

Using the Remote Control

When using the remote control, aim it at the remote control sensor window on the display. If there is an object between the remote control and the signal remote control sensor window on the display, the remote may not operate.

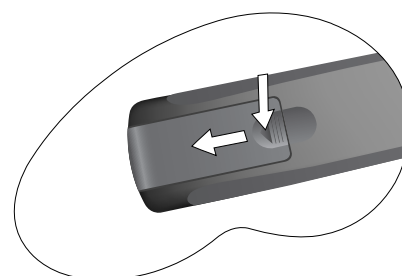
☞ **When using the remote control, please note:**

- **Do not strike or drop the remote. Do not expose the remote control to liquids and do not place it in humid environments.**
- **Do not install or place the remote control in direct sunlight. The heat may damage the remote control.**
- **If the remote control sensor window on the display is in direct sunlight or strong light, the remote control may not operate normally. In this situation, change the light source or readjust the angle of your display, or operate the remote control from a location closer to the remote control sensor window on the display.**

Batteries

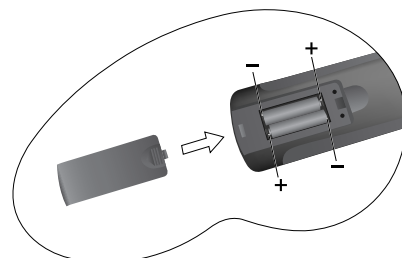
You will need to install the supplied batteries into the remote control to make it operate following the instructions below.

1. Open the lid of the remote control battery compartment (slide the lid backward while pressing down.)

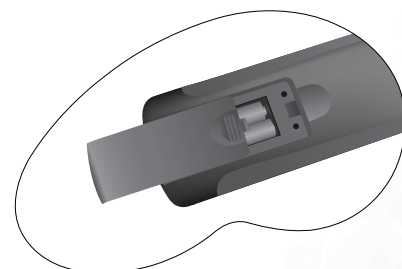


2. Insert two size-AAA batteries (included).

Ensure that the batteries are inserted with the positive and negative terminals in the correct direction corresponding to the (+) and (-) marks in the battery compartment.



3. Press down on the lid of the battery compartment and gently push it back into position until it is firmly seated.



Notes on Using Batteries

The use of the wrong type of batteries may cause chemical leaks and/or explosion. Please note the following:


- Always ensure that the batteries are inserted with the positive and negative terminals in the correct direction as shown in the battery compartment.
- Different types of batteries have different characteristics. Do not mix different types.
- Do not mix old and new batteries. Mixing old and new batteries will shorten battery life and/or cause chemical leaks from the old batteries.
- When batteries fail to function, replace them immediately.
- Chemicals which leak from batteries may cause skin irritation. If any chemical matter seeps out of the batteries, wipe it up immediately using a dry cloth.
- Due to varying storage conditions, the battery life for the batteries included with your display may be shortened. If the remote control is not used for a long period of time, remove the batteries.

6 Using the Remote Control


Power on, Power off and Standby



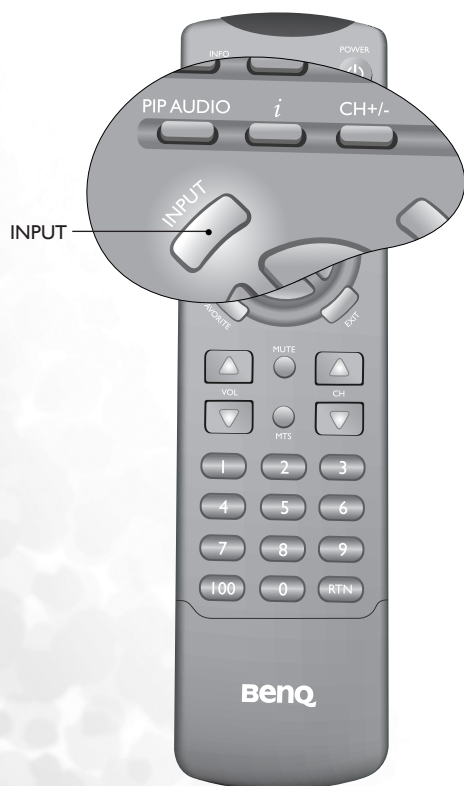
Turning on the display

1. After the power cord is plugged into a wall outlet, the display will turn on and enter standby mode automatically, and the power indicator will light up in red.
2. Press the  button on the display, or press the **POWER** button on the remote control. The display will turn on, and the power indicator will light up in green.
3. The display will automatically search for a signal. If the set is already connected to a signal source, the display will display that signal.

Turning off the display


Press the  button on the display again, or press the **POWER** button on your remote control again, and the display will go into standby mode. (The power indicator will turn red).

Switching Inputs

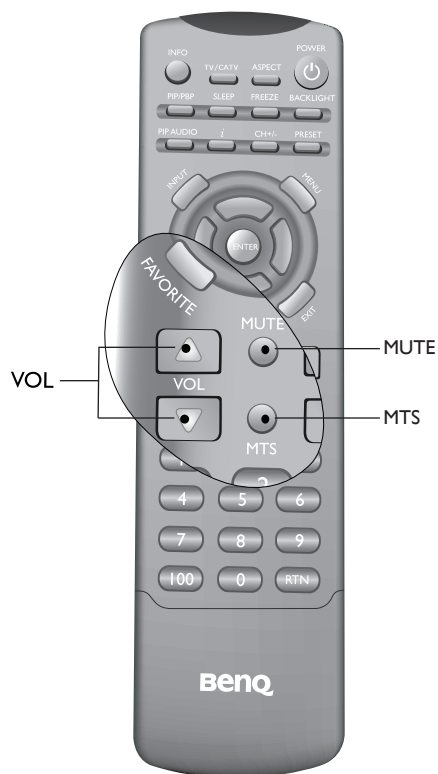


1. Turn on all connected equipment or computers.
2. Press the **INPUT** button on your display or press the **INPUT** button on your remote control to select input signal.

Press the button repeatedly until your desired input is displayed. The sequence is as follows: TV -> AV1 -> AV1-S-> AV2 -> AV2-S-> AV3-> AV3-S-> Component 1-> Component 2-> PC-> DVI-> TV...

 **AV1-S, AV2-S or AV3-S will appear only when the S-Video input of AV-1, AV-2 or AV-3 is connected.**

Adjusting Volume



Adjusting the volume

1. Press the **VOL** ▸ button on your display or press the **VOL** ▲ button on your remote to increase volume. The volume indicator will increase in length as volume rises.
2. Press the **VOL** ◀ button on your display, or press the **VOL** ▼ button on your remote to decrease volume. The volume indicator will decrease in length as volume falls.

