

ViewSonic®



CDE6501LED **LED Display** **User Guide**

IMPORTANT: Please read this User Guide to obtain important information on installing and using your product in a safe manner, as well as registering your product for future service. Warranty information contained in this User Guide will describe your limited coverage from ViewSonic Corporation, which is also found on our web site at <http://www.viewsonic.com> in English, or in specific languages using the Regional selection box in the upper right corner of our website. "Antes de operar su equipo lea cu idadosamente las instrucciones en este manual"

Model No. VS15026

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Compliance Information

FCC Statement

This device complies with part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

Following information is only for EU-member states:

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

The mark indicates the requirement NOT to dispose of 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.



Copyright Information

Copyright © ViewSonic® Corporation, 2012. All rights reserved.

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Disclaimer: ViewSonic Corporation shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from furnishing this material, or the performance or use of this product.

In the interest of continuing product improvement, ViewSonic Corporation reserves the right to change product specifications without notice. Information in this document may change without notice.

No part of this document may be copied, reproduced, or transmitted by any means, for any purpose without prior written permission from ViewSonic Corporation.

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:	CDE6501LED ViewSonic LED Display
Model Number:	VS15026
Document Number:	CDE6501LED_UG_ENG Rev. 1A 09-10-12
Serial Number:	_____
Purchase Date:	_____

Product disposal at end of product life

ViewSonic respects the environment and is committed to working and living green. Thank you for being part of Smarter, Greener Computing. Please visit ViewSonic website to learn more.



USA & Canada: <http://www.viewsonic.com/company/green/recycle-program/>

Europe: <http://www.viewsoniceurope.com/uk/support/recycling-information/>

Taiwan: <http://recycle.epa.gov.tw/recycle/index2.aspx>

Important Information

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p>CAUTION -To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.</p>		



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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

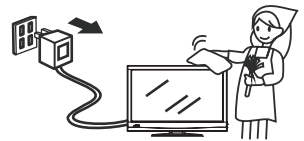
Important Safety Precautions

Electrical energy can perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. But **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. To ensure your safety and prolong the service life of your product, please read the following precautions carefully before using the product.

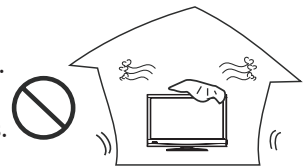
- 1. Read these instructions** --- All operating instructions must be read and understood before the product is operated.
- 2. Keep these instructions** --- These safety and operating instructions must be kept in a safe place for future reference.
- 3. Heed all warnings** --- All warnings on the product and in the instructions must be observed closely.
- 4. Follow all instructions** --- All operating instructions must be followed.
- 5. Do not use this apparatus 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 high temperature environment, as this causes condensation, which may result in fire, electric shock, or other hazards. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



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

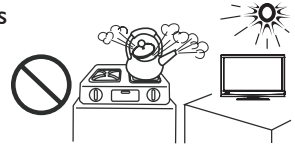


- 7. Ventilation** --- Do not block any ventilation openings. Install in accordance with the manufacturer instructions. The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product 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.



Important Safety Precautions (Continued)

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



- 9. Grounding or Polarization** --- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- 10. Power cord protection** --- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

NOTE: where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

- 11. Attachments** --- Only use attachments/accessories specified by the manufacturer. Do not use attachments not recommended by the manufacturer. Use of improper attachments can result in accidents.

- 12. Stand** --- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. 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. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.

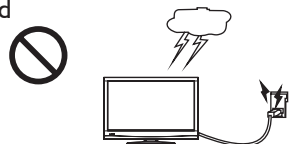


- 13. Move carefully** --- When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. Sudden stops, excessive force and uneven floor surfaces can cause the product to fall from the trolley.

Never attempt to move the Display unless the AC power cord has been disconnected.



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



Important Safety Precautions (Continued)

- 15. Servicing** --- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 16. 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.
- 17. 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.
- 18. Entering of objects and liquids** --- Never insert 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 internal parts. For the same reason, do not spill water or liquid on the product.
- 19. 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.
- 20. 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.
- 21. Wall or ceiling mounting** --- When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer. This is a safety feature.
- Note: Before mounting the product on the wall or ceiling, connect the cables between the corresponding jacks on the product and the external device first.

Important Safety Precautions (Continued)

22. Power source --- This product is intended to be supplied by a listed power supply indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. 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 cable system. This will prevent damage to the product due to lightning and power line surges. When the Display has to be used with another power supply voltage, the power cable must be changed. Consult your product dealer. The socket outlet should be installed near the equipment and easily accessible. Use only the power cord designated by our dealer to ensure safety and EMC. When connecting other products such as VCRs and personal computers, you should turn off the power of the Display for protection against electric shock.

23. Panel protection --- The display panel used in this product is made of glass. Therefore, it can break when the product is dropped or impacted upon by other objects. Be careful not to be injured by broken glass pieces in case the display panel breaks.



24. Pixel defect --- The display panel is a very 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.

WARNING:

- For continued safety, apparatus with class I construction shall be connected to a mains socket outlet with a protective earthing connection.
- To prevent the spread of fire, keep candles or other open flames away from this product at all times.

Important Notice

About Location/ Environment

Do not use in hot and cold rooms (locations)

- When the Display is used in rooms (locations) with low temperature, the picture may leave trails or appear slightly delayed. This is not a malfunction, and the Display will recover when the temperature returns to normal.
 - Do not leave the Display in a hot or cold location. Also, do not leave the Display in a location exposed to direct sunlight or near a heater, or in high humidity, as this may cause the cabinet to deform and the screen to malfunction, and affect the Display's performance .
 - **Environment condition:**
 - Operating temperature: 5°C – 35°C
 - Operating humidity: 20 – 80 % (no moisture condensation)
 - Storage temperature: 0°C – 45°C
 - Storage humidity: 10 – 80 %
 - Atmospheric pressure: 86 kPa ~106 kPa
-

About After-Image

The extended use of fixed image programme material can cause a permanent after-image on the screen.

This background image is viewable on normal programs in the form of a stationary fixed image. This type of irreversible screen deterioration can be limited by observing the following steps:

- A. Reduce the brightness/contrast setting to a minimum viewing level.
- B. Do not display the fixed image for extended periods of time.
- C. Turn the power off when not in actual use.

Important Information Regarding Use of Video Games, Computers, Captions or Other Fixed Image Displays.

- Do not allow a still picture to be displayed for an extended period, as this can cause a permanent afterimage to remain on the screen. Examples of still pictures include logos, video games, computer images and images displayed in 4:3 mode.

CAUTIONS:

- The permanent after-image on the screen resulting from fixed image use is not an operating defect and as such is not covered by the warranty.
- This product is not designed to display fixed images for extended periods of time.

Important Notice (Continued)

Cleaning and Maintenance

To clean this Display, wipe with a soft, dry cloth.

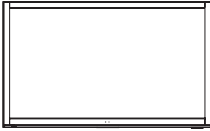
If the surfaces are extremely dirty, use a soft cloth dipped in a soap and water solution or a weak detergent solution.

- Use eyeglass cleaner to remove stubborn dirt from the screen.
- Never use alcohol, paint thinner or benzine to clean this Display.
- Before using a chemically treated cloth, read the instructions that came with the cloth carefully.

Getting Started

Package contents

1. The Display



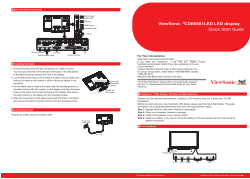
2. Remote control and two AAA batteries



3. User Guide



4. Quick Setup Guide



5. Stand



Getting Started (Continued)

Installing the stand

If the stand is provided, please read these instructions thoroughly before attempting this installation.

You must install your Display into the stand in order for it to stand upright on a cabinet or other flat surface. If you intend to mount your Display on a wall or other vertical surface, you must remove the stand column.

Cautions:

- Make sure that you handle your Display very carefully when attempting assembly or removal of the stand. If you are not sure of your ability to do this, or of your ability to use the tools necessary to complete this job, refer to a professional installer or service personnel. The manufacturer is not responsible for any damages or injuries that occur due to mishandling or improper assembly.
- When using a table or bench as an aid to assembly, make sure that you put down a soft cushion or covering to prevent accidental scratching or damage to your Display's finish.
- The speaker is not intended to support the weight of your Display. Do not move or handle your Display by the speaker. This can cause damage to your Display that is not covered by the manufacturer's warranty.
- Before attempting assembly or removal of the stand, unplug the AC power cord.

To install the stand:

1. Remove the stand from the box and place it on a table or bench.

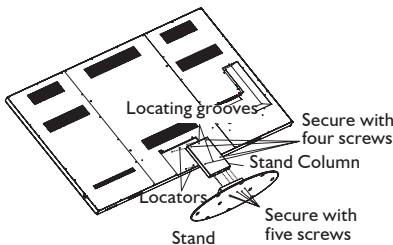
You must pay attention to the direction of the stand. The wide portion of the stand should go towards the front of the Display.

2. Lay your Display flat (screen down) on the edge of a table or bench. Make sure that you put down a soft cushion or cloth so that your Display is not scratched.
3. Put the stand column close to the back of the Display, align the locating grooves on the stand column with the Locators on the Display, and align the screw holes on the stand column with the holes on the Display, then secure the stand column to the Display with four provided screws.
4. Align the screw holes on the stand column with the holes in the stand, then secure the stand to the Stand column with five provided screws.

After stand installation, if you find the stand is not stable horizontally, please do the following:

Place the Display face-down on a cushioned surface, loosen the four screws securing the set to its stand column (note that only loosen a little, not detach the screws), then tilt the column toward lower position, then tighten these screws again.

- Note:**
1. The appearance of this product in these illustrations may differ from your actual product, and is for comparative purposes only.
 2. We may change the design and specifications without notice.



Getting Started (Continued)

Preventing the Display from toppling over

There is a chance that the Display may topple over in the event of an earthquake or child climbing, etc. Take measures to prevent it from toppling over for safety's sake. For example, secure the Display to the wall or pillar as shown at below figures.

Fig.1

Secure the Display to the wall by string, etc.

