ViewSonic™

22-Inch Full-HD
LCD Display

- User Guide

- 使用手册

Model No. : VS12400

Contents

Important Safety Instructions

1. Read these instructions completely before using the equipment.

2. Keep these instructions in a safe place.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this equipment near water. **Warning:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

6. Clean with a soft, dry cloth. If further cleaning is required, see "Cleaning the LCD TV" in this guide for further instructions.

7. Do not block any ventilation openings. Install the equipment in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.

9. Do not attempt to circumvent the safety provisions 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 third grounding prong. The wide blade and the third prong are provided for your safety. If the plug does not fit into your outlet, consult an electrician for replacement of the outlet.

10. Protect the power cord from being tread upon or pinched, particularly at the plug, and the point where if emerges from the equipment. Be sure that the power outlet is located near the equipment so that it is easily accessible.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this equipment when it will be unused for long periods of time.

14. Refer all servicing to qualified service personnel. Service is required when the unit has been damaged in any way, such as: if the power-supply cord or plug is damaged, if liquid is spilled onto or objects fall into the unit, if the unit is exposed to rain or moisture, or if the unit does not operate normally or has been dropped.

15. This product is only to perform the useful function of entertainment and visual display tasks are excluded.

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 local law.

If the batteries, accumulators and button cells included with this equipment, display the chemical symbol Hg, Cd, or Pb, then it means that the battery has a heavy metal content of more than 0.0005% Mercury or more than, 0.002% Cadmium, or more than 0.004% Lead.

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.

HD ready

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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:	**VT2230-1NT**
	ViewSonic LCD Display
Model Number:	**VS12400-1P**
Document Number:	**VT2230-1NT_UG_ENG Rev. 1A 11-12-08**
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.

Antenna Installation Instructions

1. **Outdoor Antenna Grounding**

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

2. **Lightning**

   For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges. Do not disconnect the antenna or the power cord during a heavy storm lighting may strike while you are holding the cable cord, causing serious injury; turn off your LCD TV and wait for the weather to improve.

3. **Power Lines**

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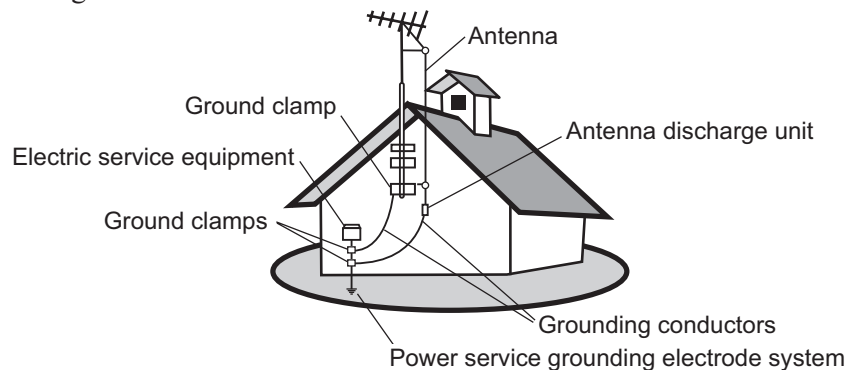
Cleaning the LCD TV

• Make sure the LCD TV is turned off.
• Never spray or pour any liquid directly onto the screen or case.

To clean the screen:
1. Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
2. If still not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

To clean the case:
1. Use a soft, dry cloth.
2. If still not clean, apply a small amount of a non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

Disclaimer

ViewSonic does not recommend the use of any ammonia or alcohol-based cleaners on the LCD TV screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the LCD TV. ViewSonic will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.

Overview of the LCD Display

Congratulation in purchasing the LCD Color Display. This product has been designed to provide you with a rich audio and video experience. This monitor enables you to watch broadcast or cable television ,channels, connect VCR, VCD or DVD player to watch your favorites movies, or connect a computer to use the display as a monitor. The LCD Display is equipped with convenient control buttons located on the front panel and a handy remote control to let you adjust the setting and customize the preferences through an easy-to -use on screen menu system.

Enjoy the versatility of your LCD Display with its wide variety of features:

> Color active matrix TFT LCD Display with remote control
>
> Safe, sturdy construction
>
> 21.6 inches: Contrast ratio-1000: 1 and Brightness-300 cd/m2
>
> Response time: Tg: 5 ms (Typ)
>
> Maximum display resolution: 1920 x 1080
>
> Audio / Video support
> - HDMI analog audio input
> - Component (YCbCr / YPbPr) video input
> - S-Video input
> - AV input
> - Composite video input
> - Composite audio input
> - YPbPr video input
> - VGA input
> - PC audio in
> - USB input
>
> On-Screen Display (OSD) menu system

Product components

The following section describes the various components of the LCD Display. Please take a few moments to familiarize yourself with the product and control panel before using it .

When you unpack this LCD Display, please make sure the box contains the following items:

- LCD Color Display
- Power Cord
- Remote Control (with 2 AAA batteries)
- User Manual
- Warranty Card

* If any of these items were missing or damaging, please contact service party for assistance.

Front view

Power Indicator LED

1 SOURCE

Switch among the input source.

2 MENU

Press the button to enter On Screen Display (OSD).

3 VOL +/-

Increase or decrease the volume.

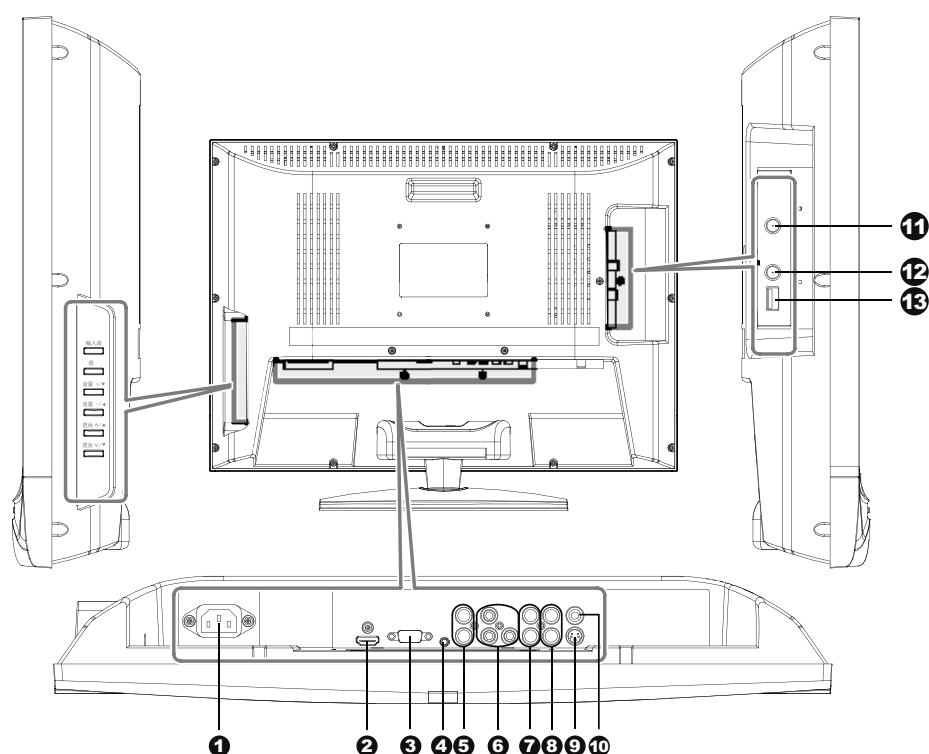**4** CH ▲/▼

Increase or decrease channel number.

輸入源 **1**

選單 **2**

音量 +/▶ **3**

音量 −/◀

選台 ∧/▲

選台 ∨/▼ **4**

⚠ Power indicator LED indicates if the LCD power is turned on (blue) or in stand-by state (orange).