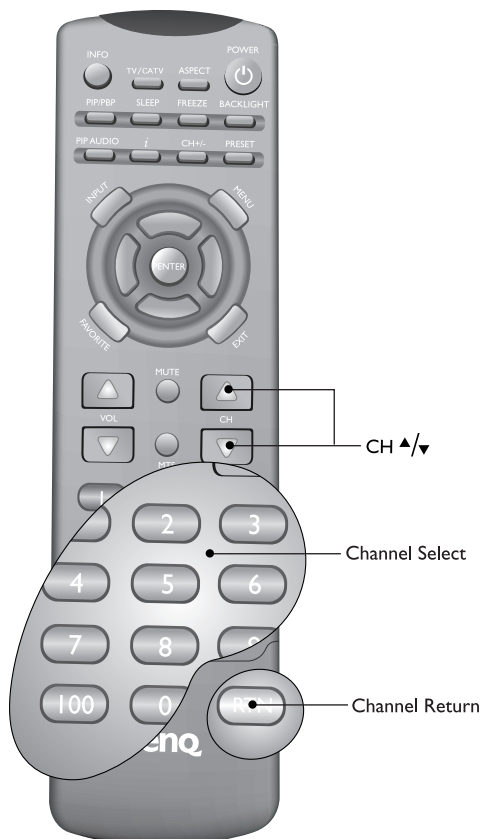
Mute setting

1. Press the **MUTE** button on your remote control to temporarily cut off the sound.
2. Press the **MUTE** button once more, or press the **VOL** or **Power** button on your display or the remote control to restore the sound level.

MTS (TV Sound selection)

Press the **MTS** button on your remote control to toggle among "Stereo", "SAP (Second Audio Program)", or "Mono" reception.

Changing Channels



Using the Channel selection buttons on the Remote Control to Change Channels

- To select a single- or double-digit channel, press the corresponding channel selection buttons on the remote control. For example, to select channel 8, press the "0" and "8" channel selection buttons on the remote control.
- To select a triple-digit channel, press the **100** button on the remote control followed by the rest of the digits. For example, to select channel 102, press the **100** button, and then press the "0" and "2" buttons on the remote control.

Using the CH ▲/▼ buttons to sequentially change channels

Press the **CH** ▲ or **CH** ▼ button on the remote control, or press **CH** ▲ or **CH** ▼ on the display to sequentially select the TV channels available in your area.

Using the channel button to return to the previous channel.

To return to the previous viewed channel, press the Channel return button **RTN** on your remote control.

Selecting a Picture Mode



Depending on the types (contents) of the TV program you are watching, you can select the most appropriate picture mode to make the image more vivid and lively.

To change the picture mode, press the PRESET button on the remote control. This enables you to select from the 6 preset picture modes.

You can also set up the picture mode you desire. For more information, refer to the "Picture Mode Settings" on page 30.

Using the Freeze Function

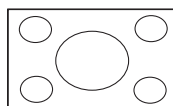


When watching a TV program, press the **FREEZE** button on the remote control to freeze the image on the screen (the signal will continue to be broadcast). Press the **FREEZE** button again to restore normal motion.

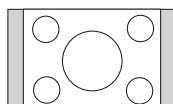
Adjusting Aspect Ratio



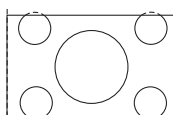
Press the **ASPECT** button on your remote control to select the image aspect ratio you prefer. Press the button several times to cycle through various ratios.



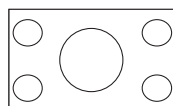
- **Full Screen** - Enlarge the standard 4:3 video signal (e.g. TV signal) to 16:9 full screen video signal. When the original input video source is 16:9 in ratio (e.g. DVD signal), no change will occur.



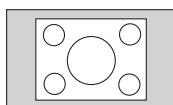
- **4:3** - Display the standard 4:3 video signal (e.g. TV signal) in the center of the screen at the ratio of 4:3. The screen does not change, but black blocks appears in the left and right sides of the screen. When the input video source is 16:9 in ratio, deformation will occur on the screen.



- **Letterbox** - Fill the entire 4:3 screen with a 4:3 video signal. The redundant part on the upper and bottom of the image will be removed and the image will extend vertically and horizontally to fill the full screen. When the input video source is 16:9 in ratio (e.g. DVD signal), no change will occur.



- **Anamorphic** - Fill the entire screen with a 4:3 video signal. Some deformations may be identified on the edge of the image. When the input video source is 16:9 in ratio (e.g. DVD signal), no change will occur.



- **Real** - Display the actual size of the video source without zooming.

Using the Picture-in-Picture (PIP)/Picture-by-Picture (PBP) Function



If your display is connected to an additional Video or PC source, pressing the **PIP/PBP** button allows you to display both images on the screen at once in PIP (Picture In Picture) or PBP (Picture By Picture) modes:

- **Full Screen:** Normal display.
- **PIP G on V:** Enter PIP mode and display graphics on video.
- **PIP V on G:** Enter PIP mode and display video on graphics.
- **PBP G by V:** Enter PBP mode and display graphics by video.
- **PBP V by G:** Enter PBP mode and display video by graphics.

☞ **V (video)**= TV, AV1, AV1-S, AV2, AV2-S, AV3, AV3-S input image. **G (Graphics)**= Component 1, Component 2, PC or DVI input image.

Selecting PIP AUDIO



If your display is connected to two different video and audio inputs, pressing the **PIP AUDIO** button on your remote allows you to select the sound from either the main or sub screen in PIP mode, or from the left or right screen in PBP mode.

Selecting Favorite Channels



1. Press the **FAVORITE** button on your remote control to jump to your preset favorite channel memory.
2. Press the **FAVORITE** button again to jump to the next favorite channel memory, and so on. You may select from up to 5 channels to set as your favorites.

☞ For more information about how to set up favorite channels, please refer to "Setting up Favorite Channels" on page 33.

Selecting TV/CATV Input



To select between the TV/CATV systems, press the **TV/CATV** button on the remote control.

Adding/Deleting Sequential Channels



The CH+/- button allows you to alter the channels appearing in the Sequential Channel change memory.

When Auto Program (see "TV Menu" on page 33) is complete, use the **CH+/-** button to remove unwanted channels that may have been detected. The CH+/- button can also be used to add additional channels to the sequential channel memory.

Using Sleep Timer



Press the **SLEEP** button on your remote control to start setting the automatic sleep timer. Press the **SLEEP** button several times to adjust the time in increments of 30 minutes, from 0 to 180 minutes.

Adjusting Backlight



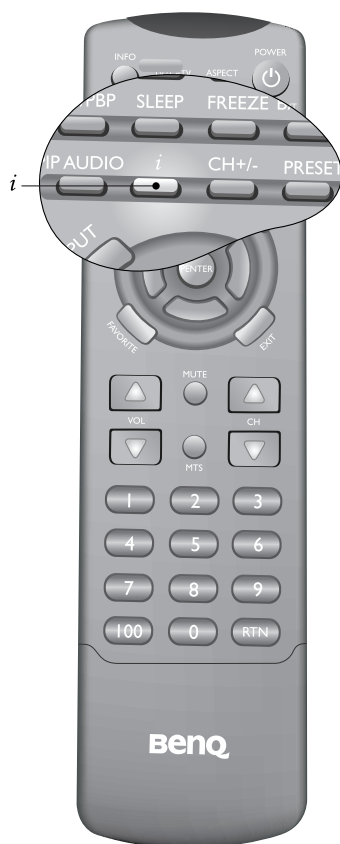
To adjust the intensity of your display's backlight, press the **BACKLIGHT** button on your remote control to select "Dark" "Normal" or "Bright".