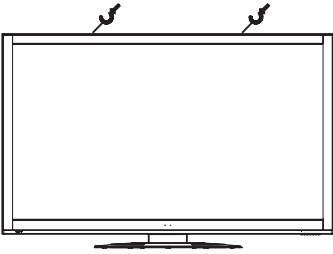
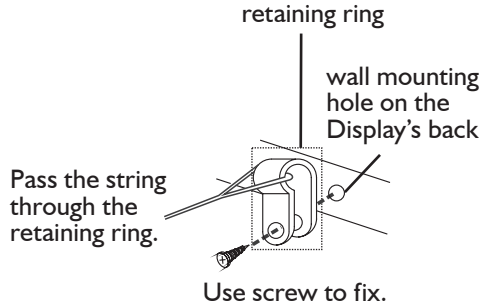


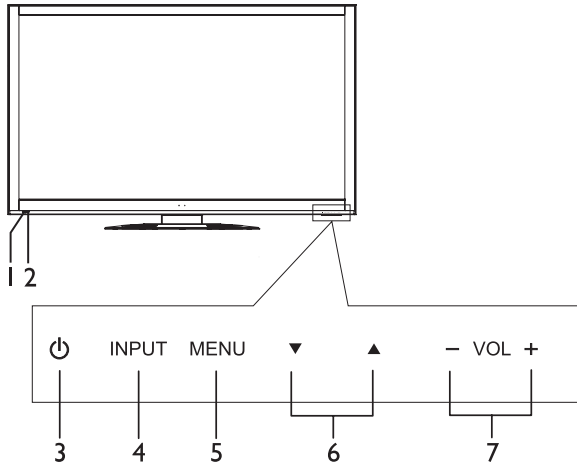
Fig.2



Note: The parts such as string, retaining ring, screws used to secure the Display to the wall or pillar are not provided. You may purchase them from sales store. The parts may differ from actual ones, and are for comparative purposes only.

Getting Started (Continued)

Front view of the Display



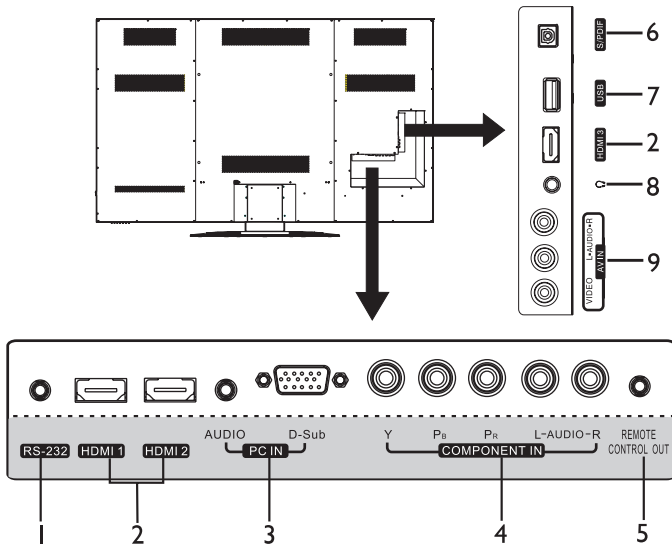
Item	Description
1. Remote Sensor	Receives signals from the remote control. Do not block.
2. Indicator	Lights blue when your Display is turned on. Lights red when your Display is in standby mode. Off when power cord is unplugged.
3. Power	Press to turn the Display ON from STANDBY mode. Press it again to turn the set back to STANDBY.
4. INPUT	Press to access Input Source menu.
5. MENU	Press to open the MENU main page; In OSD menu, press to return to the previous menu or close the menu.
6.	In menu operations, these buttons serve as down/up buttons.
7. VOL -/+	Press the VOL+ or VOL- button to directly increase or decrease the sound volume level; In menu operations, these buttons serve as right/left buttons.

Note:

1. Functions of **POWER** , **INPUT**, **MENU**, / and **VOL+/-** are also provided to the remote control. This operation manual provides a description based on operating functions with the remote control.
2. Buttons on the Display are touch buttons. First touch of the button will illuminate it. Second touch will fulfill its function. **Ensure that the button is pressed quickly before the illumination disappears. It is suggested to push the center of the sensor, otherwise the operation may not be fulfilled successfully.**

Getting Started (Continued)

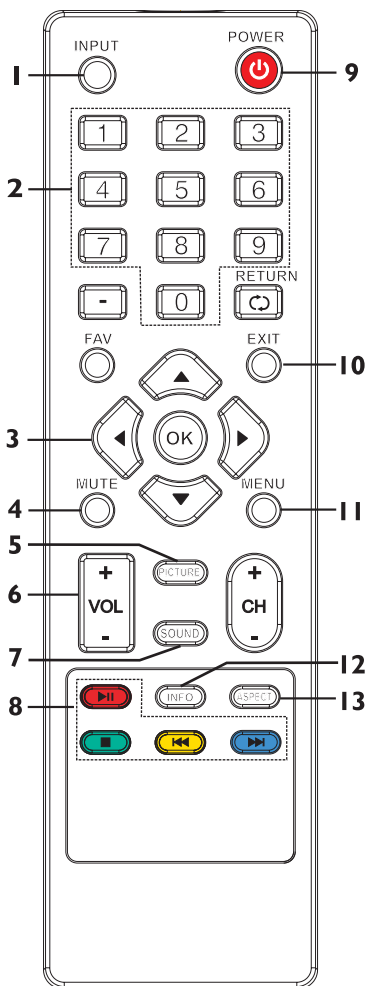
Back view of the Display



Item	Description
1. RS-232 interface	For service use . The user cannot operate the Display through this terminal.
2. HDMI1/2/3 interface	To connect with those equipments with HDMI or DVI interface, for example, Set-top box or DVD player. (A HDMI-to-DVI adapter cable is required when you are connecting a DVI-equipped device to this Display.)
3. PC input	Connect to the D-Sub/AUDIO output jack on your computer.
4. COMPONENT inputs	Connect to the audio and component output jacks of a DVD player or Set-Top Box.
5. Remote Control Out	IR pass through.
6. S/PDIF digital audio out terminal	Connect to the digital audio input of a digital audio component.
7. USB port	Connect a USB device to this port.
8. Headphone jack	Connect to your headphones.
9. AV inputs (Video,Audio L, R)	Receive video/audio signal from external sources such as VCR or DVD player.

Getting Started (Continued)

Remote control



Button	Description
1. INPUT	Displays Input Source menu.
2. 0 – 9 number buttons	Press to input password.
3. ▲ / ▼ / ◀ / ▶ / OK	Press the arrows to navigate through the menus or adjust an item. Press OK to confirm a selection or enter a sub-menu.
4. MUTE	Mutes the sound.
5. PICTURE	Selects picture mode.
6. VOL +/-	Increases or decreases the volume.
7. SOUND	Selects sound mode
8. USB control buttons	▶ : Play / pause button. ■ : Stop button. ◀◀ : Plays the previous. ▶▶ : Plays the next.
9. Power	Switches the Display power on or Standby.
10. EXIT	Exits the menu screen.
11. MENU	Open the main menu or return to the previous menu.
12. INFO	Displays the information banner.
13. ASPECT	Selects the screen size.

Note:

Those buttons which are not described above have no function in this model.

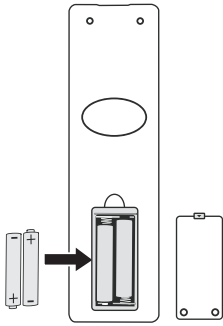
Getting Started (Continued)

Selecting a location You should select a location for the Display:

- Where direct light does not reflect on the screen.
- That has indirect and soft lighting.
- Where the Display has access to a power outlet.

Note: Watching in total darkness or with a reflection on the screen may cause eyestrain.

Installing remote control batteries



To install remote control batteries:

- 1 Open the battery cover.
- 2 Insert two AAA batteries into the battery compartment. Make sure that the + and – symbols on the batteries match the + and – symbols in the battery compartment.
- 3 Replace the cover.

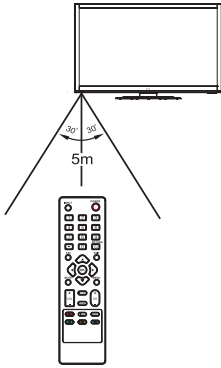
Battery precautions:

Improper use of batteries can result in a leakage of chemicals and/or explosion. Be sure to follow the instructions below.

- Place batteries with their terminals corresponding to the (+) and (–) indications.
- Different types of batteries have different characteristics. Do not mix batteries of different types.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries and/or cause old batteries to leak chemicals.
- Remove batteries as soon as they are non-operable. Chemicals that leak from batteries can cause a rash. If chemical leakage is found, wipe with a cloth.
- Dispose of batteries in a proper manner.
- If the remote control is not used for an extended period of time, remove the batteries.
- The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Getting Started (Continued)

Aiming the remote control



Use the remote control by pointing it towards the remote sensor on the front of your Display. Objects between the remote control and the remote sensor may prevent proper operation.

Cautions regarding use of remote control

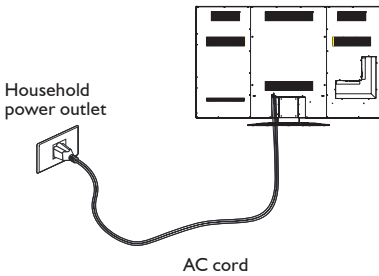
- Do not expose the remote control to shock. In addition, do not expose the remote control to liquids, and do not place in an area with high humidity.
- Do not install or place the remote control under direct sunlight. The heat may cause deformation of the Display.
- The remote control may not work properly if the remote sensor window of the main Display is under direct sunlight or strong lighting. In such a case, change the angle of the lighting or the set, or operate the remote control closer to the remote sensor window.

Connections

Cautions Before Connecting

- When connecting an external device to the Display, make sure that the Display and the device are turned off.
- Check the plugs on the ends of cables to make sure that they are the correct type before you try plugging them into jacks on the Display.
- Make sure that all plugs are securely inserted into the jacks. Loose connections can result in image or color problems.
- The illustration of the external device may be different depending on your model.
- Refer to the operating manual of the external device as well.

Connecting power

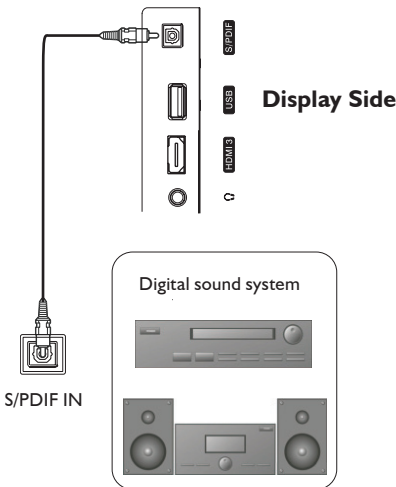


Plug the AC power cord into a power outlet.

Note:

- *This Display should be operated only from the type of power source indicated on the marking label.*
- *Always unplug the AC cord from power outlet when not using for a long period of time.*
- *This illustration is for reference only. The AC plug may be different on different models.*

Connecting digital sound system



For a full Home Theater sound experience, you must connect your digital sound system to the S/PDIF OUT jack on the Display.

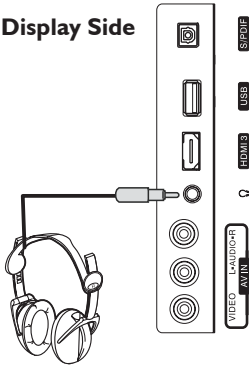
To connect a home theater system using a digital audio cable:

Connect one end of a digital audio cable to the **S/PDIF** jack on the Display. Connect the other end of the digital audio cable to the **S/PDIF** jack on the digital audio system.