Rear view

NO	ITEM	FUNCTION
❶	AC-IN	Connect to the AC outlet.
❷	HDMI IN	Connect to the HDMI output of your PC or portable computer or A/V device.
❸	PC -IN	Connect to the VGA output of your PC or portable computer.
❹	PC AUDIO IN	Connect to the audio output of your computer.
❺	AUDIO OUT	Connect to the audio input jack of your Audio device.
❻	COMPONENT IN	Connect to the component output jack of your component device.
❼	COMPONENT AUDIO IN	
❽	AV AUDIO IN	Connect to the A/V output jack of your A/V device.
❾	S-VIDEO IN	Connect to the S-Video output jack of your S-Video device.
❿	AV IN	Connect to the A/V output jack of your A/V device.
⓫	ANTENNA/TV MODULE CONNECTORS	Connect to the ATV signal and DTV signal.
⓬		
⓭	USB	Connect a USB source.

Remote Control
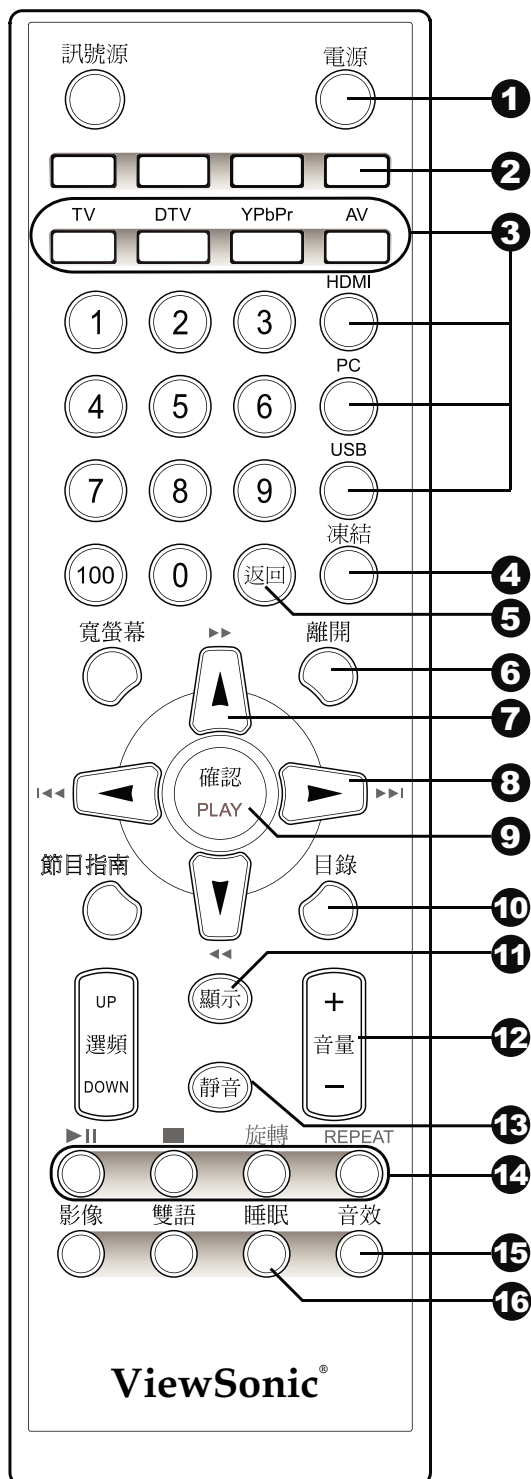
❶ 電源 POWER

Turn power ON or OFF.

❷ COLOR KEYS

Context sensitive OSD hotkeys.

❸ SOURCE HOTKEYS

Press the hotkeys to select the input source.
Press DTV once for DTV source; press twice to enter digital radio.

❹ 凍結 FREEZE

Freeze the present image on the screen.

❺ 回復 RETURN

Switch to the previous viewed channel.

❻ 離開 EXIT

Exit OSD menus.

❼ OSD MENU UP/FAST FORWARD

Move up in OSD menus/fast forward media.

❽ OSD MENU RIGHT/SKIP FORWARD

Move right in OSD menus/skip to next media.

❾ 確認 ENTER/PLAY

Enter the selected OSD item/Play media.

❿ 目錄 MENU

Press to enter current source OSD Menu.

⓫ 顯示 DISPLAY

Press to display the information of input signal.

⓬ 音量 +/- VOL+/-

Increase + or decreases - the volume.

⓭ 靜音 MUTE
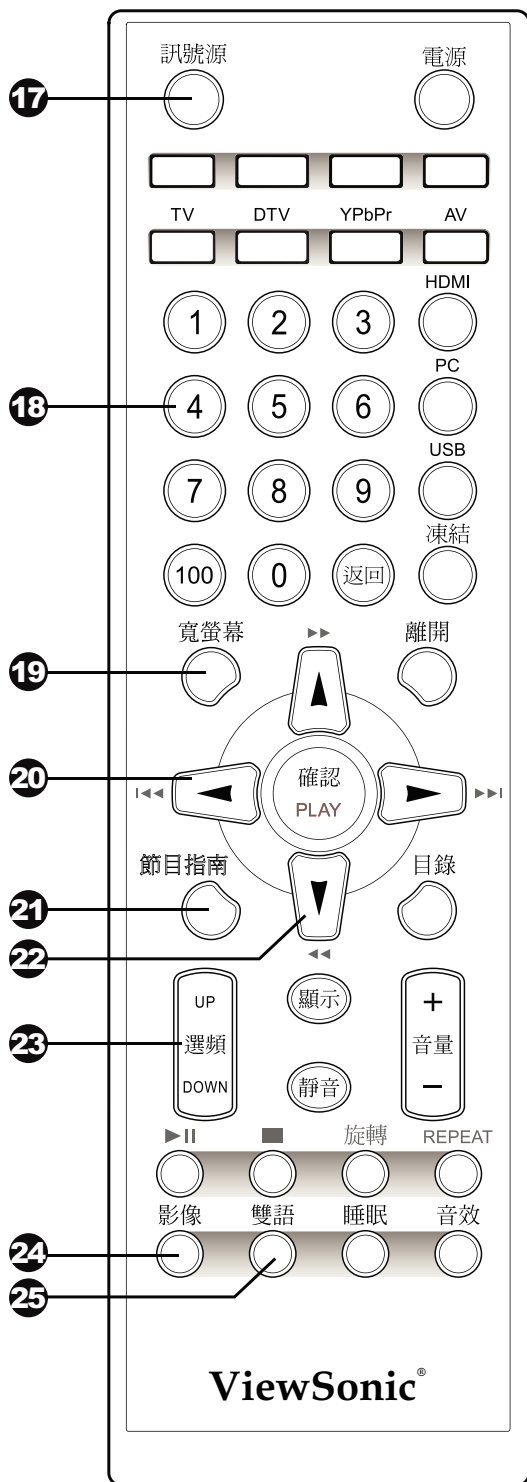
Disable the audio output.

⓮ MEDIA CONTROL KEYS

Play/Pause/Stop/Rotate/Repeat current media.

⓯ 音效 SOUND MODE

Select the desired Sound Mode.

⓰ 睡眠 SLEEP TIMER

Press repeatedly to set the sleep timer from 15 to 60 mins.

⑰ 訊號源 SOURCE

Select the video source signal.

⑱ 數字鍵 NUMBER KEYS

Press the number keys to enter channel numbers.

⑲ 寬螢幕 WIDE

Switch the display mode between various wide modes.

⑳ OSD MENU LEFT/SKIP BACKWARD

Move left in OSD menus/skip to previous media

㉑ GUIDE (ONLY IN DTV OSD MENU)

Enter the program guide of DTV OSD.

㉒ OSD MENU DOWN/REWIND

Move down in OSD menus/rewind media.