Display Information



Press the **INFO** button on your remote control to display the signal information, including input video signal source, Video format, TV sound and current selected channel.

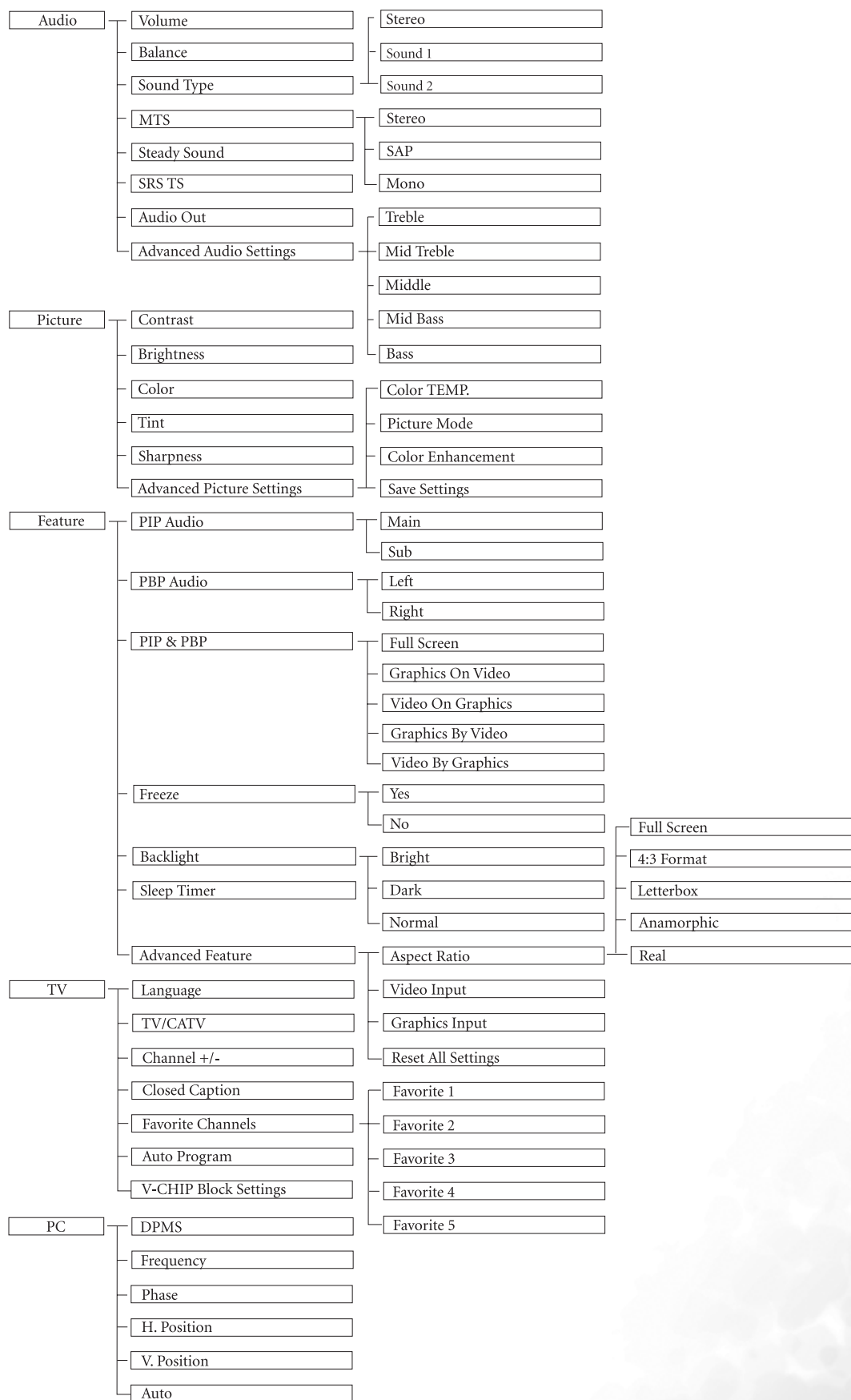
Using the Auto Function



Press the "i" button on your remote control to have your display automatically adjust the frequency, phase, horizontal and vertical positions in PC and HDTV modes.

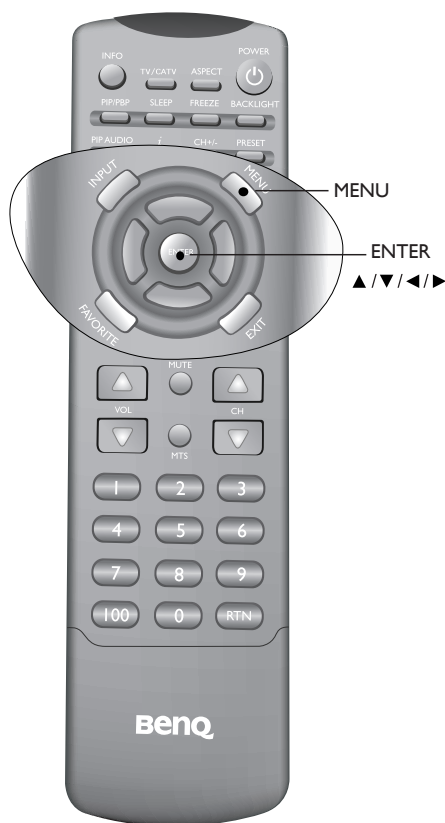
7 On-Screen Display (OSD) Menu

OSD Structure

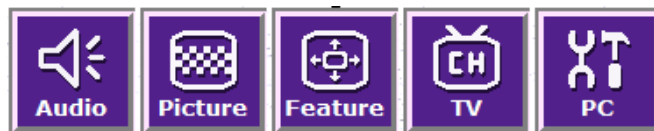


Navigating the OSD Menu

You can use the OSD menu screen to adjust all the settings on your display. Follow the steps outlined below to select the function you desire, and refer to the pages indicated for more information.



Press the **MENU** button on your remote control, or the **MENU** button on your display to bring up the following main menu on your screen:

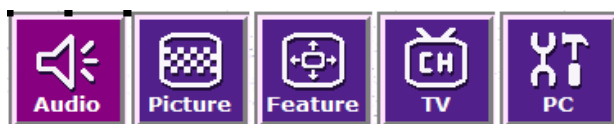


- Press the **◀**, **▶**, **▲** or **▼** buttons on the remote control, or the **CH ▲**, **CH ▼**, **VOL ▶** or **VOL ◀** buttons on the display to select items on the main menu, choose functions or change settings.
- Press the **ENTER** button on the remote control, or the **INPUT** button on the display to enter the submenu.
- Press the **EXIT** button on the remote control to return to the upper layer of menu.
- Press the **MENU** button on the remote control, or the **MENU** button on your display to exit from the main menu.