Connections (Continued)

Connecting Headphones

Display Side



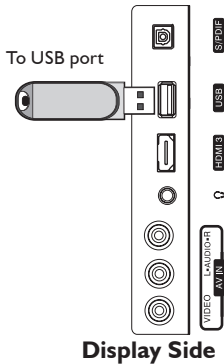
Headphones

To connect headphones:

Insert the plug of the headphone into the Display's Headphone jack.

When using headphones, adjust the headphone volume so as to avoid excessive levels as hearing damage may result

Connecting a USB storage device



Display Side

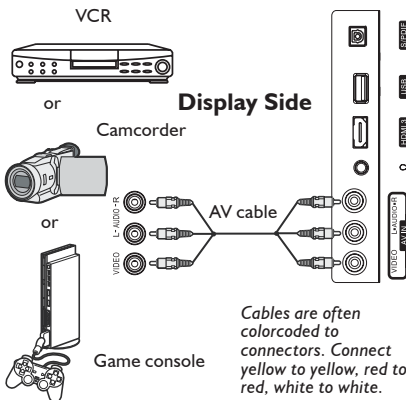
Insert your USB device into the USB port

To play from the USB device:

1. Turn on your Display, then press **INPUT** button. The **Input Source** menu opens
2. Press **▲** or **▼** to select **USB**, then press **OK** to confirm.

Never remove the USB device or turn off the Display while using the USB device.

Connecting AV device (for playback)



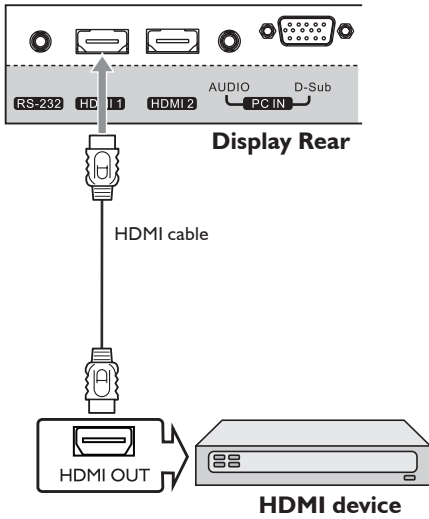
To connect an AV device (such as VCR, camcorder, or game console):

Connect the Audio/Video cables between the Audio (L/R)/Video jacks on the Display and AV device.

1. Turn on your Display, then press **INPUT** button. The **Input Source** menu opens.
2. Press **▲** or **▼** to select **AV**, then press **OK** to confirm.
3. Turn on your AV device, insert a videotape and press the **Play** button.

Connections (Continued)

Connecting HDMI device



How to connect an HDMI device:

Connect the HDMI cable between the HDMI jack on the Display (HDMI1 and HDMI2 located at the rear, while HDMI3 at the side) and HDMI output jack on the device.

Note: If your device has an HDMI connection, we recommend you use that to get the best quality possible

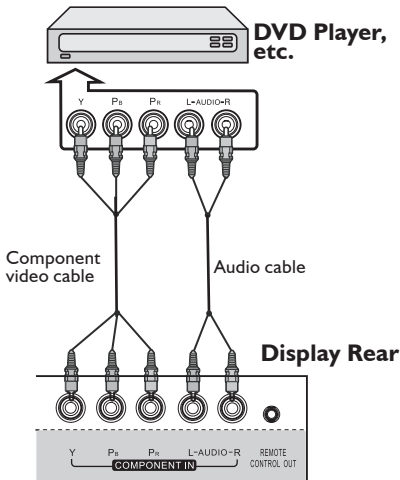
To play from the HDMI device:

1. Turn on your Display, then press **INPUT** button. The **Input Source** menu opens.
2. Press **▲** or **▼** to select **HDMI1** or **HDMI2** or **HDMI3** correspondingly, then press **OK** to confirm.
3. Turn on the HDMI device and set it to the correct mode. Refer to the instructions that came with the HDMI device.

Note:

If the external device has DVI output only, use a DVI to HDMI adapter cable to connect to the HDMI terminal. Connect the audio cable to the PC IN AUDIO jack on the Display rear.

Connecting component Video device



Component cables often have red, green, and blue color-coded video connectors and red and white audio connectors. Match the colors when making connections.

To connect a component video device:

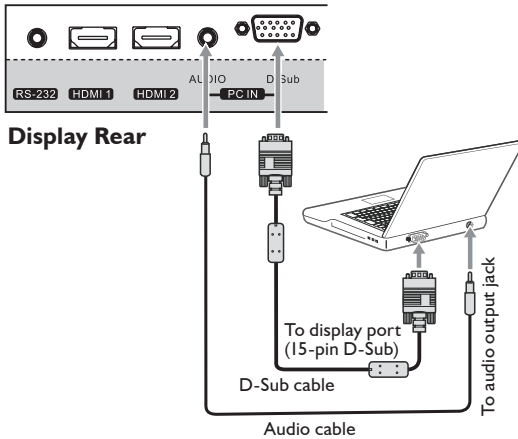
Connect the Component Video cable between the Y, PB, PR input jacks on the Display and Y, PB, PR output jacks on the device. Connect the Audio cable between the AUDIO input jacks on the Display and AUDIO output jacks on the device.

To play from the component video device:

1. Turn on your Display, then press **INPUT** button. The **Input Source** menu opens.
2. Press **▲** or **▼** to select **Component**, then press **OK** to confirm.
3. Turn on your external device and set it to the correct mode. See the device's user guide for more information.

Connections (Continued)

Connecting computer



Note: Some computers have an HDMI jack. You can use an HDMI cable to connect the computer for a better picture.

To connect a computer:

Connect a D-SUB(VGA) cable between the D-Sub jack on the computer and the D-Sub input jack on the Display.



Connect an Audio cable between the AUDIO output on the computer and AUDIO input jack on the Display

To play video from the computer:

1. Turn on your Display, then press **INPUT** button. The **Input Source** menu opens.
2. Press **▲** or **▼** to select **D-SUB**, then press **OK** to confirm.
3. Turn on your computer, and adjust the Display properties as required.

Basic Operations

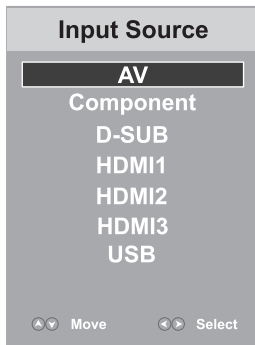
Turning the Display on or off

- 1 Make sure that the power cord is connected to a power outlet.
- 2 Now the Display is in standby mode. **Wait some seconds** until the power indicator lights up, then press **POWER**  to turn on your Display. (Be sure to wait some seconds before pressing POWER button. If you promptly press POWER button then the Display may not respond or act wrongly.)
- 3 Press  button again to turn off your Display. Your Display enters standby mode.

Warning: When the Display is in standby mode, power is still flowing into the Display. For the sake of energy saving and safety issue, please disconnect the power cord to completely cut off the power. After you turn off the Display, you should wait some seconds before you turn it on again.

Note: If the Display does not receive a broadcast signal for several minutes, the Display goes into standby mode

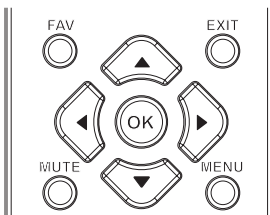
Selecting the input source



To select the input source:

- 1 Press **INPUT** button. The **Input Source** list appears.
- 2 Press **▲** or **▼** to select the input source, then press **OK** or **◀/▶** to confirm your choice. The Display switches to the selected source.

Using the OSD menu



To operate the OSD (on-screen display) menu:

- Press **MENU** to call up the OSD main menu.
- The screen will now display **PICTURE** menu.
- Press **▲** or **▼** one or more times to select menu, press **▼** to access.
- **PICTURE, SOUND, TIME, OPTION, LOCK** menu can be selected.
- From the menu, press **▲ ▼ ◀ ▶** to navigate or adjust. Press **OK** to confirm an entry or selection.
- To return to previous menu, press **MENU**.
- To close the menu, press **EXIT**.

Basic Operations (Continued)

On-screen menu overview

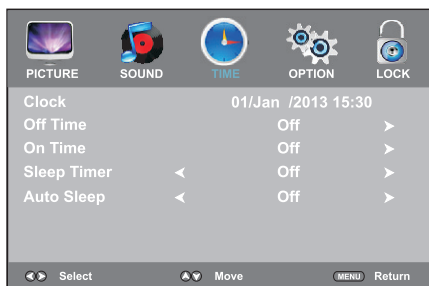
PICTURE menu



SOUND menu



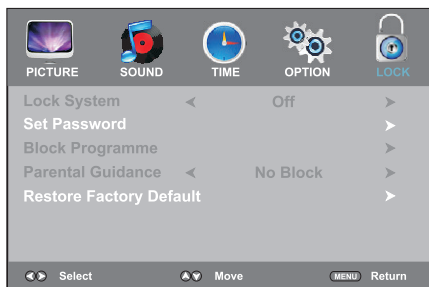
TIME menu



OPTION menu



LOCK menu



Note:

- Depending on the signal tuned, you may see different menu options on your screen.
- Menu items that are not selectable are grayed out.
- The illustrations and on-screen displays in this manual are for explanation purposes (some are enlarged, others cropped) and may vary slightly from the actual ones.

Adjusting the volume

- Press the **VOL+/-** to increase or decrease the volume.
- Press the **MUTE** button to temporarily turn off the sound. To restore the sound, press the **MUTE** button again.

Adjusting the Picture

Adjusting the picture



To adjust the picture:

- 1 Press **MENU**. The on-screen menu opens with the **PICTURE** menu displayed, then press **▼** to access
- 2 Press **▲▼** to highlight an option, press **◀▶** to adjust the option; If a sub-menu exists, press **▶** or **OK** to access. You can select:

- **Picture Mode** — Selects the picture mode. You can select:
 - . Dynamic (a bright and vivid picture)
 - . Standard (a standard picture)
 - . Soft (a soft picture)
 - . User (user customized picture).

Note: You can also press **PICTURE** on the remote control to select the picture mode.