㉓ 選頻 CHANNEL ▲▼

Press the ▲ or ▼ keys to increase or decrease the channel number.

㉔ 影像 PICTURE MODE

Switch among four picture modes to change the picture quality : USER, STANDARD, VIVID, SOFT.

㉕ 雙語 MTS

Switch between monaural, stereo, and audio modes.
This function enable you to receive a second language or unrelated audio.

Getting started

Please refer to the following sections for detailed instructions about connecting the audio /video (AV) device of your LCD Display and view your favorite programmes or movies .These sections describe the basic procedures required to set up your Display for easy and convenient viewing.

Inserting the remote control batteries

Insert the two AAA batteries provided into the remote control as described below:

1. Pull the latch on the battery compartment cover on the rear of the remote control and remove the cover.

2. Insert the two supplied AAA batteries .Check the + and - ends of the batteries before inserting them in the compartment.

3. Replace the cover and make sure it snaps securely back into place.
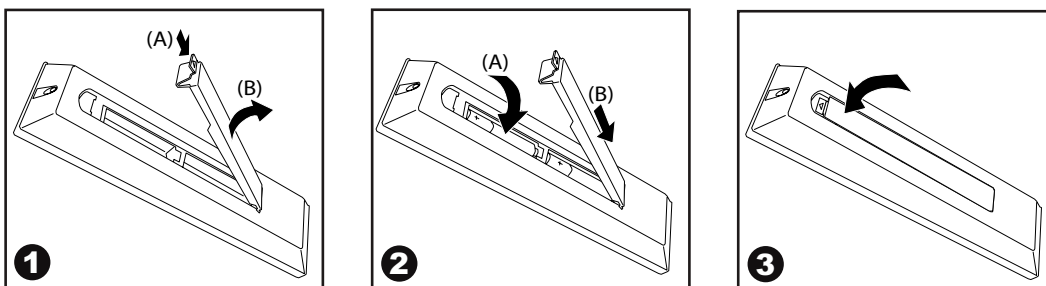
- Do not mix old and new batteries or batteries of different types together.
- Do not short -circuit ,disassemble ,heat or fire batteries.
- Remove the batteries to avoid damage from possible battery leakage if you anticipate that the remote control will not be used for an extended period of time.
- Please handle the remote control with care. Avoid dropping it ,getting it wet ,or placing it in direct sunlight, near a heater or in an area of high humidity.

Connecting power

1. Connect the supplied power cord to the AC IN jack on the rear of Display.

2. Connect the other end of the power cord to a power outlet.(AC 110V 60Hz).
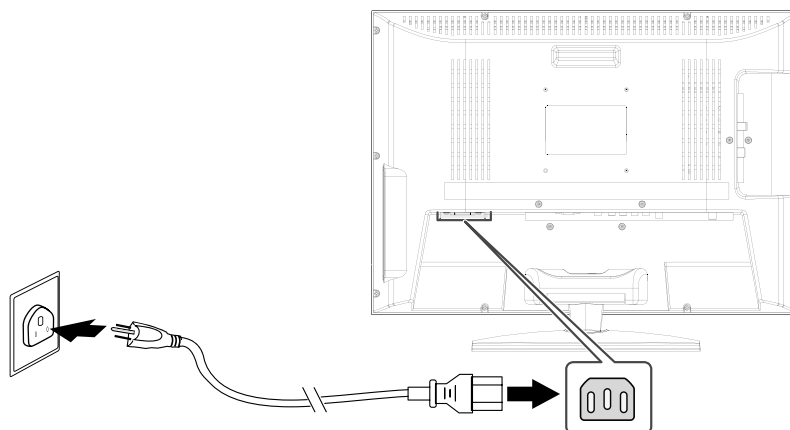
Cable Connections

PC Connector
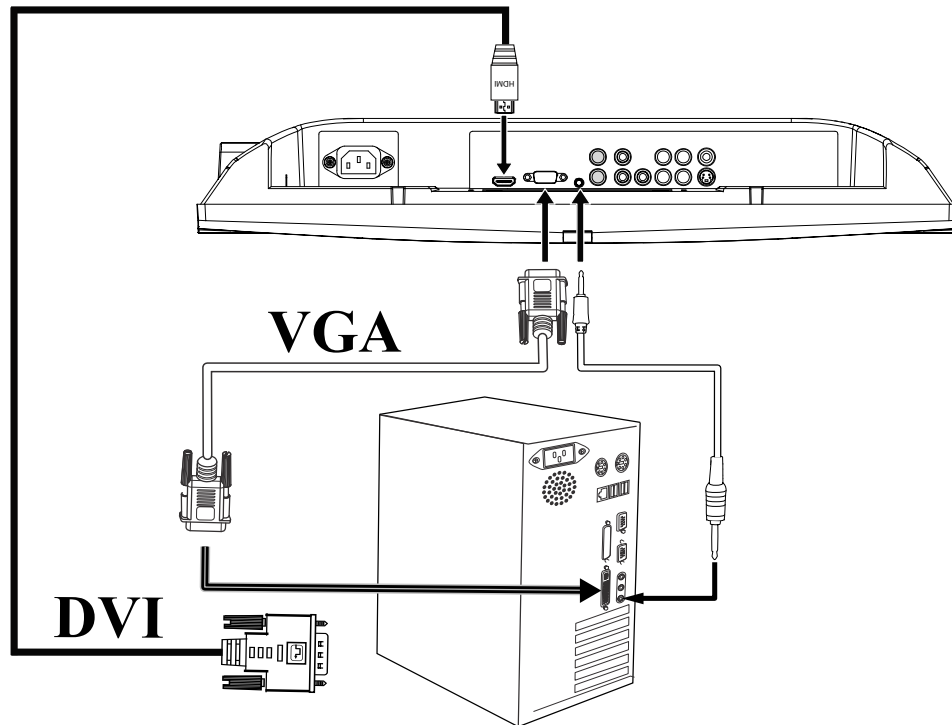
Supported Resolutions

Standard	Resolution	Hor. Total	Hor. Freq. (KHz)	Hor. Priority	Ver. Total	Ver. Freq. (Hz)	Ver. Priority	Pixel Clock (MHz)
DOS	720x400@70Hz	900	31.47	(-)	449	70.09	(+)	28.32
VESA	640x480@60Hz	800	31.46	(-)	525	59.95	(-)	25.17
VESA	640x480@75Hz	840	37.50	(-)	500	75.00	(-)	31.50
VESA	800x600@60Hz	1056	37.87	(+)	628	60.31	(+)	40.00
VESA	800x600@75Hz	1056	46.87	(+)	625	75.00	(+)	49.50
MAC	832x624@75Hz	1152	48.943	(-)	667	74.836	(-)	57.283
VESA	1024x768@60Hz	1344	48.36	(-)	806	60.00	(-)	65.00
VESA	1024x768@75Hz	1312	60.02	(+)	800	75.02	(+)	78.75
VESA	1280x1024@60Hz	1688	63.98	(+)	1066	60.02	(+)	108.00
VESA	1920x1080@60Hz (R)	2080	66.587	(+)	1111	59.934	(-)	138.50

⚠ (R) = Reduced Blinking mode (CV-RBT)