☞ **For more information about the OSD menus, please refer to the following pages:**

- "Audio Menu" on page 27
- "Picture Menu" on page 29
- "Feature Menu" on page 31
- "TV Menu" on page 33
- "PC Menu" on page 38

Audio Menu



■ Audio Menu		
Volume	<div><div></div></div>	10
Balance	<div><div></div></div>	10
Sound Type	Stereo	
MTS	Stereo	
Steady Sound	Off	
SRS TS	Off	
Audio Out	Off	
Advanced Audio Settings		

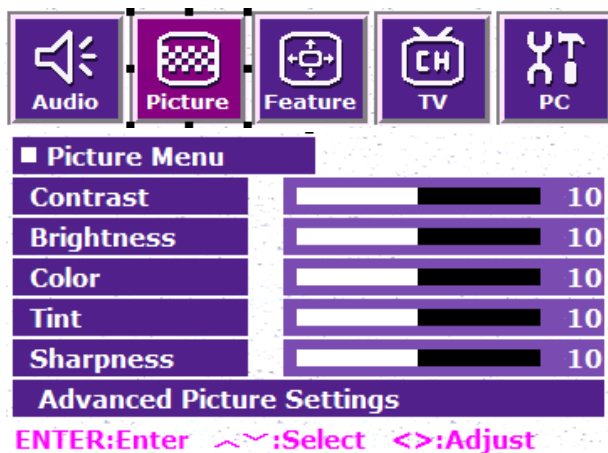
ENTER:Enter ↖:Select <>:Adjust

1. Press the **MENU** button on the remote control or the **MENU** button on the display to display the main menu.
2. Press the ◀ or ▶ buttons to select **Audio** and then press **ENTER** to enter the submenu.
3. Press the ▲ or ▼ buttons to select an item.
4. In the **Audio Menu**, use the ◀ or ▶ buttons to adjust the setting or select the options.
5. To return to the menu one level up, press the **EXIT** button on the remote control, or the **MENU** button on the display.

Item	Function	Operation	Range
Volume	Adjust volume level.	Use ▶ to increase and ◀ to decrease volume.	0 to 47
Balance	Adjust left and right volume levels. ☞ This option will become unavailable if Audio Out is set to On.	Use ▶ to increase right volume, ◀ to increase left volume level.	-12 to +12
Sound Type	Select the sound type for video inputs (except TV/CATV input).	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	• Stereo • Sound 1 • Sound 2
MTS	Select TV/CATV audio.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	• Stereo • SAP • Mono
Steady Sound	Automatically adjusts the sound level to be constant amongst different TV stations when viewing TV programs. ☞ This option will become unavailable if Audio Out is set to On.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	• Off • Auto
SRS TS	Turn on or off SRS TruSurround XT Home Theater Surround Sound Effect.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	• Off • On
Audio Out	Select sound output from the internal speaker or or external speaker (e.g. headphone)	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	• Off • On
Advanced Audio settings- Press ENTER to enter. ☞ This option will become unavailable if the SRS TS and Audio Out options are set to On.			
Treble	Adjust treble tones	Use ▶ to increase treble tone, ◀ to decrease treble tone.	-12 to +12

Mid Treble	Adjust mid-treble tones	Use ► to increase mid treble tone, ◀ to decrease mid treble tone.	-12 to +12
Middle	Adjust mid tones	Use ► to increase middle tone, ◀ to decrease middle tone.	-12 to +12
Mid Bass	Adjust mid-bass tones	Use ► to increase mid bass tone, ◀ to decrease mid bass.	-12 to +12
Bass	Adjust bass tones	Use ► to increase bass tone, ◀ to decrease bass tone.	-12 to +12

Picture Menu



1. Press the **MENU** button on the remote control or the **MENU** button on the display to display the main menu.
2. Press the **◀** or **▶** buttons to select **Picture** and then press **ENTER** to enter the submenu.
3. Press the **▲** or **▼** buttons to select an item.
4. In the **Picture Menu**, use the **◀** or **▶** buttons to adjust the setting or select the options.
5. To return to the menu one level up, press the **EXIT** button on the remote control, or the **MENU** button on the display.

Item	Function	Operation	Range
Contrast	Adjust image contrast.	Use ▶ to increase contrast, or ◀ to reduce it.	0 to 32
Brightness	Adjust image black level.	▶ for brighter blacks, ◀ for darker blacks.	0 to 60
Color	Adjust color saturation.	▶ for higher saturation, ◀ for lower saturation.	0 to 64
Tint	Adjust color tint.	▶ for redder tones, ◀ for greener tones.	0 to 30
Sharpness	Adjust the sharpness level of the image.	▶ for a sharper image, ◀ for softer image.	-14 to 25
Advanced Picture Settings - Press ENTER to enter.			
Color TEMP.	Adjust the color tint of the black and white part of the image.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • Panel Default: backlight color • Warm: Biased toward red • Normal: Standard video/TV color temperature • Cool: Biased toward blue - for PC input
Picture Mode	To restore a factory preset or user customized user situation mode from memory.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • Vivid • Standard • Movie • Sports • Personal 1 • Personal 2
Color Enhancement - Press ENTER to enter.			
Red	Adjust red in image.	▶ for more red concentration, ◀ for less red concentration.	0 to 30
Green	Adjust green in image.	▶ for more green concentration, ◀ for less green concentration.	0 to 30
Blue	Adjust blue in image.	▶ for more blue concentration, ◀ for less blue concentration.	0 to 30


Yellow	Adjust yellow in image.	► for more yellow concentration, ◀ for less yellow concentration.	0 to 30
Save Settings	Two different user profiles can be set.	Press ◀ or ► buttons to select the user situation preset Personal 1 or Personal 2. Then press ENTER to save your current settings.	<ul style="list-style-type: none"> • To Personal 1 • To Personal 2

Picture Mode Settings

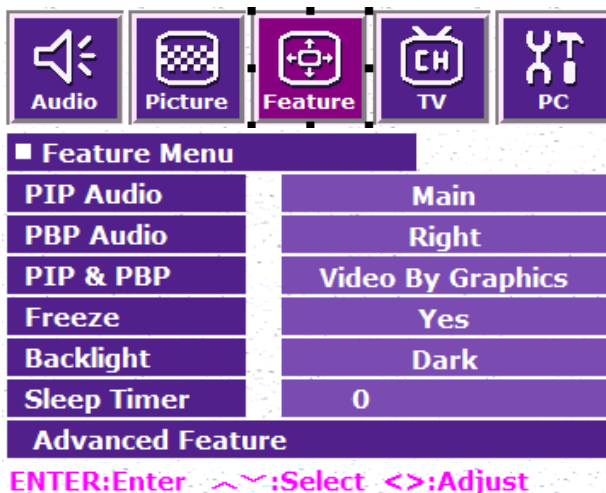
1. Press the **MENU** button on your remote control or the **MENU** button on the display to bring up the OSD menu.
2. Press the ◀ or ► button to select **Picture** and press the **ENTER** button to enter the submenu.
3. Select an option (**Contrast, Brightness, Color, Tint...**) from the **Picture** menu to adjust your favorite image quality.
4. Press the ▲ or ▼ button to select **Advanced Picture Settings**, and press the **ENTER** button to enter the submenu.
5. Press the ▲ or ▼ button to select **Save Settings**, and press the **ENTER** button to enter the submenu.
6. Press the ▲ or ▼ button to save your settings in **To Personal 1** or **To Personal 2** and then press the **ENTER** button to confirm.