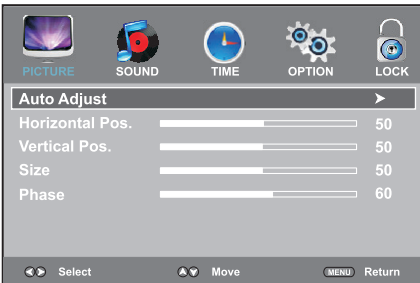
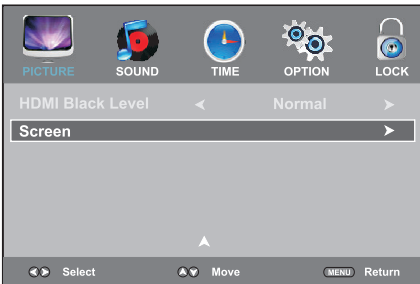
- **Contrast** — Adjusts the contrast.
- **Brightness** — Adjusts the brightness.
- **Colour** — Adjusts the colour saturation.
- **Sharpness** — Adjusts the sharpness.
- **Tint** — Adjusts the image tint. (Only for NTSC system)
- **Backlight** — Sets the overall brilliance of the screen.
- **Colour Temperature** — Selects the colour temperature. You can select **Warm** (to enhance the reds), **Cool** (to enhance the blues), or **Normal**.
- **Aspect Ratio** — Selects the aspect ratio of the picture. You can select:
 - . **16:9** — Shows a full-screen picture in 16:9 mode.
 - . **4:3** — Shows picture in 4:3 display mode. (Recommended not let the Display remain in this mode for extended period of time as to protect the screen.)
 - . **Auto** — Selects the correct aspect ratio automatically. (**Note:** In Component mode, due to technology limited, for 480i/p,576i/p “16:9” signal, please select “16:9” aspect ratio manually)
 - . **Zoom1** — Enlarges the picture vertically. The top and bottom may be cropped.
 - . **Zoom2** — Enlarges picture both horizontally and vertically. The edges may be cropped.
 - . **1:1 pixel mapping** (D-SUB, HDMI, Component only) — Displays an input source without scaling it (This option is available when native resolution is 1920x1080 and input resolution is 1920 x 1080p)

Note: You can also press **ASPECT** to select the aspect ratio.

Adjusting the Picture (Continued)

- **Noise Reduction** — Selects the noise reduction mode to reduce picture noise (snow). You can select **Low**, **Middle**, **High**, or **Off**.
- **Overscan** (D-SUB, HDMI only) — Turn this **On** to adjust the picture's reproduction rate (available when the input signal is in video format).
- **Adaptive Contrast** — Turn this **On** to optimize the picture display for a more vivid image.
- **HDMI Black Level** (HDMI only) — Selects the black level on the screen. Select **Low** for darker screen, **Normal** for brighter screen. (Available when RGB signal is input through HDMI jack).
- **Screen** (D-SUB only) — Adjusts the computer image.

Adjusting the computer image



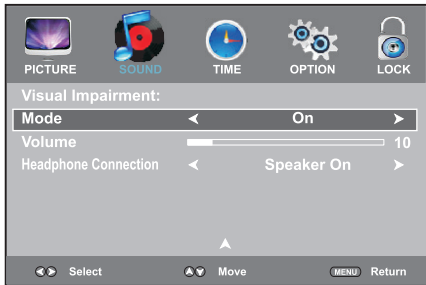
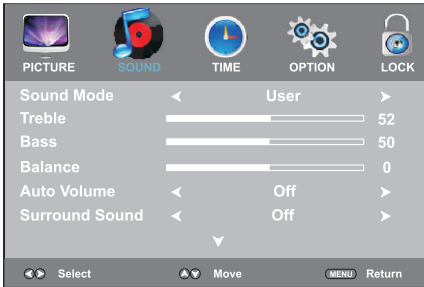
Before adjusting the screen, make sure that you select the correct source (D-SUB).

To adjust the computer image:

- 1 Press **MENU**. The on-screen menu opens with **PICTURE** menu displayed.
- 2 Press **▲** or **▼** repeatedly to scroll the menu page until you select the **Screen** item, then press **▶** or **OK** to access.
- 3 Press **▼** or **▲** to highlight an option, press **◀** or **▶** to adjust the level, or press **OK** to confirm. You can select:
 - **Auto Adjust** — Automatically adjusts the image settings such as position and phase.
 - **Horizontal Pos.** — Moves the image right or left.
 - **Vertical Pos.** — Moves the image up or down.
 - **Size** — Adjust the horizontal width of the image on the screen.
 - **Phase** — Adjusts the focus of stable images.
- 4 To close the menu, press **EXIT** button.

Adjusting the Sound

Adjusting the sound



To adjust the sound:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to select **SOUND** menu, press **▼** to access.
- 3 Press **▼** or **▲** to highlight an option, press **◀** or **▶** to adjust the option. You can select:

- **Sound Mode** — Selects the sound mode. You can select:
 - **Standard** (for normal programs)
 - **Music** (for musical programs)
 - **Movie** (for movies)
 - **Sports** (for sports programs)
 - **User** (for user setting sound mode).

Note: You can also press **SOUND** on the remote control to select the sound mode.

- **Treble** — Adjusts Treble (high sounds).
- **Bass** — Adjusts Bass (low sounds).

- **Balance** — Adjusts the balance between the left and right audio channels.
- **Auto Volume** — Turns **On** to equalize the overall volume levels for all channels.
- **Surround Sound** — Turns the Surround sound effect on or off.
- **Visual Impairment** — Sets the mix of visually impaired audio with regular audio. When available, visually impaired audio includes audio descriptions of on-screen action. Enable this by setting **Mode** to **On**, also you can adjust the volume from this menu.
- **Headphone Connection** — Selects **Speaker On** if you want the speaker sound keeps normal after the headphone is connected. Selects **Speaker Off** if you want the speaker sound is muted when the headphone is connected.

- 4 To close the menu, press **EXIT** button.

Adjusting Basic Settings

Adjusting basic settings



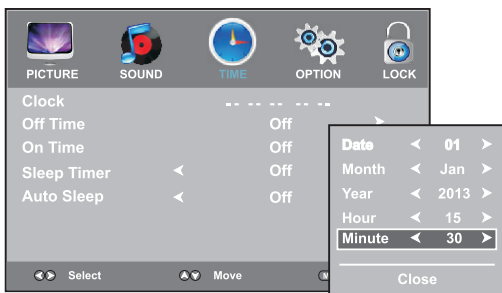
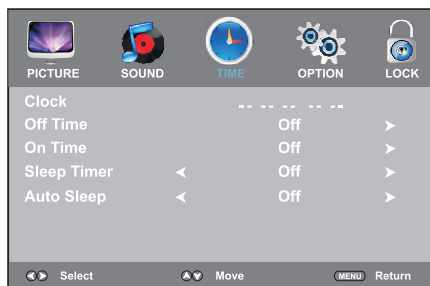
To adjust basic settings:

- 1 Press **MENU**. The on-screen menu opens
- 2 Press **◀** or **▶** to display **OPTION** menu, press **▼** to access.
- 3 Press **▼** or **▲** to select an option, press **◀** or **▶** to adjust the option. If a sub-menu exists, press **OK** to access, then use **▼ ▲ ◀ ▶** to select and adjust.

- **OSD Language** — Selects on-screen menus language.
 - **S/PDIF Output** (digital only) — Selects the digital audio output mode for S/PDIF. You can select **Auto** or **PCM**.
 - . **Auto:** This mode outputs Dolby Digital or PCM to the digital audio output jack (S/PDIF) providing it is being broadcast.
 - . **PCM:** Select this when a 2ch digital stereo amplifier is connected to the Display. When you select a Dolby Digital or MPEG audio track, the sound is converted to the PCM (2ch) format and output.
 - **Judder Adjustment** — When viewing programs, picture problems such as Blur and Judder may occur, and different programs have different amount of Judder. The Judder Adjustment option will help you correct this picture problem by reducing the amount of judder on your Display. You can select **Weak/Normal/Strong** that suits your taste, select **Off** to turn off this feature.
 - . **Weak:** Select for news programs or similar programs.
 - . **Normal:** Select for movie or general programs.
 - . **Strong:** Select for sports programs.
 - **Note:** Judder Adjustment is available only under certain formats. Sometimes it will be turned off automatically when some OSD displays on the screen, then restore automatically when the OSD disappears.
 - **Audio Only** — When listening to MP3 music (through USB music play), you can set Audio Only to **Power Saving** for energy save. The backlight will turn off automatically after some seconds. Select **Normal** then the backlight works normally.
- 4 To close the menu, press **EXIT** button.

Setting Clock & Timer

Setting clock

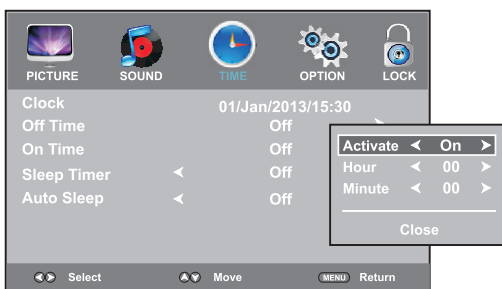


To set clock

- If the clock is not set, you may set the clock manually.
- To set OFF timer/ON timer, you should set the clock first.

- 1 Press **MENU**. Press ◀ or ▶ to display **TIME** menu, press ▼ to access.
- 2 Press ▲ or ▼ to select **Clock**, press ▶ or **OK** to access its setting menu. Within the menu, use ▲ or ▼ to highlight the **Date, Month, Year, Hour** or **Minute** item, and use ◀ or ▶ to adjust the values. When finished, use ▲ or ▼ to select **Close** and press **OK** to confirm the setting and close this sub-menu.
- 3 To close the menu, press **EXIT** button.

Setting Off timer



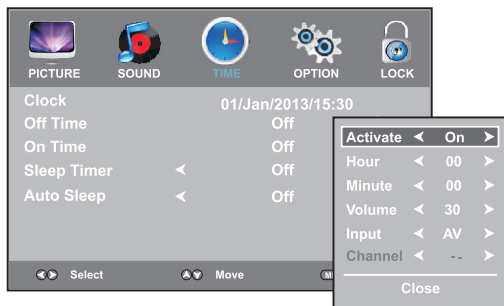
To set OFF timer

You can set OFF timer to switch the Display to standby at a specified time. Once you set OFF timer, it will effect every day.

- 1 Press **MENU**. Press ◀ or ▶ to display **TIME** menu, press ▼ to access.
- 2 Press ▲ or ▼ to select **Off Time**, press ▶ or **OK** to access its setting menu.
- 3 Now the **Activate** item is highlighted automatically, press ◀ or ▶ to select **On** to turn on the function (To cancel the function, select **Off**).
- 4 After **Activate** is set to **On**, press ▲ or ▼ to select **Hour** or **Minute**, press ◀ or ▶ to adjust the value.
- 5 When finished, use ▲ or ▼ to select **Close** and press **OK** to confirm the setting and close this sub-menu.
- 6 To close the menu, press **EXIT** button.

Setting Clock & Timer (Continued)

Setting ON timer

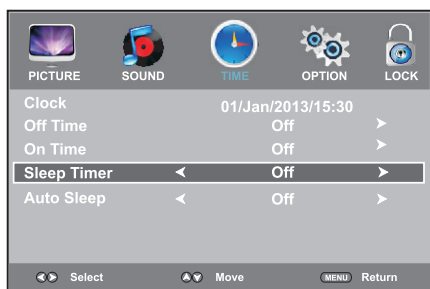


To set ON timer

ON timer feature allows you to set the Display to turn on automatically to a preset source at a certain time and at certain volume. Once you set ON timer, it will effect every day.