Other Connections
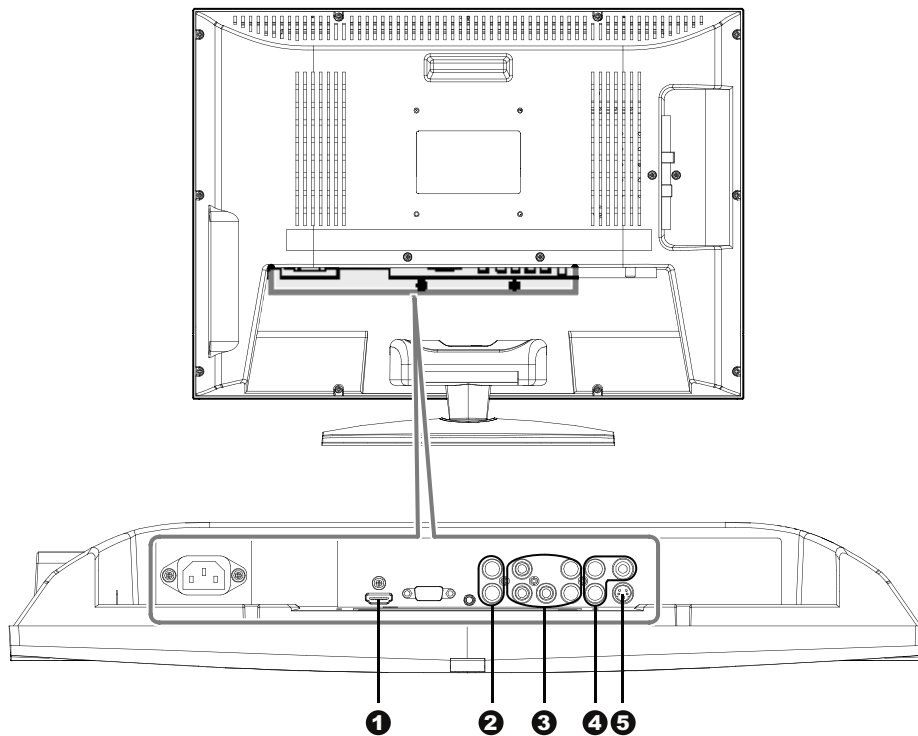
❶ HDMI

Connect to devices with HDMI output such as Blu-ray players, DVD players, Cable boxes, VCR / VCD players, PCs, and portable PCs.
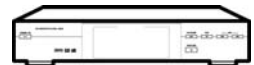
❷ Audio cable

Connect to devices with audio output such as DVD recorders, VCRs, and Home theater audio equipment.
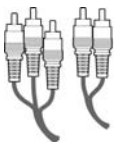
❸ Component cable

Connect to devices such as DVD players, Digital TV receivers, and Digital satellite receivers.

❹ A/V connector

Connect to devices with A/V output such as VCRs, VCD players, and DVD players.

❺ S-video cable

Connect to devices with S-video output such as DVD players, Digital cameras, and satellite receivers.

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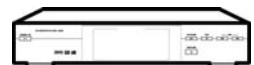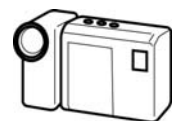
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Notes:

Refer to these notes before connecting any audio / video equipment to this Display:

• Refer to the manuals of your Display, stereo, or other equipment.

• Disconnect all equipment from the power outlets. Connect the equipment to the power outlets only after you have completed connecting everything. Never make or change connections when equipment still connected to a power outlet.

• Connect DVD player directly to the Display. For example, do not connect DVD player to VCR and then connect the VCR to your Display. This type of connection could distort both the picture and the sound. Your VCR might have a copy protection system which could distorted the DVD image.

• Set the stereo system to the correct channel or source if your video equipment is also connected to a stereo system.

• You only need one audio connection and one video connection between your Display and other audio/ video equipment (such as DVD player, VCR, Camcorder). This means it is possible you will not use all the jacks on the Display.

• If you plan to watch Display via your DVD player or VCR, connect a coaxial cable to the DVD player's or VCR's TUNER IN jack then connect to the antenna jack on your LCD Display. This allows you to watch channels on the Display normally when the DVD player or VCR is off.

• The function of your existing audio/video equipment, governing the connection mode between your Display and existing audio/video equipment. Progressive Scan Component Video and Component Video have the highest picture quality but it can only be used if the connected video equipment supports Progressive Scan Component Video or component video. S-Video provides a high signal quality. Composite Video (a yellow Video jack) provides a good video output. Please follow the correct step to connect existing audio/video equipment.

Basic Operation
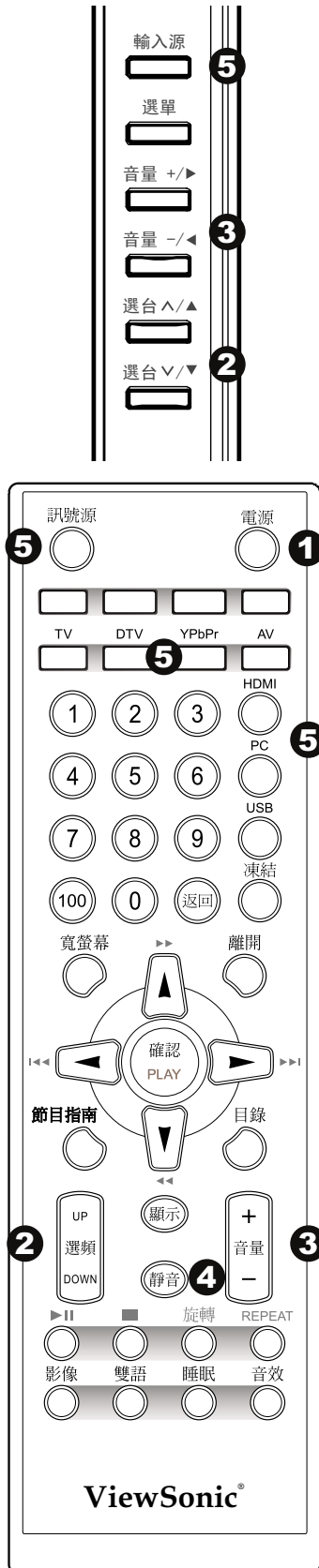
① Turn the LCD Display ON

Press the POWER key to turn on or off the power of the LCD Display. The indicate light is blue as power ON and orange as power OFF.

② Select Channel

Press 選台 ▲▼ or 選頻 ▲▼ key to increase or decrease the channel number.

③ Adjust Volume

Press 音量+/- key to increase (+) or decrease (-) the volume.

④ Mute

Press 靜音 key to disable the audio output.

⑤ Switch the input source

Press 輸入源 or 訊號源 key to list input source.
Press ▲▼ key to choose the input source, select and switch the wanted input source.
Press 確認 PLAY to adjust.

Use the Source Hotkeys to select the input source directly.
Press DTV once for DTV source, press twice to enter digital radio.
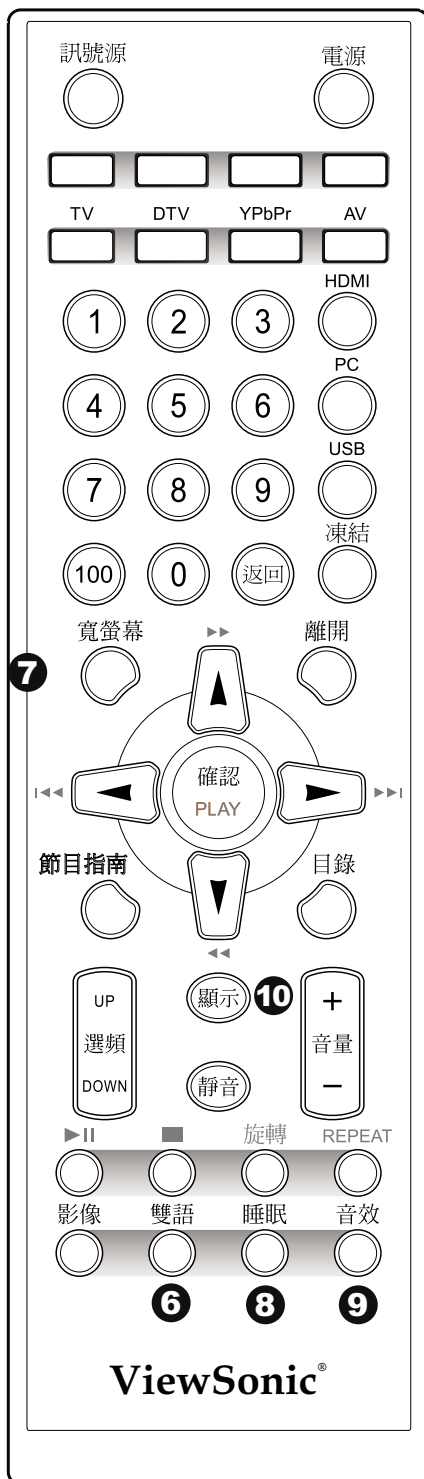
⑥ MTS

Press 雙語 key to switch monaural and stereo modes. This function enable you to receive a second language or unrelated audio.