Selecting a Picture Mode

1. Press the **MENU** button on your remote control or the **MENU** button on the display to bring up the OSD menu.
2. Press the ◀ or ► button to select **Picture** and press the **ENTER** button to enter the submenu.
3. Press the ▲ or ▼ button to select **Advanced Picture Settings**, and press the **ENTER** button to enter the submenu.
4. Press the ▲ or ▼ button to select **Picture Mode**, and press the ◀ or ► button to select a picture mode.
5. Press the **MENU** button to close the menu.


 **You can also press the PRESET button on the remote control to switch to the picture mode you want directly.**

Feature Menu



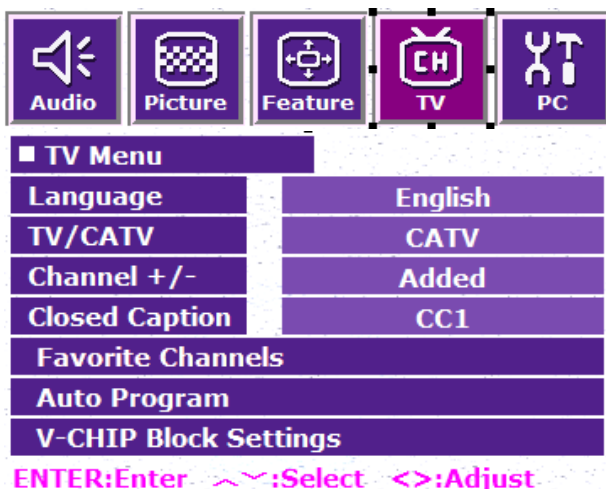
1. Press the **MENU** button on the remote control or the **MENU** button on the display to bring up the main menu.
2. Press the ◀ or ▶ buttons to select **Feature** and then press **ENTER** to enter the submenu.
3. Press the ▲ or ▼ buttons to select an item.
4. In the **Feature Menu**, use the ◀ or ▶ buttons to adjust the setting or select the options.
5. To return to the menu one level up, press the **EXIT** button on the remote control, or the **MENU** button on the display.

Item	Function	Operation	Range
PIP Audio	Select which audio source you want to hear. ☞ This option is available only if the PIP mode is activated.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • Main • Sub
PBP Audio	Select which audio source you want to hear. ☞ This option is available only if the PBP mode is activated.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • Left • Right
PIP & PBP*	Display video and images simultaneously in either Picture-In-Picture or Picture-By-Picture mode.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • Full screen • Graphics On Video • Video On Graphics • Graphics By Video • Video By Graphics
Freeze	Freeze motion of screen image (however, broadcast continues).	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • No • Yes
Backlight	Adjust backlight intensity.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • Dark • Normal • Bright
Sleep Timer	Set the Sleep timer to automatically turn off the display.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	0, 30, 60, 90, 120, 150, 180 minutes
Advanced Feature- Press ENTER to enter.			

Aspect Ratio	Adjust image aspect ratio.	Use the ► and ◀ buttons on the remote control or the VOL ► and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • Full Screen - Enlarge the standard 4:3 video signal (e.g. TV signal) to 16:9 full screen video signal. When the original input video source is 16:9 in ratio (e.g. DVD signal), no change will occur. • 4:3 Format - Display the standard 4:3 video signal (e.g. TV signal) in the center of the screen at the ratio of 4:3. The screen does not change, but black blocks appears in the left and right sides of the screen. When the input video source is 16:9 in ratio, deformation will occur on the screen. • Letterbox - Fill the entire 4:3 screen with a 4:3 video signal. The redundant part on the upper and bottom of the image will be removed and the image will extend vertically and horizontally to fill the full screen. When the input video source is 16:9 in ratio (e.g. DVD signal), no change will occur. • Anamorphic - Fill the entire screen with a 4:3 video signal. Some deformations may be identified on the edge of the image. When the input video source is 16:9 in ratio (e.g. DVD signal), no change will occur. • Real - Display the actual size of the video source without zooming.
Video Input	Select video signal input source for PIP/PBP function.	Use the ► and ◀ buttons on the remote control or the VOL ► and VOL ◀ buttons on the display to change selection.	TV, AV1, AV1-S, AV2, AV2-S, AV3, AV3-S  AV1-S, AV2-S or AV3-S will appear only when the S-Video input of AV-1, AV-2 or AV-3 is connected.
Graphics Input	Select graphics signal input source for PIP/PBP function.	Use the ► and ◀ buttons on the remote control or the VOL ► and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • PC • Component 1 • Component 2 • DVI
Reset All Settings	Restore all settings to default values.	Press the ENTER button on the remote control or the INPUT button on the display to reset.	

 **PIP/PBP Functions are available with 480p, 576p, 720p, 1080i HDTV formats.**

TV Menu




1. Press the **MENU** button on the remote control or the **MENU** button on the display to bring up the main menu.
2. Press the ◀ or ▶ buttons to select **TV** and then press **ENTER** to enter the submenu.
3. Press the ▲ or ▼ buttons to select an item.
4. In the **TV Menu**, use the ◀ or ▶ buttons to adjust the setting or select the options.
5. To return to the menu one level up, press the **EXIT** button on the remote control, or the **MENU** button on the display.

Item	Function	Operation	Range
Language	Select language for the OSD menu.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • English • Français • Español • 繁體中文
TV/CATV	Select TV or cable system mode.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • TV • CATV
Channel +/-	Add weak or additional channels or delete unwanted channels from TV memory.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	<ul style="list-style-type: none"> • Skipped • Added
Closed Caption	(See "Setting up Closed Caption" on page 34)		
Favorite Channels	Set and change Favorite Channels	Refer to "Setting up Favorite Channels" below.	Favorite 1, 2, 3, 4, 5
Auto Program	Tuner will search through all available channels and add them to memory.	Press the ENTER button to start channel search.	
V-CHIP Block Settings	(See "Setting up V-CHIP" on page 34)		

Setting up Favorite Channels

1. Press the **MENU** button on the remote control or the **MENU** button on the display to bring up the main menu.
2. Press the ◀ or ▶ buttons to select **TV** and then press **ENTER** to enter the submenu.
3. Press the ▲ or ▼ buttons to select **Favorite Channels** and then press **ENTER** to enter the submenu.
4. Press the ▲ or ▼ buttons to set your favorite channels (**Favorite 1**, **Favorite 2**, **Favorite 5**), then press the channel selection button on your remote control to enter the channel number that you desire.
5. Press the **EXIT** button on the remote control.