- 1 Press **MENU**. Press ◀ or ▶ to display **TIME** menu, press ▼ to access.
- 2 Press ▲ or ▼ to select **On Time**. Press ▶ or **OK** to access the submenu.
- 3 Now the **Activate** item is highlighted automatically, press ◀ or ▶ to select **On** to enable ON timer (To cancel, select **Off**).
- 4 After **Activate** is set to **On**, press ▲ or ▼ to go through the item list adding the details of the on timer by using ◀ or ▶ to make selections.
 - **Hour/Minute:** Sets the desired time to turn on the Display.
 - **Volume:** Sets the volume level for the On Timer program.
 - **Input:** Sets the input source to be viewed when the Display turns on.
- 5 When finished, use ▲ or ▼ to select **Close** item and press **OK** to close the submenu. Press **EXIT** button to close the main menu.
- 6 Press **⏻** to switch the Display to standby mode. At the preset time, the Display will auto turn on and go to the preset source at the preset volume.

Setting Sleep timer



To set Sleep timer

Sleep timer lets you select the amount of time before your Display turns itself off automatically. This setting is cleared when the Display is turned off.

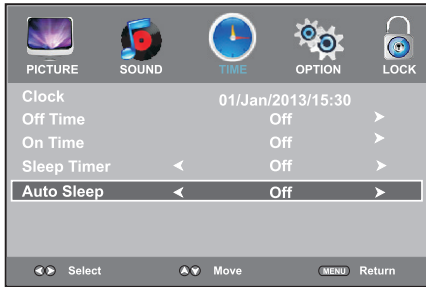
- 1 Press **MENU**. Press ◀ or ▶ to display **TIME** menu, press ▼ to access.
- 2 Press ▲ or ▼ to select **Sleep Timer**.
- 3 Press ◀ or ▶ to select the amount of time; to turn off the timer, please select **Off**.

Note:

After you have set sleep timer, when the last 60 seconds comes, the Power Off screen will appear to remind you after how many seconds the Display will power off. You can press any button to quit.

Setting Clock & Timer (Continued)

Setting Auto Sleep



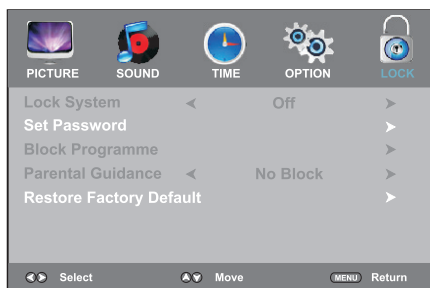
To set Auto Sleep

Auto Sleep will bring the Display to standby automatically when there is no signal input (except USB) for a certain time

- 1 Press **MENU**. Press ◀ or ▶ to display **TIME** menu, press ▼ to access.
- 2 Press ▲ or ▼ to select **Auto Sleep**.
- 3 Press ◀ or ▶ to select **On** to turn on Auto Sleep. (To cancel the function, select **Off**.)
- 4 To close the menu, press **EXIT** button

Setting Lock Menu

Setting or changing the password

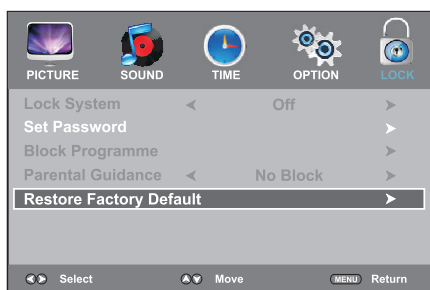


To set or change the password From LOCK menu you can set a new lock password or to change an existing password. By default, the password is 0000 and you should change it. To access LOCK menu, to restore factory default, the child lock password is required.

- 1 Press **MENU**. Press ◀ or ▶ to display **LOCK** menu, press ▼ to access.
- 2 Now a password is required to input. Use number buttons to input the correct password (the default password is 0000).
- 3 Press ▲ or ▼ to select **Set Password**, and then press ▶ or **OK** button to access its submenu.
- 4 Use the number buttons to input a new password (4-digit). Input the new password again. Now the new password has been created successfully.

Note: Be sure to write down your password and retain it for future use. If you do forget the password, the Display provides a super password "2580". Please **DO NOT** let your children know the super password.

Restoring factory default



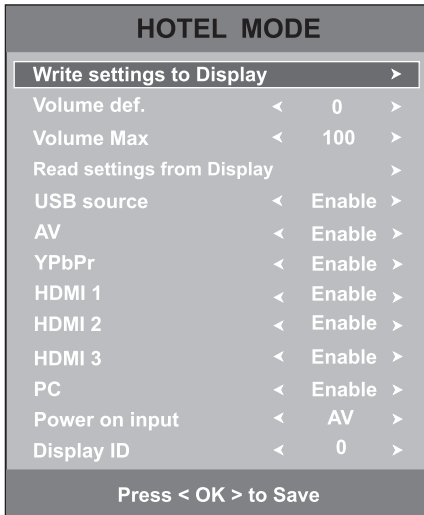
To restore factory default

Caution: When you restore factory default, all settings including password will be cleared and reset to default (the password is reset to 0000). So make sure you do want to reset the settings to its original factory condition before you perform this operation.

- 1 Navigate to the **LOCK** menu and input the correct password to access
- 2 Press ▲ or ▼ to select the **Restore Factory Default** item, and then press ▶ or **OK**. A message appears prompting you to confirm again.
- 3 Press ◀ to reset or press ▶ to cancel the reset.
- 4 Press **MENU** to return to previous menu. Press **EXIT** to close the menu directly.

Setting Hotel Mode

Setting Hotel Mode



Hotel Mode feature enables you to set maximum volume, set power on input, etc. which is especially useful at Hotel environment.

To set Hotel Mode

- 1 Press **MENU** button. The main menu opens.
- 2 Press number buttons: [**9, 9, 3**] to access the **Hotel Mode** screen. **Be sure to quickly input the numbers while the main menu is still visible.**
- 3 Within the menu, press ▼ or ▲ to highlight an option, press ◀ or ▶ to set or adjust the option. You can select:

- **Write settings to Display** — Writes the settings in USB file to Display.
- **Volume def.** — Sets power-on volume for the Display.
- **Volume Max** — Sets the maximum volume (30–100) for the Display.
- **Read Settings from Display** — Reads the settings from Display store to USB disk.
- **USB/AV/YPbPr/HDMI 1/HDMI 2/HDMI 3/PC** — Sets **Enable**, you can select USB/AV/YPbPr/HDMI 1/HDMI 2/HDMI 3/D-SUB on the **Input Source** list. Sets **Disable**, the USB/AV/YPbPr/HDMI 1/HDMI 2/HDMI 3/D-SUB source on the Input Source list is not selectable and grayed out.
- **Power on input** — Sets one input source to be viewed when the Display is turned on.
- **Display ID** — Sets the ID number for the Display.

- 4 Press **OK** to save the setting. Press **EXIT** to exit the menu screen directly.

Using USB Multi Media Player

Using USB multi media player

You can connect a USB storage device to your Display to view compatible photo, movie, text on the large screen of the Display or play compatible music so that the sound can be output from the Display's speakers.

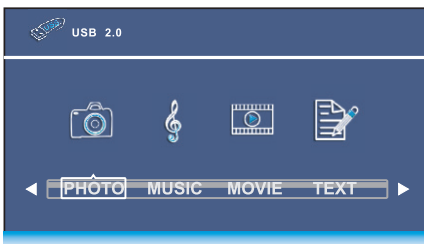
To use USB multi media player, please go to USB source through Input Source menu by pressing INPUT button.

Notes:

- Never remove the USB device or turn off the Display while using the USB device.
- It is recommended that you back up your USB device data.
- The USB menu may vary in different situation.
- If you want to pull out the USB device, please exit USB mode first. For instructions on using your USB device, refer to the owner's manual of your USB device.
- Please use English to name your files. Otherwise the file names can not be shown correctly.
- Certain types of USB device may not be compatible with this Display.

USB multi media interface introduction

- 1 Connect your USB device. Select **USB** mode through the **Input Source** menu, the USB multi media interface (main menu) will appear automatically.
- 2 Press ◀ or ▶ to select your desired media, press **OK** to access. You can select:
 - **PHOTO** — Selects to view compatible photos.
 - **MUSIC** — Selects to playback compatible music.
 - **MOVIE** — Selects to playback compatible movie.
 - **TEXT** — Selects to view compatible text



Using USB Multi Media Player (Continued)

Media 1: Viewing Photos

With the photo viewer, you can:

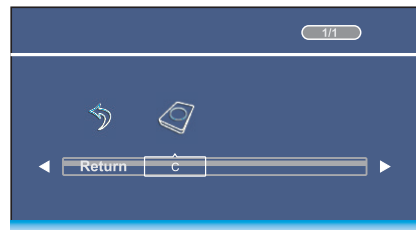
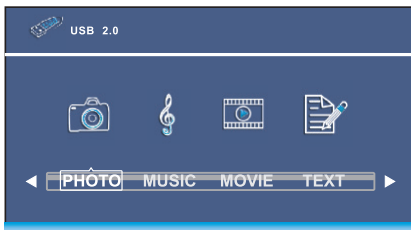
- View photos (in JPG, BMP or PNG format).
- View photos with background music.
- Pan, zoom, and rotate photos.
- Mark photos so you can just slide show those marked photos.

Note: The photo viewer supports JPG, BMP, PNG format images, but not all JPG, BMP, or PNG files are compatible with the Display due to technical update.

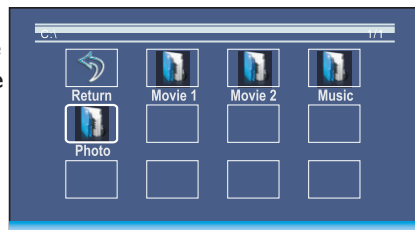
Using photo viewer index and Photo Menu Bar

To access photo viewer index / Photo Menu Bar

- 1 Connect your USB device that contains the photo files you want to view, switch to **USB** mode, the USB main menu will appear automatically. Press **◀** or **▶** to select **PHOTO**, press **OK** to access.
- 2 Press **◀** or **▶** to highlight **C** disk, press **OK** to open the USB device; if you want to go back, highlight **Return** and press **OK**.