⑦ WIDE

Press 寬螢幕 key repeatedly to switch the display modes: 16:9, 4:3, Full, Panorama, Crop, Standard.

Only DTV and PC Modes support changes to aspect ratio.

⑧ SLEEP TIMER

Press 睡眠 repeatedly to set the sleep timer from 15 to 60 mins.

⑨ Sound Mode

Press 音效 key repeatedly to select sound mode.

⑩ Display

Press 顯示 key to display channel number (in TV mode) and information of ouput signal.

Using the OSD Menu

The On-Screen Display (OSD) menu system provides a quick and simple method to adjust LCD Display base setting. OSD menu can be viewed using both the remote control and the control buttons on the control panel.
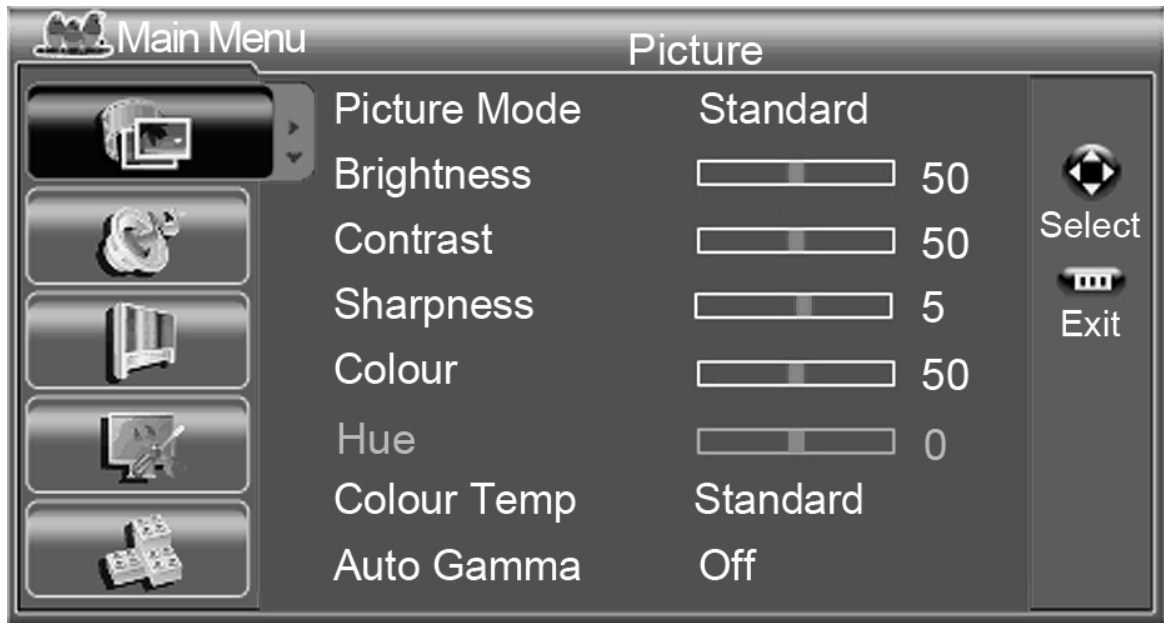
❶ Press 選單 key on the control panel or 目錄 key on the remote control to view OSD menu.

❷ Press ▲▼ key to select the function.

❸ Press ▶ key to enter the sub menu.

❹ Press ▲▼ key to select the item and press ◀▶ to adjust.

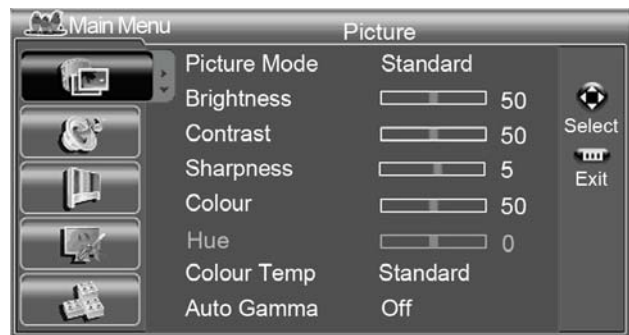❺ Press key on the control panel or key on the remote control to exit OSD menu.

⚠ After change settings on the OSD menu, the new settings are confirmed automatically when OSD picture vanish, even did not press the menu to exit the OSD system.

Picture Adjustment

The Picture adjustment enable you to adjust Brightness, Contrast, Sharpness, Color, Hue, Color Temp, and Dynamic Contrast.
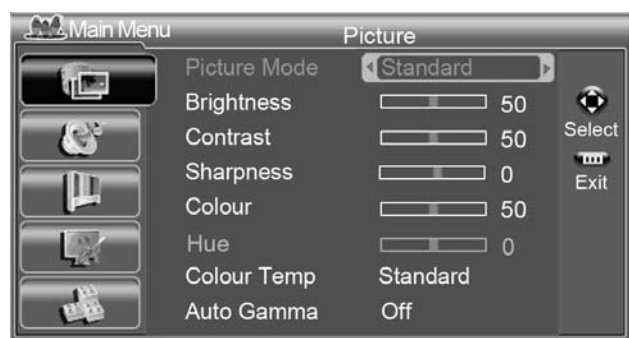
1 Press 選單 key on the control panel or 目錄 key on the remote control to view OSD menu.
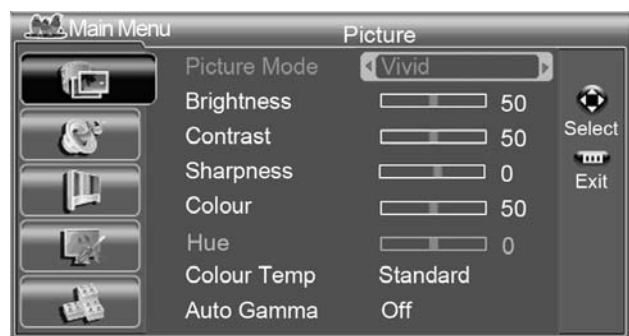
Main Menu	Picture	
	Picture Mode	Standard
	Brightness	50
	Contrast	50
	Sharpness	5
	Colour	50
	Hue	0
	Colour Temp	Standard
	Auto Gamma	Off

Select / Exit

Press ▲▼ key to select [Picture] mode.

2 Press ◄► or +/- key to select (Picture Mode) item.

Main Menu	Picture	
	Picture Mode	◄ Standard ►
	Brightness	50
	Contrast	50
	Sharpness	0
	Colour	50
	Hue	0
	Colour Temp	Standard
	Auto Gamma	Off

Select / Exit

3 Press ◄► or +/- key to select User, Standard, Vivid, Soft.

Main Menu	Picture	
	Picture Mode	◄ Vivid ►
	Brightness	50
	Contrast	50
	Sharpness	0
	Colour	50
	Hue	0
	Colour Temp	Standard
	Auto Gamma	Off

Select / Exit

⚠ In preset Picture Modes, it is allowed to adjust each subpicture-item setting. Press ▲▼ key to select item and press ◄► key or +/- key to adjust setting.