Setting up Closed Caption

Closed Caption is a system which allows conversations, narration, and sound effects in TV programs and home videos to be viewed as captions on the TV screen. Not all the programs and videos will offer closed captioning. Please look for the  symbol to ensure that captions will be shown.

1. Press the **MENU** button on the remote control or the **MENU** button on the TV to bring up the main menu.
2. Press the **◀** or **▶** button to select **TV** and then press **ENTER** to enter the submenu.
3. Press the **▲** or **▼** button to select **Closed Caption**.
4. Press the **▶** or **◀** button on the remote control or the **VOL ▶** or **VOL ◀** button on the display to choose among the available choices for the selected option.

- ☞ **Closed Caption may malfunction (white blocks, strange characters, etc.) if signal conditions are poor or if there are problems at the broadcast source. This does not necessarily indicate a problem with your display.**
- **If no TEXT broadcast is being received while viewing in the [TEXT] mode, the screen may become dark and blank for some programs. Should this occur, switch the Closed Caption mode to OFF.**
 - **Close caption will disappear temporarily when the OSD menu is displayed on the screen.**

Setting up V-CHIP

This function allows TV programs to be restricted and TV usage to be controlled based on FCC data. It prevents children from watching violent or sexual scenes that may be harmful.

Restriction of TV programs includes two ratings that contain information about the program: the Movie Ratings and the TV Ratings. The Movie Ratings are restricted by age. TV Ratings are restricted by age and content.

Since a TV program may use either the Movie Ratings or the TV Ratings, both should be adjusted for complete control.

Movie Ratings

Ratings		
Age Base	G	GENERAL AUDIENCES. All ages admitted.
	PG	PARENTAL GUIDANCE SUGGESTED. Some material may not be suitable for children.
	PG-13	PARENTAL STRONGLY CAUTIONED. Some material may be inappropriate for children under 13.
	R	RESTRICTED. Under 17 requires accompanying parent or adult guardian.
	NC-17	NO ONE 17 AND UNDER ADMITTED.
	X	X is an older rating that is unified with NC-17 but may be encoded in the data of older movies.

Movie Ratings (examples)

Example 1

PG-13 in the age-based rating is blocked, this will also automatically block the higher ratings R, NC-17 and X.

Example 2

R in the age-based rating is blocked, this will also automatically block the higher ratings NC-17 and X.

☞ **The Movie Ratings are only age-based.**

TV Ratings

Canadian English TV Ratings

Rating		Content base
Age Base	Exempt (No blocking))	Exempt programming includes: news, sports, documentaries and other information programming; talk shows, music videos, and variety programming.
	C (Children)	Programming intended for children with this designation must adhere to the provisions of the Children's section of the Canadian Association of Broadcasters (CAB) Voluntary Code on Violence in TV Programming.
	C8+ (Children, eight years and older)	This classification is applied to children's programming that is generally considered acceptable for youngsters 8 years and over to view on their own. It is suggested that a parent/guardian co-view programming assigned this classification with younger children under the age of 8.
	G (General Programming, suitable for all ages)	This is programming intended for a broad, general audience. While not designed specifically for children, it is understood that younger viewers may be part of the audience. Therefore programming within this classification shall contain very little violence, either physical, verbal or emotional.
	PG (Parental Guidance)	This programming, while intended for a general audience, may not be suitable for younger children (under the age of 8). Parents/guardians should be aware that there might be content elements which some could consider inappropriate for unsupervised viewing by children in the 8-13 age range.
	14+ (Viewers 14 years and older)	Programming with this classification contains themes or content elements which might not be suitable for viewers under the age of 14. Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens without parent/guardian supervision, as programming with this classification could deal with mature themes and societal issues in a realistic fashion.
	18+ (Adult Programming)	This classification applies to programming which could contain any or all of the following content elements which would make the program unsuitable for viewers under the age of 18.

Canadian French TV Ratings

Rating		Content base
Age Base	Exempt (Aucun blocage)	Parmi les émissions exclues figurent celles-ci : nouvelles, sports, documentaires et autres émissions d'information, talk-shows, vidéoclips et émissions de variété.
	G (Général)	Cette émission convient à un public de tous âges. Elle ne contient aucune violence ou la violence qu'elle contient est minime, ou bien traitée sur le mode de l'humour, de la caricature, ou de manière irréaliste.
	8 ans+ (Général-Déconseillé aux jeunes enfants)	Cette émission convient à un public large mais elle contient une violence légère ou occasionnelle qui pourrait troubler de jeunes enfants. L'écoute en compagnie d'un adulte est donc recommandée pour les jeunes enfants (âgés de moins de 8 ans) qui ne font pas la différence entre le réel et l'imaginaire.
	13 ans + (Cette émission peut ne pas convenir aux enfants de moins de 13 ans)	Elle contient soit quelques scènes de violence, soit une ou des scènes d'une violence assez marquée pour les affecter. L'écoute en compagnie d'un adulte est donc fortement recommandée pour les enfants de moins de 13 ans.
	16 ans + (Cette émission ne convient pas aux moins de 16 ans)	Elle contient de fréquentes scènes de violence ou des scènes d'une violence intense.
	18 ans + (Cette émission est réservée aux adultes)	Elle contient une violence soutenue ou des scènes d'une violence extrême.

USA TV Ratings

Rating		Content Base
Age Base	None (No blocking))	Exempt programming includes: news, sports, documentaries and other information programming; talk shows, music videos, and variety programming.
	TV-Y (All children)	The program is designed to be appropriate for all children.
	TV-Y7 (Direct to Older Children)	The program is designed for children age 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality.
	TV-G (General Audience)	Most parents would find The program suitable for all ages. Although this rating does not signify a program designed specifically for children, most parents may let younger children watch this program unattended.
	TV-PG (Parental Guidance Suggested)	The program contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children.
	TV-14 (Parents Strongly Cautioned)	The program contains some material that many parents would find unsuitable for children under 14 years of age. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended.
	TV-MA (Mature Audience Only)	The program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.
Content Base	V , FV	Programs with violence or fantasy violence contents.
	L	Programs that contain strong language
	S	Programs with sexual situations.
	D	Programs with suggestive dialogs.