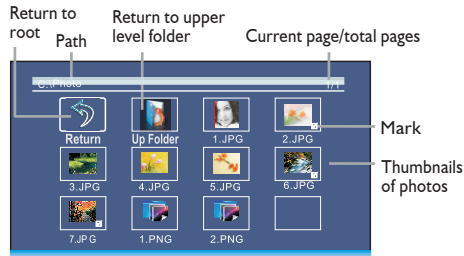
- 3 After you open the USB device, you can use **▲ ▼ ◀ ▶** to navigate and select folders or photo files, then press **OK** to open the highlighted folder or press **▶▶** to start slide show from current photo file. Below we will take it as an example that your desire photo files are contained in a folder. Just highlight this folder and press **OK** and the Photo Viewer Index appears, which displays thumbnail images of the files stored inside this folder



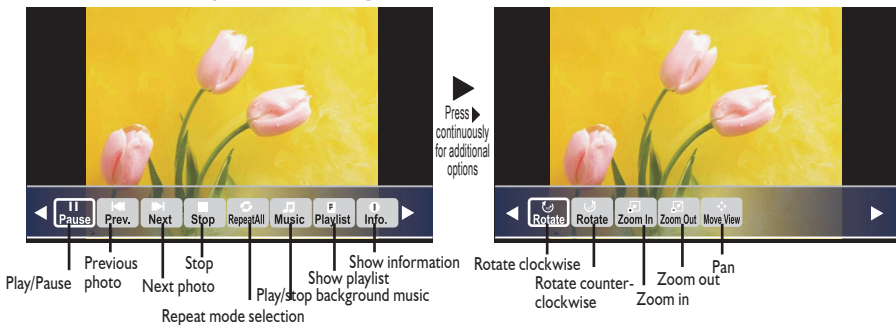
Using USB Multi Media Player (Continued)

4 The following describes how to use the Photo Viewer Index:

- **To return to root (C: disk),** highlight **Return** and press **OK**.
 - **To go back to upper level folder,** highlight **Up Folder** and press **OK**.
 - **To start slide show from your desired photo,** highlight this photo then press **▶**.
 - **To mark photos so you can just slide show those photos,** use **▲ ▼ ◀ ▶** to highlight the specific photo then press **OK**. A check mark appears on it (press **OK** again to cancel the mark).
- Repeat this way to create your favourite photo list, then slide show will go among these photos.








5 During slide show, you can make use of **Photo Menu Bar** to perform many functions. To call out and operate the Photo Menu Bar, just press **INFO** button during slide show. The Photo Menu Bar is displayed at the bottom screen. Then use **◀ ▶** to select your desired function icon, press **OK** to fulfill the function. If the function icon has several options, repeatedly press **OK** to select it. To clear the Photo Menu Bar, press **INFO** again.



The following describes every function icon on the Photo Menu Bar

	Play/pause. Also you can directly press ▶▶ on the remote control for play/pause
	Go to the previous/next photo . Also you can directly press ◀◀ / ▶▶ on the remote control for previous/next photo.
	Stop and exit. Also you can directly press ■ on the remote control for stop.
	Repeat mode selection. Highlight this icon, press OK one or more times to select Repeat I , Repeat All , No Repeat .
	Play/pause background music. Note: You can make use of it to playback your marked compatible music file as background music during photo slide show.

Using USB Multi Media Player (Continued)

	List of photo files. It will display a list of all marked compatible photo files in current folder. If none marked, then all compatible photo files in this folder. Press ▲ ▼ to move upward or downward, press OK to start slide show from it. Press EXIT to exit the list.
	File information. It will display current photo file information. Press EXIT to clear the information.
	Rotate the photo clockwise/counterclockwise by 90 degree upon every press.
	Zoom in/zoom out the photo image
	Pan (left, right, up, down). You can use Pan only when the photo is magnified using ZOOM. After you highlight this icon and press OK , a symbol appears at the screen's bottom right corner, now you can press ▲ ▼ ◀ ▶ to pan around the photo.

Media 2: Playing Music

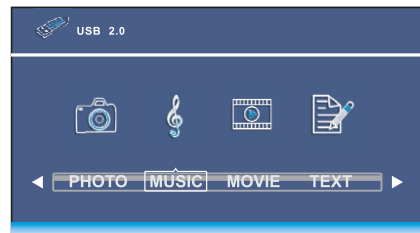
With the USB music player, you can:

- Play music bit rate up to 192kbps.
- Mark music files so you can just play back those music files.

Music Playback

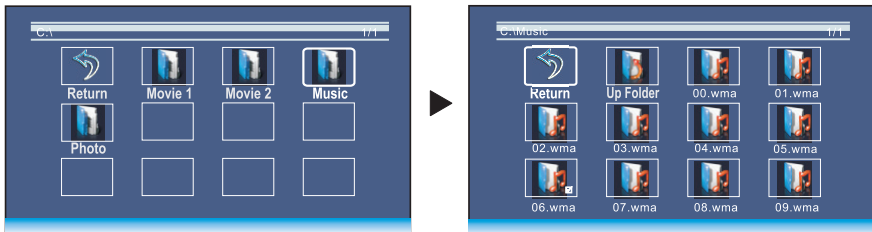
To access music playback window

- 1 Connect your USB device that contains the music files you want to play, switch to **USB** mode through the **Input Source** menu, the USB main menu will appear automatically. Press **◀** or **▶** to select **MUSIC**, and press **OK** to access



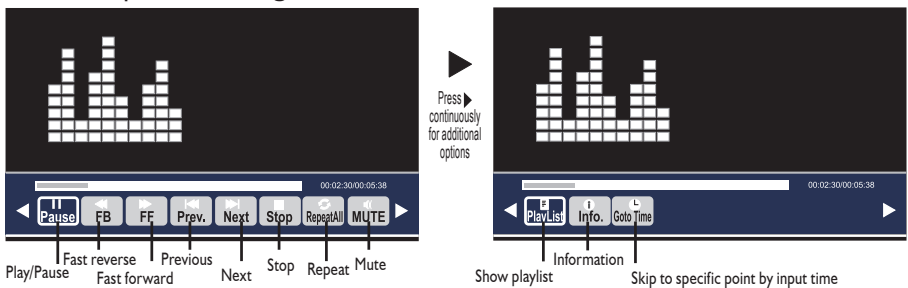
- 2 Press **◀** or **▶** to highlight **C** disk, then press **OK** to open the USB device; if you want to go back, highlight **Return** and press **OK**.
- 3 After you open the USB device, you can use **▲ ▼ ◀ ▶** to navigate and select folders or music files, then press **OK** to open the highlighted folder or press **▶||** to start music play from current music file. Below we will take it as an example that your desire music files are contained in a folder. Just highlight this folder and press **OK** to open it. All your music files are shown in a thumbnail index

Using USB Multi Media Player (Continued)



- 4 The following describes how to use the music thumbnail Index:
- **To return to root**, highlight **Return** and press **OK**.
 - **To go back to upper level folder**, highlight **Up Folder** and press **OK**.
 - **To start playback from your desired music file**, highlight this file then press **▶**.
 - **To mark music files so you can just play those music files**, use **▲ ▼ ◀ ▶** to highlight this music then press **OK**. A check mark appears on it (press **OK** again to cancel the mark). Repeat this way to create your favourite music list, then music playback will go among these files.
- 5 During music playback, you can make use of **Music Menu Bar** to perform many functions.





To call out and operate the Music Menu Bar, just press **INFO** button during music playback. The Music Menu Bar is displayed at the bottom screen. Then use **◀ ▶** to select your desired function icon, press **OK** to fulfill the function. If the function icon has several options, repeatedly press **OK** to select it. To clear the Music Menu Bar, press **INFO** again.



The following describes every function icon on the Music Menu Bar.

	Play/pause. Also you can directly press ▶ on the remote control for play/pause
	Fast reverse/fast forward.
	Go to the previous/next file . Also you can directly press ◀◀/▶▶ on the remote control for previous/next file.
	Stop playback and exit. Also you can directly press ■ on the remote control for stop.
	Repeat mode selection. Highlight this icon, press OK one or more times to select Repeat I, Repeat All, No Repeat .

Using USB Multi Media Player (Continued)

	Mute the sound. Also you can press MUTE button on the remote for mute.
	List of music files. It will display a list of all marked compatible music files in current folder; if none marked, then all compatible music files in this folder. Press ▲ ▼ to move upward or downward, press OK to start music playback from it. Press EXIT to exit the list.
	File information. It will display current music file information. Press EXIT to exit.
	Skip to specific point by input time. Highlight this icon, press OK to call out Input search time screen, use number buttons to input time, use ◀ ▶ to move the cursor, then highlight OK and press OK button for time search, and the playback starts from the specific time. Note: If you want to show the associated lyrics on the screen with the music, you must store these associated lyrics in the same folder using the same file name with “.lrc” file extensions.

Media 3: Playing Movie

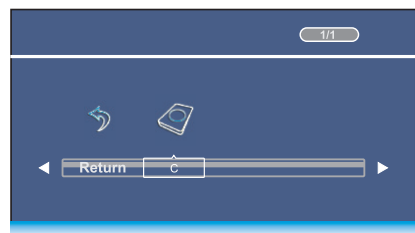
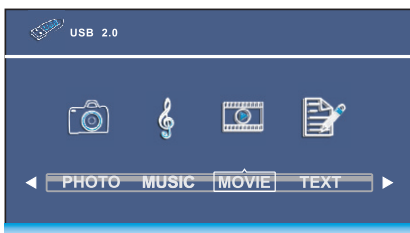
With the USB movie player, you can:

- Play movie resolution up to 1080p.
- Repeat playing any specified section (AB Loop).
- Mark movie files so you can just play back those movie files.

Movie Playback

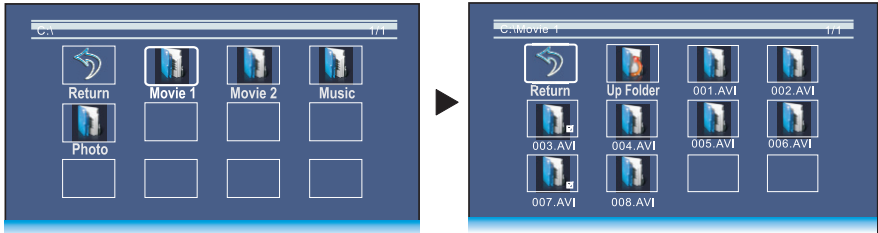
To access movie playback window

- 1 Connect your USB device that contains the movie files you want to play, switch to **USB** mode through the **Input Source** menu, the USB main menu will appear automatically. Press **◀** or **▶** to select **MOVIE**, and press **OK** to access.
- 2 Press **◀** or **▶** to highlight **C** disk, then press **OK** to open the USB device; if you want to go back, highlight **Return** and press **OK**.



Using USB Multi Media Player (Continued)

3 After you open the USB device, you can use $\blacktriangle \blacktriangledown \blacktriangleleft \blacktriangleright$ to navigate and select folders or movie files, then press **OK** to open the highlighted folder or press $\blacktriangleright \text{II}$ to start movie playback from current movie file. Below we will take it as an example that your desire movie files are contained in a folder. Just highlight this folder and press **OK** to open it. All your movie files are shown in a thumbnail index.