4 Press 選單 key on the control panel or 目錄 key on the remote control to exit OSD menu.

(Brightness) adjustment Adjust the levels of light on your screen. It should be used in conjunction with the contrast option.

(Contrast) adjustment Adjust the difference between the dark and light level on your screen.

(Sharpness) adjustment Adjust the sharpness level on your screen.

(Color) adjustment change the dominant color intensity on your screen. Adjust this setting until the colors on the screen look natural.
(Hue) adjustment Change the color balance. Adjust this setting so that colors on the screen are neither too green or too magenta.

(No support in PC mode)

(Color Temperature) adjustment Adjust the image color intensity:

Standard, Cool, Warm

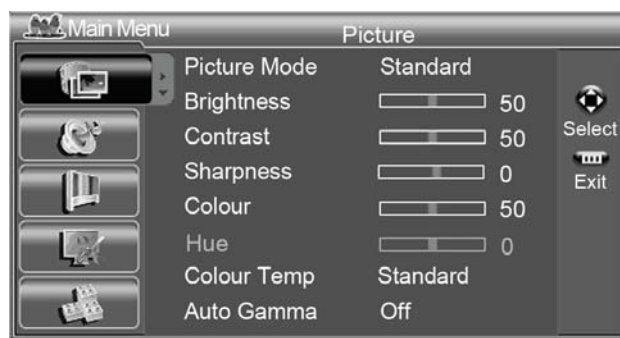(Dynamic Contrast) turn on of off auto contrast adjustment.

(No support in PC mode)

Sound Adjustment

The Sound adjustment enable user to adjust volume, treble, bass, balance, speaker output and surround setting.
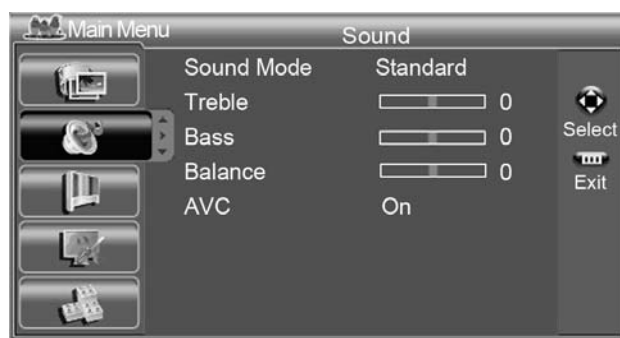
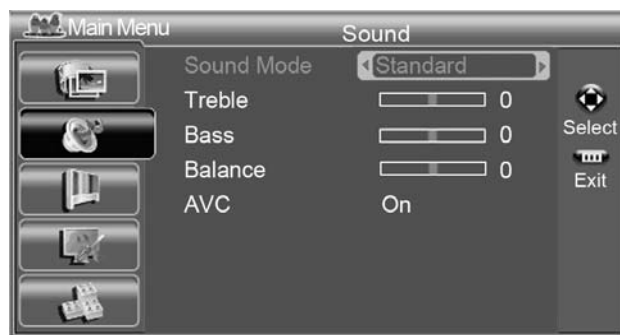**1** Press 選單 key on the control panel or 目錄 key on the remote control to view OSD menu.

2 Press ▲▼ key to select [Sound] mode.
Press ◄► or +/- key to enter sub-menu.

3 Press ◄► key to select (Sound Mode).

⚠ In preset Audio Modes, it is allowed to adjust each subaudio-item setting. Press ▲▼ key to select item and press ◄► key or +/- key to adjust setting.

4 Press ◄► or +/- key to select Standard, Music, Movie, Speech, User.

5 Press 選單 key on the control panel or 目錄 key on the remote control to exit OSD menu.

(Treble) adjustment Adjust the high frequency content in audio output.

(Bass) adjustment Adjust the low frequency content in audio output.

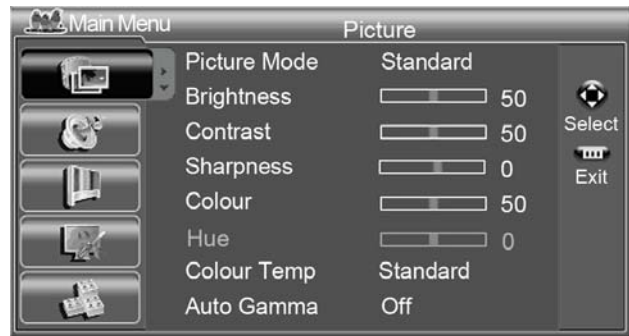(Balance) adjustment Balance the volume of right and left speakers.

(AVC) turn Auto Volume Control On or Off

TV Tuner Adjustment

- The Tuner Adjustment enable user to adjust the setting of tuner function.
- Tuner Adjustment only can be operated in TV mode.

1 Press 選單 key on the control panel or 目錄 key on the remote control to view OSD menu.

Main Menu	Picture	
Picture Mode	Standard	
Brightness	▭▭▭ 50	Select
Contrast	▭▭▭ 50	
Sharpness	▭▭▭ 0	Exit
Colour	▭▭▭ 50	
Hue	▭▭▭ 0	
Colour Temp	Standard	
Auto Gamma	Off	

2 Press ▲▼ key to select [Channel] mode.
Press ◄► or +/- key to enter sub-menu.

Main Menu	Channel	
Channel	8	
CATV/Air	CATV	Select
Auto Search		
Skip	No	Exit

3 Press ▲▼ key to select (Channel).

Press ◄► key to search Channels manually.

Main Menu	Channel	
Channel	◄ 8 ►	
CATV/Air	CATV	Select
Auto Search		
Skip	No	Exit

4 Press ▲▼ key to select (CATV/Air) and press ► to set the channel signal system for Air or Cable.

Main Menu	Channel	
Channel	8	
CATV/Air	◄ CATV ►	Select
Auto Search		
Skip	No	Exit

5 Press ▲▼ key to select (Auto Search) item and press ► to start scaning channels.

Main Menu	Auto Search	
	Channel 2	
		Exit
	55 . 25 MHz	

6 Press ▲▼ key to select (Skip) item and press ► to skip channels where no signal is detected.

Main Menu	Channel	
	Channel 8	
	CATV/Air CATV	Select
	Auto Search	
	Skip ◄ Yes ►	Exit

7 Press 選單 key on the control panel or 目錄 key on the remote control to exit OSD menu.

DTV OSD Functions

The DTV OSD (On-Screen Display) menu present user a consistent look and feel throughout. User can adjust the DTV channel system setting in this menu.

> ⚠️ First time enter DTV OSD, the DTV channel system will be automatically search all channels.

Press 選單 key on the control panel or 目錄 key on the remote control to view OSD menu.

Press ▲▼ key to select [DTV] mode then press ◄► or +/- key to enter sub-menu (make sure the input source is in DTV mode).

DTV OSD MENU includes these main options:

• Channel Management
• Auto Search
• Manual Search
• Time
• Version

DTV Channel Management

 Press ▲▼ key to select (Channel Management).

Press ▶ key to enter the Channel Manager submenu.

DTV Channel Manager

Channel Organizer ▶
Channel Sorting
Channel Grouping
Delete All TV Channels
Delete All Radio Channels

 Press ▲▼ key to select (Channel Organizer).

Press ▶ to enter the Channel Organizer screen.

Select a channel using ▲▼ keys and use the colored buttons on the remote control to organize the listed channels:

• Press [Red] to set the selected channel as a Favorite.
• Press [Green] to Delete the selected channel.
• Press [Yellow] to Skip the selected channel.
• Press [Blue] to enter a password to lock the selected channel.

 Press ▲▼ key to select (Channel Sorting).

Press ▶ to enter the Channel Sorting screen.

Press ◀▶▲▼ and [PLAY] to set your preferences for sorting channels using the three Options provided:

• Sort by Status—All, Free, or Scrambled.
• Sort Alphabetically— All, A to Z, or Z to A.