Example

When the V (FV) content based rating in the TV-Y7 age-based rating is set to BLOCK, this will automatically block the V (FV) contents in higher ratings: TV-G, TV-PG, TV-14 and TV-MA. Choosing a lower age-based rating blocks the higher age-based ratings regardless of content based rating settings.

Adjusting V-Chip Setting

First-Time Setup

1. Press the **MENU** button on the remote control or the **MENU** button on the display to bring up the main menu.
2. Press the ◀ or ▶ buttons to select **TV** and then press **ENTER** to enter the submenu.
3. Press the ▲ or ▼ buttons to select **V-CHIP Block Settings** and then press **ENTER** to enter the submenu.
4. Enter a 4-digit password (the factory-preset password is 0000).
5. Press the ▲ or ▼ buttons to select **Enter V-CHIP Blocking Settings**, and then press the **ENTER** button.

Adjusting Movie Ratings

1. Press the ▲ or ▼ buttons to select **Movie Ratings**.
2. Use the ◀ or ▶ buttons to select a rating.

Adjusting TV Ratings

Adjusting Canadian English and Canadian French TV Ratings

1. Press the ▲ or ▼ buttons to select **Canadian English TV Ratings** or **Canadian French TV Ratings**.
2. Use the ◀ or ▶ buttons to select a rating.

Adjusting USA TV Ratings

1. After the password is entered, press the ▲ or ▼ buttons to select **USA TV Ratings** and then press the **ENTER** button.
2. Use the ◀ or ▶ buttons to select an age-based rating.
3. Press the ▲ or ▼ buttons to select a content based rating, and then press the ◀ or ▶ buttons to select **Block** or **Show**.


Canceling the V-CHIP Block Screen While V-CHIP Block is Activated

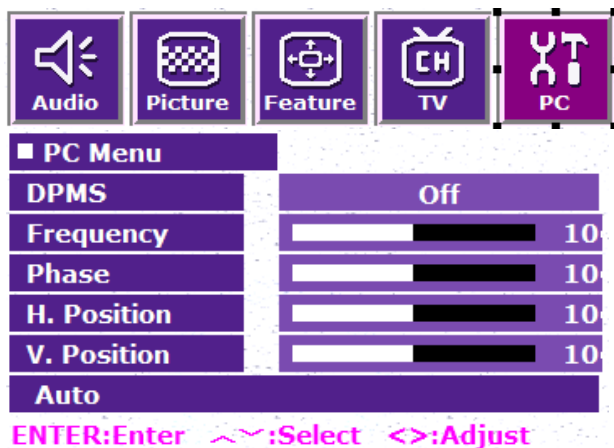
1. "The program is blocked" will appear on the screen if you watch a program that matches the rating data you configured.
2. Enter the 4-digit password by using the channel selection buttons. V-CHIP Block will be temporarily canceled. If an incorrect password is entered, it cannot be unblocked.

Changing V-CHIP Blocking Password

1. Press the **MENU** button on the remote or the **MENU** button on the display to bring up the main menu.
2. Press the ◀ or ▶ buttons to select **TV** and then press the **ENTER** button to enter the submenu.
3. Press the ▲ or ▼ buttons to select **V-CHIP Block Settings** and then press the **ENTER** button to enter the submenu.
4. Press the ▲ or ▼ buttons to select **Change Password**, and then press the **ENTER** button.
5. Enter the new password.
6. You will be prompted to enter the new password again. Now you have successfully changed the V-CHIP Blocking password.

PC Menu

 Options in this menu are available only if you have connected PC or DVI signals to the display.



1. Press the **MENU** button on the remote control or the **MENU** button on the display to bring up the main menu.
2. Press the **◀** or **▶** buttons to select **PC** and then press **ENTER** to enter the submenu.
3. Press the **▲** or **▼** buttons to select an item.
4. In the **PC Menu**, use the **◀** or **▶** buttons to adjust the setting or select the options.
5. To return to the menu one level up, press the **EXIT** button on the remote control, or the **MENU** button on the display.

Item	Function	Operation	Range
DPMS	Protect screen and enter power saver mode when no PC signal is detected.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	• Off • On
Frequency	Adjust display clock frequency.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	-32 to 32
Phase	Adjust display clock phase.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	0 to 31
H. Position	Adjust horizontal position of the image.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	-30 to 30
V. Position	Adjust vertical position of the image.	Use the ▶ and ◀ buttons on the remote control or the VOL ▶ and VOL ◀ buttons on the display to change selection.	-30 to 30
Auto	Automatically adjusts frequency, phase, H. position and V. position to place the image on the screen.	Use the ENTER button on the remote control or the INPUT button on the display to begin auto adjustment.	

8 Troubleshooting

Before calling a service center, attempt the following steps to diagnose the problem.

TV

Symptoms	Possible Causes
Power does not turn ON	Ensure the power plug is securely inserted into the receptacle and wall socket.
There is no picture or sound	<ul style="list-style-type: none"> • Ensure the display power is ON (Indicated by the green Power indicator on the front of the display) • Try a different input source to check whether the source is at fault. • Check for mis-connection of cables or for wrong input source.
There are spots on the screen	Your display is being affected by interference from automobiles, trains, high-voltage transmission lines, neon signs or another sources of interference. Try redirecting or relocating your antenna to reduce the affects of the interference.
Degraded colors or tints	<ul style="list-style-type: none"> • Check whether all the picture adjustments have been properly performed. • Press the PRESET button on the remote control to select a different picture mode.
Improper screen position or size	Try selecting a different aspect ratio by pressing the ASPECT button on the remote control.
The image appears distorted	Ensure the display's aspect ratio is correctly set to suit the program source.
The image appears too bright, and there is a loss of definition in the brightest areas of the image.	<ul style="list-style-type: none"> • Reduce the contrast setting. • The DVD player is set for a high-level output. • The AV video signal has not been terminated properly somewhere in the external AV equipment.
The image appears too 'washed out', or the darkest areas of the image appear too bright.	<ul style="list-style-type: none"> • Reduce the brightness level till the black areas of the picture appear as black. • The DVD player may be set at too high a brightness level.
Power indicator lamp flashes red.	<ul style="list-style-type: none"> • Check the PC/DVI cable for disconnection. • This indicates the PC/DVI input has been selected with no PC/DVI source signal. • The PC has been put to Standby mode.
"Out of range" appears	• Check whether the input signal is acceptable to the display.
Remote control does not function properly	<ul style="list-style-type: none"> • Check for incorrect battery orientation. • Check for dead batteries • Check your distance and angle from the display. • Check whether remote control is properly being pointed at the display's remote control sensor window. • Check for any obstacle between the remote control and the remote control sensor window. • Check that the remote control sensor window is not under strong fluorescent lighting.
There is no picture or sound, just noise.	<ul style="list-style-type: none"> • Make sure the antenna cable is properly connected. • Change channels to confirm if the symptom is still present.