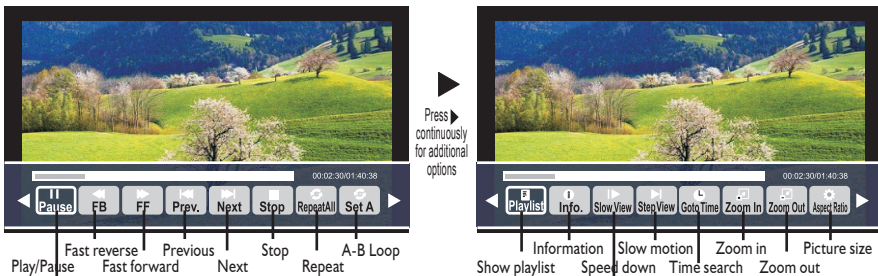


4 The following describes how to use the movie thumbnail Index:

- **To return to root**, highlight **Return** and press **OK**.
- **To go back to upper level folder**, highlight **Up Folder** and press **OK**.
- **To start playback from your desired movie file**, highlight this file then press $\blacktriangleright \text{II}$.
- **To mark movie files so you can just playback those movie files**, use $\blacktriangle \blacktriangledown \blacktriangleleft \blacktriangleright$ to highlight this movie file then press **OK**. A check mark appears on it (press **OK** again to cancel the mark). Repeat this way to create your favourite movie list, then movie playback will go among these files.

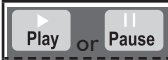
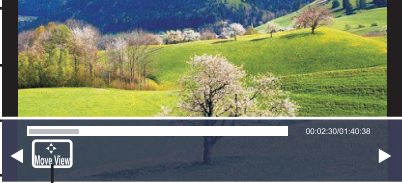



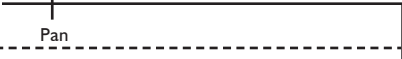


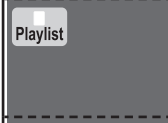
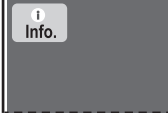






5 During movie playback, you can make use of **Movie Menu Bar** to perform many functions.

To call out and operate the Movie Menu Bar, just press **INFO** button during movie playback. The Movie Menu Bar is displayed at the bottom screen. Then use $\blacktriangleleft \blacktriangleright$ to select your desired function icon, press **OK** to fulfill the function. If the function icon has several options, repeatedly press **OK** to select it. To clear the Movie Menu Bar, press **INFO** again.



Using USB Multi Media Player (Continued)

The following describes every function icon on the Movie Menu Bar.

	Play/Pause.	
	Fast reverse/fast forward.	
	Go to the previous/next file.	
	Stop playback and exit	
	Repeat mode selection. Highlight this icon, press OK one or more times to select Repeat 1, Repeat All, No Repeat.	
	AB Loop. By AB Loop, you can pause and repeat any specified section during playback. At the starting point set it as A by highlighting this icon and pressing OK (the top screen will show Set A). At the ending point set it as B by highlighting this icon and pressing OK (the top screen will show AB Loop). Now AB Loop starts. To cancel, highlight this icon and press OK	
	List of movie files. It will display a list of all marked compatible movie files in current folder; if none marked, then all compatible movie files in the folder. Press ▲▼ to move upward or downward, press OK to start movie playback from it. Press EXIT to exit the list.	
	Shows current movie information . Highlight this icon, press OK to call out Information screen, press ▲▼ to move upward or downward, press ◀▶ to adjust the item, such as audio track, subtitle language and programme (if available). To exit, press EXIT .	
	Speed down. Highlight this icon, repeatedly press OK to speed down the playback among 2x, 4x, 8x, 16x choice. Press ⏮ to resume playback speed	
	Slow motion. Highlight this icon, repeatedly press OK for slow motion.	
	Skip to specific point by input time. Highlight this icon, press OK to call out Input search time screen, use number buttons to input time, use ◀▶ to move the cursor, then highlight OK and press OK button for time search, and the playback starts from the specific time. Note: The skip function may not work at some movies due to their information limitation. Also the input time value for skip is only served as a reference. The actual point located may differ depending on the movie signal.	
	Zoom in/Zoom out the image.	
	Picture size selection. Highlight this icon, press OK repeatedly to select your desired picture format among Auto, Zoom 1, Zoom 2, 16:9, 4:3 during movie play.	
	Pan (left, right, up, down). You can use Pan only when the photo is magnified using Zoom . After you highlight this icon and press OK , a symbol appears at the screen's bottom right corner, now you can press ▲▼◀▶ to pan around the image.	

Using USB Multi Media Player (Continued)

Media 4: Playing text

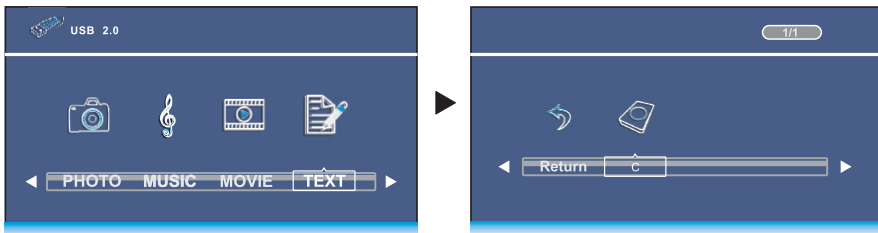
With the USB text viewer, you can:

- View compatible text (in TXT format).
- View text with background music.
- Mark specific text files so you can just view those specific text files.

Note: The USB text viewer supports TXT format files, but not all TXT files are compatible with the Display due to technical update.

To access text viewer

- 1 Connect your USB device that contains the text files you want to view, switch to **USB** mode through the **Input Source** menu, the USB main menu will appear automatically. Press ◀ or ▶ to select **TEXT**, and press **OK** to access.
- 2 Press ◀ or ▶ to highlight **C** disk, then press **OK** to open the USB device; if you want to go back, highlight **Return** and press **OK**.



- 3 After you open the USB device, you can use ▲ ▼ ◀ ▶ to navigate and select folders or text files, then press **OK** to open the highlighted folder or press ▲▶▶ to start text play from current file. Below we will take it as an example that your desire text files are contained in a folder. Just highlight this folder and press **OK** to open it. All your text files are shown in a thumbnail index.
- 4 The following describes how to use the thumbnail Index:
 - **To return to root**, highlight **Return** and press **OK**.
 - **To go back to upper level folder**, highlight **Up Folder** and press **OK**.
 - **To start play from your desired file**, highlight this file then press ▶▶▶.
 - **To mark specific files so you can just play those files**, use ▲ ▼ ◀ ▶ to highlight this text file then press **OK**. A check mark appears on it (press **OK** again to cancel the mark). Repeat this way to create your specific text list, then text play will go among these files.









Using USB Multi Media Player (Continued)

- 5 During text playing, you can make use of **Text Menu Bar** to perform many functions. Press **INFO** button to call out the TEXT Menu Bar. Then use ◀ ▶ to select your desired function icon, press **OK** to fulfill the function. If the function icon has several options, repeatedly press **OK** to select it. To close it, press **INFO** again.

Electrical energy can perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. But **IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARD.**



The following describes every function icon on the Text Menu Bar.

 	Page up/Page down.
 	Go to the previous/next . Also you can directly press ◀▶ on the remote for previous/next.
	Stop and exit. Also you can directly press ■ on the remote for stop.
	Play/Pause background music Note: You can make use of it to playback your marked compatible music file as background music during text display
	List of text files. It will display a list of all marked compatible text files in current folder; if none marked, then all compatible text files in this folder. Press ▲ ▼ to move upward or downward, press OK to start playing from it. Press EXIT to exit the list.
	Shows current file information . To exit, press EXIT .

Other Information

Troubleshooting

If, after reading these operating instructions, you have additional questions related to the use of your Display, please call the services center in your local area.

Before calling service, please check the symptoms and follow suggested solutions.

Remote Control

Problem	Possible Solution
Remote control does not operate	<ul style="list-style-type: none">• The batteries could be weak. Replace the batteries.• Check the orientation of the batteries.• Make sure the power cord is plugged in.

Video and Audio

Problem	Possible Solution
No picture (screen not lit), No sound	<ul style="list-style-type: none">• Make sure the power cord is plugged in.• Press POWER on the Display or on the remote control.
Dark, poor or no picture (Screen lit), good sound	<ul style="list-style-type: none">• Select a proper picture mode.• Adjust the brightness in the video setting.
No color/dark picture/abnormal color	<ul style="list-style-type: none">• Adjust the color saturation in the video setting.
Good picture, no sound	<ul style="list-style-type: none">• The sound may be muted. Press MUTE again to cancel.
Audio noise.	<ul style="list-style-type: none">• Communication problems may occur if infrared communication equipment (e.g., infrared cordless headphones) is used near the Display. Move the infrared communication equipment away from the Display until the noise is eliminated

General

Problem	Possible Solution
Lost password	<ul style="list-style-type: none">• You may use the super password (2580).
Some items can't be accessed	<ul style="list-style-type: none">• If a setting option appears in gray, this indicates that the settings option is unavailable in current input mode.
Cabinet creaks	<ul style="list-style-type: none">• When the Display is in use, there is a natural rise in temperature, causing the cabinet to expand or contract and may be accompanied by a slight creaking noise. This is not a malfunction.
Remote control command is not effect in some cases.	<ul style="list-style-type: none">• During the timing of USB device detection (i.e. when the Display is turned on with USB device connected, or when you plug in USB device during Display working),the Display may not act by remote control buttons in such case. Wait some time, then it is OK.
Control buttons do not operate	<ul style="list-style-type: none">• Disconnect the power cord and wait for a few seconds. Then re-plug the power cord and turn on the Display again

Note: *If your problem is not solved, turn your Display off and then on again.*

Cautions: *Never attempt to repair a defective Display yourself.*

Other Information (Continued)

Specifications

Model:	CDE650ILED
Panel:	65" TFT LCD (with LED backlight)
Power Requirement:	AC 120 V, 60 Hz
Power Consumption:	250 W
Resolution:	1920 x 1080
Dimensions (W x H x D):	1533 (W) x 990 (H) x 300 (D)mm (stand included)
Weight:	50 kg (stand included)
Terminals:	Remote Control Out (1) AV in (1) COMPONENT in (1) PC in (1) HDMI in (3) RS-232 (1) Headphone (1) SPDIF out (1) USB port (1)

Note:

1. Design and specifications are subject to change without notice.
2. Weight and dimensions shown are approximate.
3. Specifications and external appearance may be changed for the sake of improvement.

Other Information (Continued)

RS232 Command Table

I. Introduction

This document describes the hardware interface spec and software protocols of RS232 interface communication between Viewsonic LED Display and PC or other control unit with RS232 protocol.