Select All to display all available channels.

4 Press ▲▼ key to select (Channel Grouping).

Press ► to enter the Channel Grouping screen.

Select a channel using ▲▼ keys and add the channel to groups by pressing the corresponding numeric key on the remote.

For example, select channel 02 and press [2] on the remote to add channel 02 to the News group.

Press [PLAY] to confirm the grouping.

5 Press ▲▼ key to select (Delete All TV Channels) or (Delete All Radio Channels).

Press ► to enter a confirmation message screen.

Press [PLAY] to confirm the Deletion.

6 Press 選單 key on the control panel or 目錄 key on the remote control to exit OSD menu.

DTV Functions

1 Press ▲▼ key to select (Auto Search) item and press ▶ to start scaning channels.
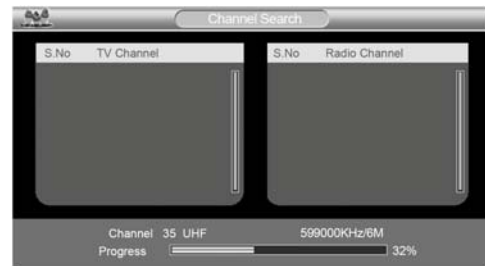
Discovered TV and Radio channels are displayed in the corresponding panels.

Press ▲▼ key to select (Manual Search).

2 Press ▶ key to enter the Manual Search screen.

Press ◀▶ to select a channel to scan. The signal strength and quality are displayed at the bottom of the screen.

Press [PLAY] to add the selected channel to the channel list.

Press ▲▼ key to select (Time).

3 Press ▶ key to enter the Time screen.

Press ◄► to select Auto or Manual:

Auto—automatically adjusts the date and time.

Manual—enter the date and time manually using the Calender screen.

- Press [Red] to set the Year.
- Press [Green] to set the Month.
- Press [Yellow] to set the Day.

Press [PLAY] to confirm.

Enter the Time using ▲▼◄► and press [PLAY] to confirm.

Press ▲▼ key to select (Version).

4

The Version field is display only; you cannot make changes to the Version displayed.

5 Press 選單 key on the control panel or 目錄 key on the remote control to exit OSD menu.

PC Setup

The PC Setup adjustment enable you to adjust PC mode settings: Auto Adjust, H Position, V Position, Phase, and Clock (make sure the input source is in PC mode).
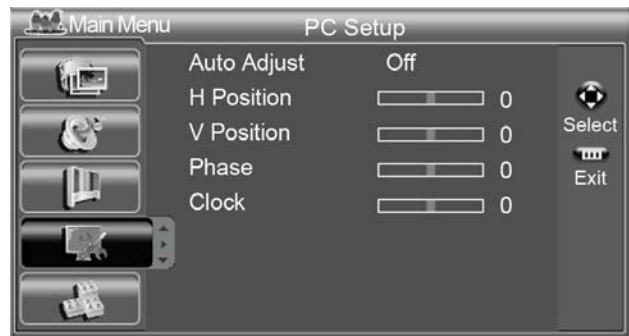
1 Press 選單 key on the control panel or 目錄 key on the remote control to view OSD menu.
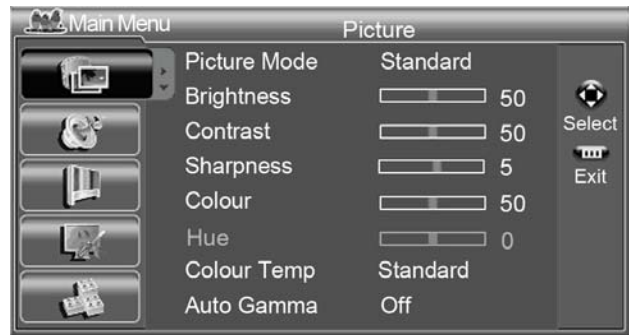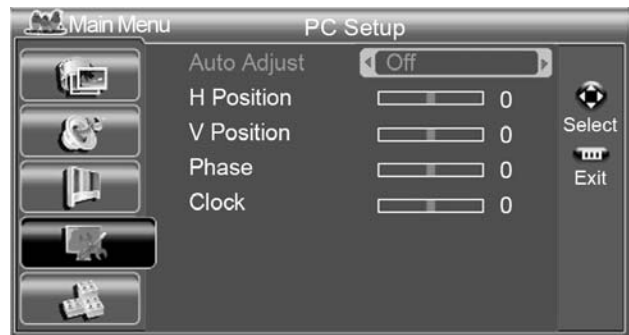

2 Press ▲▼ key to select [PC Setup] mode.
Press ◄► or +/- key to enter sub-menu.

3 Press ▲▼ key to select (Auto Adjust).

Press ► key to auto adjust screen to the best position.

4 Press ▲▼ key to select PC Setup parameters.

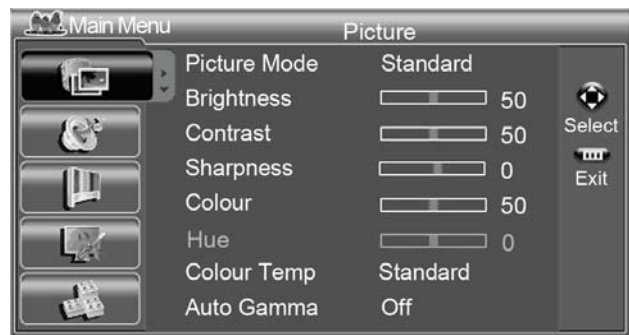Press ◄► key to adjust screen to the best position:

- H Position—adjust the horizontal position of the screen.
- V Position—adjust the vertical position of the screen.
- Phase—adjust phase for the display.
- Clock—adjust the clock frequency of display.

Setup Adjustment

- The setup Adjustment enable you to adjust OSD Language, OSD Time, Aspect, Background, and Backlight.
- User can reset all OSD setting in this option.

1 Press 選單 key on the control panel or 目錄 key on the remote control to view OSD menu.

Main Menu	Picture	
Picture Mode	Standard	
Brightness	☐☐☐ 50	Select
Contrast	☐☐☐ 50	
Sharpness	☐☐☐ 0	Exit
Colour	☐☐☐ 50	
Hue	☐☐☐ 0	
Colour Temp	Standard	
Auto Gamma	Off	

2 Press ▲▼ key to select [Setup] mode.
Press ◄► or +/- key to enter sub-menu.

Main Menu	Setup	
Language	English	
Reset		Select
OSD Time	15 Secs	
Aspect	16 : 9	Exit
Background	On	
Backlight	☐☐☐ 7	

3 Press ▲▼ key to select (Language).

Press ◄► key to select English or Traditional Chinese.

Main Menu	Setup	
Language	◄ English ►	
Reset		Select
OSD Time	15 Secs	
Aspect	16 : 9	Exit
Background	On	
Backlight	☐☐☐ 7	
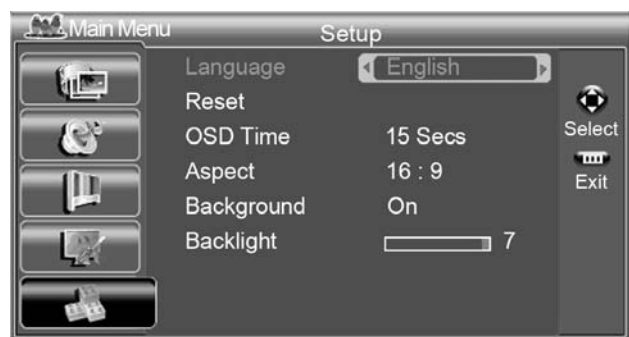
4 Press ▲▼ key to select (Reset).

Press ► key to Restore to the factory original setting. Select Yes and press [PLAY] to confirm.