Picture is not clear.	<ul style="list-style-type: none"> • Make sure the antenna cable is properly connected. • Change channels to confirm if the symptom is still present. • If PC is selected as the input signal source, use the Auto function in the PC Menu to let the display adjust picture automatically.
No sound.	<ul style="list-style-type: none"> • Check whether you have selected the Mute function. • Make sure the volume is not set to minimum. • Check the AV cables for disconnection.

Antenna

Symptoms	Possible Causes
The picture is not sharp or the picture moves contains image movement.	<ul style="list-style-type: none"> • The reception may be weak. • Change channels to confirm if the symptom is still present. • Make sure the outside antenna is not disconnected. • Make sure the antenna is facing the right direction.
The picture is doubled or tripled.	<ul style="list-style-type: none"> • Make sure the antenna is facing the right direction. • Picture ghosting is caused by reflections from buildings, large metal structures and mountains. Carefully realign your antenna to minimise the ghost images. Ultimately a higher quality antenna professionally installed may be necessary to reduce the ghosting.
The picture is spotted.	<ul style="list-style-type: none"> • There may be interference from automobiles, trains, high voltage lines, neon lights, etc. • There may be interference between the antenna cable and power cable. Try positioning them further apart.
There are stripes on the screen or colours fade.	<ul style="list-style-type: none"> • Is the television receiving interference from other devices? Transmission antennas of radio broadcasting stations and transmission antennas of amateur radios and cellular phones may also cause interference. • Use the television as far away as possible from devices that may cause possible interference.

Model		DV3250
Size		80 cm (31.5 inches)
Aspect ratio		16:9
Resolution		1366 x 768
Pitch		0.51075 x 0.51075 (mm)
Brightness		500 nits
Contrast ratio		800:1
Viewing angle (left/right/up/down)		85°/85°/85°/85°
Response time		12 ms
Amplifier		10W x 2
Signal inputs	TV	TV tuner
	Video	S-Video Composite video (RCA) Component video (Y P _B P _R) Audio input
	PC & HDCP	DVI/HDCP PC D-sub DVI audio input PC audio
Signal outputs		Audio output Headphone output
Video color systems		NTSC, PAL, SECAM
Scan format		480i / 480p / 720p / 1080i
PC horizontal frequency		31.5 ~ 60 kHz
PC vertical frequency		50 ~ 70 Hz
Power supply		AC 100-240 V, 50/60 Hz

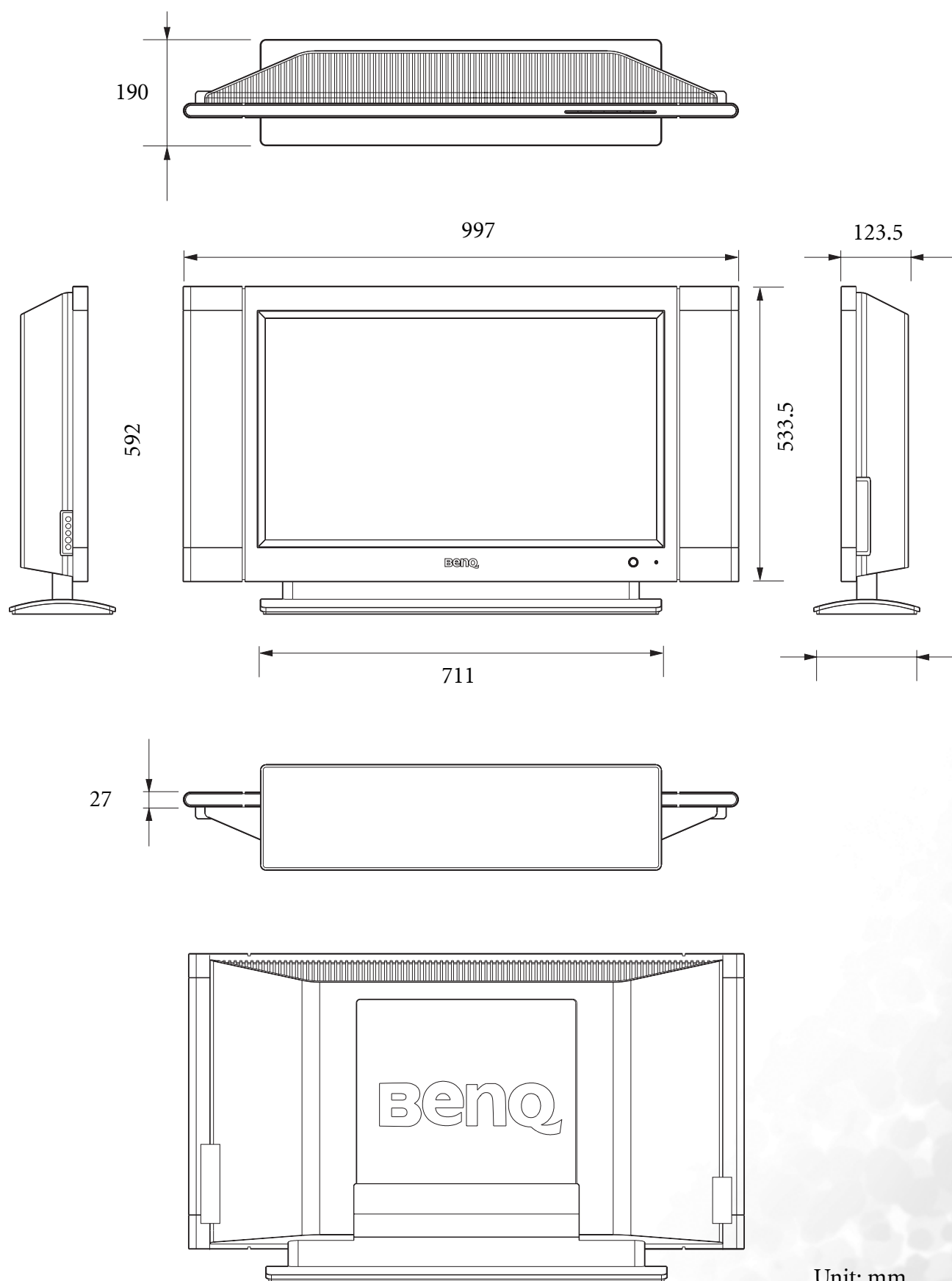
 Design and specifications are subject to change without notice.

10 Supported Modes

Resolution	Horizontal Freq. (khz)	Vertical Freq. (Hz)	Bandwidth (Mhz)	Notes
720 × 400	31.47	70.08	28.32	DOS mode
640 × 480	31.47	60.00	25.18	DOS mode
640 × 480	37.50	75.00	31.50	VESA
640 × 480	37.86	72.80	31.50	VESA
800 × 600	37.88	60.32	40.00	VESA
800 × 600	46.86	75.00	49.50	VESA
1024 × 768	48.36	60.00	65.00	VESA

 **Optimal settings for this product are as listed above. It is suggested that you select appropriate settings from this table to obtain optimal performance.**

11 Dimensional Drawings



<Memo>