Reset

Yes   No
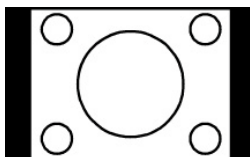
OK Enter

Aspect Ratio

Auto—automatically selects the best aspect ratio for the input source.
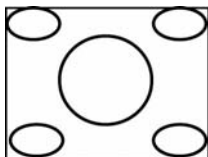
16:9—A wide-screen aspect ratio for video.
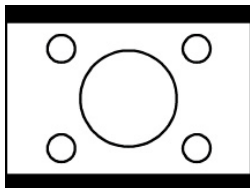
4:3

Standard TV screen (4:3), proportionally four units wide for every three units high, no matter the size of the screen.
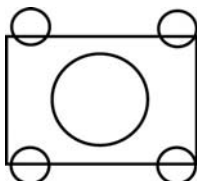

Panorama

Non-linear stretch right and left.
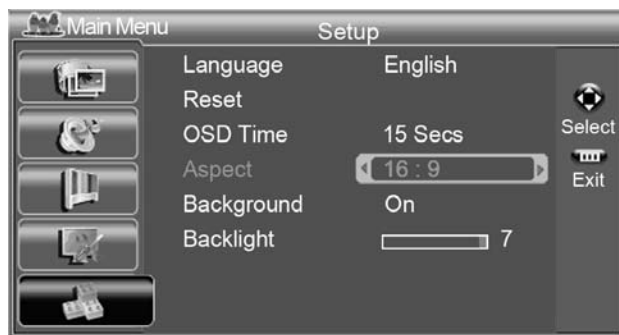

Crop

Vertically expanded, linearly 13%.

5 Press ▲▼ key to select (Aspect).

Press ◀▶ key or +/- to switch image size:

16:9, 4:3, Full, Panorama, Crop, or Standard.

6 Press ▲▼ key to select (Background).

Press ◀▶ key to turn on the optional blue background.

⚠ Only TV Mode supports the Background function.

7 Press ▲▼ key to select (Backlight).

Press ◀▶ key to increase or decrease the brightness of the backlight.

Using a USB Source

Insert a USB key containing valid file formats into the slot on the display and press 輸入源 on the control panel or [USB] on the remote control to select (USB) source.

Supported File Formats

PHOTO	JPEG	File types: *.JPG Compatible File Format: JPEG Baseline (4:4:4/4:2:2/4:2:0) Maximum Resolution: 4992 x 3328 pixels
	BMP	File types: *.BMP Compatible File Format: MS Windows V3.1/4/8/24 uncompressed Bitmap Maximum Resolution: 1440 x 1024 pixels
	GIF	Not supported
VIDEO	MPEG-1 MPEG-2	File Type: *.MPG & *.DAT Compatible File Format: Video is MPEG-1 and MPEG-2; Audio is MP3, layer 1, 2 and 3 MPEG-2 MP@ML ; File type: *.VOB
	MPEG-4	File Type: *.AVI Compatible File Format: Video is MPEG-4; Audio is MP3, Xvid (simple profile type only) and 3ivx (simple profile type only)Video resolution: 480p(SD), 30fps (NTSC), 576p (SD), 25fps (PAL) Doesn't support DivX , M-JPEG
AUDIO	MP3	File types: *.MP3 32 kbit/s, 44.1 KHz; 40 kbit/s, 44.1 KHz; 48 kbit/s, 44.1 KHz; 56 kbit/s, 44.1 KHz; 64 kbit/s, 44.1 KHz; 80 kbit/s, 44.1 KHz; 96 kbit/s, 44.1 KHz; 112 kbit/s, 44.1 KHz; 128 kbit/s, 44.1 KHz; 192 kbit/s, 44.1 KHz; 224 kbit/s, 44.1 KHz; 256 kbit/s, 44.1 KHz; 320 kbit/s, 44.1 KHz
	WAV	File types: *.WAV
	WMA, AC3	Not supported
	Other	Photo + Background Music mode not supported
Device	USB host 2.0 is compatible with USB 1.1	
	Doesn't support USB card reader, USB Hub, USB 2.0 OTG (On The Go)	
File System	Support FAT, FAT32 file-system	
	Can be divided up to four partition	
	Maximum file size is restricted to 4 GB in the FAT and FAT32 file-system	
	Maximum partition size is restricted to 4 GB in the FAT file system	
	Maximum partition size is restricted to 2 GB in the FAT32 file system	

Select a media type using the colored buttons on the remote control:

- Press [Red] to play Movie files.
- Press [Green] to play Music files.
- Press [Yellow] to view Photo files.

> ⚠️ Although all media formats are shown in all media modes, only media associated with the selected mode can be played. For example, Music files such as .MP3s cannot be played in Movie mode.

Press the ▲▼ keys to move between folders and files on the current screen and ◄► to select items.

Press ► to play the selected media.

Program Guide

Press [GUIDE] key on the remote control and wait for few seconds, LCD Display will show the program guide subpage.

The Program Guide can be devided into 6 parts:

1. Date and time: Show the current date and time by day/month/year(DD/MM/YYYY).

2. Time range: EPG can show program list within 2 hour range. Current program will be shown in the first block.

3. Channel menu: Shows all channel name .

4. Program List: Descend the manifestation program name in time zone according to the program length.

5. Program time and name: Display the program time and full name.

6. Program account: This block will present more detail information if any.

The following keys are relevant to the operation:

▲▼◄► keys: browse the programs

確認/PLAY key: select and change the program

▲ 選頻 ▼ key: page up or down

Other Information

Toubleshooting

No power

- Make sure the Display and the power cord are connected correctly.
- Check if you pressed POWER on the remote control unit. If the indicator in the front panel is red, press POWER in the remote control or the front control panel.

No picture

- Connect to local CATV system equipment, and make sure the signal is unlocked.
- Make sure the Display and the Audio/Video signal input devices are connected correctly.
- In PC/HDMI Mode, after 15 seconds no signal input that screen will auto off.

Strange color, light color, or color misalignment

- Is the room too bright? The picture may look dark in a room that is too bright.
- Check the input signal setting.

No sound

- Make sure the Mute function is not operated.
- When signal passed by the HDMI distribution amplifier, that may result in this situation.

Remote control unit does not operate

- Check if the batteries are inserted with the polarity(+,-)correctly aligned.
- Check if the batteries are discharged. Please replace with new batteries.
- Make sure that you do not use the remote control under strong or fluorescent lighting.
- Check if there is a fluorescent light illuminated near the remote control sensor.
- The path of the remote control beam may be blocked; please make sure the path is clear and that remote control is aimed at the remote control sensor in the Display.

Power is cut off suddenly

- Check if the off timer or sleep timer are set.
- The unit's internal temperature has increased. Remove any objects blocking the vents and clean them to remove dust.

Picture is cut off /with side bar screen

- Check if the image position is correct.
- Check if the screen mode adjustments such as picture size are made correctly.

LCD Display does not operate

External influences such as lightning or static electricity may cause improper operation. In this case, operate the unit after first turning on the power, or plugging the AC cord and plugging it in again after 1 to 2 minutes.

Customer Support

For technical support or product service, see the table below or contact your reseller.

⚠ You will need the product serial number.

Country/Region	Website	T=Telephone F= Fax	E-mail
Taiwan	www.viewsonic.com.tw	T=886 2 2246 3456 F=886 2 2249 1751 Toll Free=0800 061 198	service@tw.viewsonic.com
Hong Kong	www.hk.viewsonic.com/support/	T= 852 3102 2900	service@hk.viewsonic.com

Limited Warranty
VIEWSONIC® LCD Display

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 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, 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 (please refer to Customer Support page). 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 outside 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 providedcan be found in www.viewsoniceurope.com under Support/Warranty Information.