The protocol divide into three sections:

- Set-Function
- Get-Function
- Remote control pass-through mode

※ In below document, “PC” will represents all the control units that can sent or receive the RS232 protocol command.

2. Description

Hardware specification

Viewsonic LCD communication port in the rear side

- (1) Connector type: 3.5 Mini Jack
- (2) Pin Assignment

Pin #	Signal	Remark
1	GND	Ground
2	R	Input to LCD Display
3	L	Output from LCD Display

*Use of crossover (null modem) cable required for use with PC

Communication Setting

- Baud Rate Select: 9600bps (fixed)
- Data bits: 8bits (fixed)
- Parity: None (fixed)
- Stop Bits: 1 (fixed)

Command Message Reference

PC sends to Display command packet followed by “CR”. Every time PC sends control command to the Display, the Display shall response as follows:

1. If the message is receives correctly it will send “+” (02Bh) followed by “CR” (00Dh)
2. If the message is receives incorrectly it will send “-” (02Dh) followed by “CR” (00Dh)

Other Information (Continued)

3. Set-Function Listing

The PC can control the LCD Display for specific actions. The Set-Function command allows you to control the LCD Display behavior in a remote sit through the RS232 port. The Set-Function packet format consists of 9 bytes.

Set-Function description:

Length:	Total Byte of Message excluding “CR”
Display ID	Identification for each of Display. If we want to set all Display settings, Display ID can use “99” to achieve, and it will not have Reply command on this function. The Display ID can be set via the hotel menu for each Display set.
Command	Identify command type,
Type	“s” (0x73h) : Set Command “+” (0x2Bh) : Valid command Reply “-“ (0x2Dh) : Invalid command Reply
Command:	Function command code: One byte ASCII code
Value[1~3]:	Three bytes ASCII that defines the value
CR	0x0D

Set-Function format

Send: (Command Type=“s”)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5	6	7	8	9

[NOTE] Set “Power on” command is the exception.

Other Information (Continued)

Reply: (Command Type="+" or "-")

Name	Length	ID	Command	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5

[NOTE] There is no replay for "Power on" command for CDE650ILED.

Example1: Set Brightness as 76 for Display-02 and this command is valid

Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	<u>0x38</u>	<u>0x30</u> <u>0x32</u>	<u>0x73</u>	<u>0x24</u>	<u>0x30</u>	<u>0x37</u>	<u>0x36</u>	<u>0x0D</u>

Reply (Hex Format)

Name	Length	ID	Command Type	CR
Hex	<u>0x34</u>	<u>0x30</u> <u>0x32</u>	<u>0x2B</u>	<u>0x0D</u>

Example2: Set Brightness as 176 for Display-02 and this command is NOT valid

Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	<u>0x38</u>	<u>0x30</u> <u>0x32</u>	<u>0x73</u>	<u>0x24</u>	<u>0x31</u>	<u>0x37</u>	<u>0x36</u>	<u>0x0D</u>

Reply (Hex Format)

Name	Length	ID	Command Type	CR
Hex	<u>0x34</u>	<u>0x30</u> <u>0x32</u>	<u>0x2D</u>	<u>0x0D</u>

Table 4-1: PC Set-function command to LCD Display (ID=C0h)

Set Function	Command Code (ASCII)	Command Code (Hex)	Value Range (Three ASCII bytes)	Comments
Power on/off (standby)	!	21	000: STBY 001: ON	Controlled the Display power status: ON or Standby

Other Information (Continued)

Input Select	"	22	001 : AV 003 : YBPBR 004 : HDMI 0014:HDMI2 0024:HDMI3 006 : PC/VGA	<ol style="list-style-type: none"> No need for USB For the case of two more same sources, the 2nd digital is used to indicate the extension.
Contrast	#	23	000 ~ 100	
Brightness	\$	24	000 ~ 100	
Sharpness	%	25	000 ~ 100	
Color	&	26	000 ~ 100	
Tint	'	27	000 ~ 100	
Color Mode)	29	000: NORMAL 001: WARM 002: COLD	
Bass	.	2E	000 ~ 100	Sets Bass value
Treble	/	2F	000 ~ 100	Sets Treble value
Balance	0	30	000 ~ 100	Sets Balance position
OSD Language	2	32	000: English 001: Francias 002: Spanish	Extend the value for more supported languages
Power Lock	4	34	000:Unlock 001:Lock	
Volume	5	35	000 ~ 100	
Mute	6	35	000: OFF 001: ON (mute)	
Button Lock	8	38	000:Unlock 001:Lock	
Menu Lock	>	3E	000:Unlock 001:Lock	
Number	@	40	000 ~ 009	
Key Pad	A	41	000: UP 001: DOWN 002: LEFT 003: RIGHT 004: ENTER 005: INPUT 006: MENU/EXIT	
Remote Control	B	42	000: DISABLE 001: ENABLE 002: PASS THROUGH	Disable: RCU has no effect on Display. Enabled: RCU controls the Display. Pass through: RCU has no effect on Display and all RCU command codes are transmitted to FC via the RS232 port.

Other Information (Continued)

Restore To Default	~	7E	000	Rests Display to factory setting
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[NOTE]

1.Behavior at lock modes

Lock Mode	Behavior
Button Lock	<ol style="list-style-type: none"> 1. Lock all buttons of front panel and RCU, except for “Power” 2. All the SET functions should be workable via RS32, even the ones with according hot key in RCU like Mute,...etc.
MENU Lock	<ol style="list-style-type: none"> 1. Lock “MENU” key of front panel and RCU 2. The Factory and Hospitality modes should not be blocked for the model using MENU-combined key to enter these two modes. Alternative approach will be indicated separately if any limitation by model.
POWER Lock	<ol style="list-style-type: none"> 1. Lock “POWER” key of front and RCU. 2. The SET_POWER on/off should be workable via RS232, but does not mean the POWER lock will be released under this case. 3. Can not be un-locked by reset in OSD setting 4. Will auto AC power-on in power-lock 5. Under power-lock, the set will not enter power saving when no PC signal and neither not turn off when no other video signals after 15min.
Remote control disable	Lock the keys on RCU, but keep the buttons of front panel workable.

Get-Function Listing

The PC can interrogate the LCD Display for specific information. The Get-Function packet format consists of 9 bytes which is similar to the Set-Function packet structure. Note that the “Value” byte is always = 00.

Get-Function description:

Length:	Total Byte of Message excluding “CR”
Display ID	Identification for each of Display.
Command	Identify command type,
Type	“g” (0x67h) : Get Command “r” (0x72h) : Valid command Reply “-“ (0x2Dh) : Invalid command Reply
Command:	Function command code: One byte ASCII code
Value[1~3]:	Three bytes ASCII that defines the value
CR	0x0D

Other Information (Continued)

Get-Function format

Send: (Command Type="g")

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5	6	7	8	9

Reply: (Command Type="r" or "-")

If the Command is valid, Command Type = "r"

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5	6	7	8	9

If the Command is Not valid, Command Type = "-"

Name	Length	ID	Command Type	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5

Example1: Get Brightness from Display-05 and this command is valid.

The Brightness value is 67.

Other Information (Continued)

4Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x35	0x67	0x62	0x30	0x30	0x30	0x0D

Reply(Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x35	0x72	0x62	0x30	0x30	0x30	0x0D

Example2: Get Brightness from Display-05 , but the Brightness command ID is error and it is NOT in the command table.

Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x35	0x67	0xD3	0x30	0x30	0x30	0x0D

Reply (Hex Format)

Name	Length	ID	Command Type	CR	CR
Hex	0x34	0x30 0x35	0x2D	0x0D	0x0D

Table 5-1: PC Get-function command to LCD Display

Get Function	Command Code (ASCII)	Command Code (Hex)	Response Range (Three ASCII bytes)	Comments
Get-Contrast	a	61	000 ~ 100	Gets Contrast value
Get-Brightness	b	62	000 ~ 100	Gets Brightness value
Get-Sharpness	c	63	000 ~ 100	Gets Sharpness value
Get-Color	d	64	000 ~ 100	Gets Color value
Get-Tint	e	65	000 ~ 100	Gets Tint value
Get-Volume	f	66	000 ~ 100	Gets Volume value
Get-Mute	g	67	000: OFF (unmuted) 001: ON (muted)	Gets Mute ON/OFF status

Other Information (Continued)

Get-Input select	j	6A	000~	See Set-function table
Get-Power status: ON/STBY	l	6C	001: ON 000: STBY	
Get-Remote Control	n	6E	000: Disable 001: Enable 002: PASS THROUGH	Gets RCU mode status
Get-Power Lock	o	6F	000:Unlock 001:Lock	
Get-Button Lock	P	70	000:Unlock 001:Lock	
Get-Menu Lock	q	71	000:Unlock 001:Lock	
Get-ACK	z	7A	000	This command is used to test the communication link

4. Remote Control Pass-through mode

When PC sets the LCD Display to Remote Control Pass through mode, the LCD shall send a 7 bytes packet (followed by “CR”) in response to RCU button activation. Note, that in this mode the RCU shall have no effect on the Display function. For example: “+Volume” will not change the volume in the LCD but only sends “+Volume” code to PC over the RS232 port.

RCU Pass-through Command Format

Reply: (Command Type=“p”)

Name	Length	ID	Command Type	Value1	Value2	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5	6	7

Example1: Remote Control pass-through when “VOL+” key is pressed for Display-05

Send (Hex Format)

Other Information (Continued)

Name	Length	ID	Command Type	RCU Code1 (MSB)	RCU Code2 (LSB)	CR
Hex	0x36	0x30 0x35	0x70	0x31	0x30	0x0D

Table 6-1: Baseline RCU Pass-through codes

Key	Code (HEX)	Key	Code (HEX)
1	01		31
2	02		32
3	03		33
4	04		34
5	05		35
6	06		36
7	07		37
8	08		38
9	09		39
0	0A		3A
-	0B		3B
RECALL	0C		3C
	0D		3D
	0E		3E
ASPECT	0F		3F
VOLUME UP (+)	10		40
VOLUME DOWN (-)	11		41
MUTE	12		42
CHANNEL/PAGE UP (+)	13		43
CHANNEL/PAGE DOWN (-)	14		44
POWER	15		45
SOURCES (INPUTS)	16		46
	17		47
	18		48
SLEEP	19		49
MENU	1A		4A
UP	1B		4B

Other Information (Continued)

DOWN	IC		4C
LEFT	ID		4D
RIGHT	IE		4E
OK (ENTER)	IF		4F
EXIT	20		50
	21		51
	22		52
	23		53
	24		54
	25		55
	26		56
	27		57
	28		58
	29		59
	2A		5A
	2B		5B
	2C		5C
	2D		5D
	2E		5E
	2F		5F

[NOTE]

1. This IR-pass-through code is different with RCU key code
2. Special control sequence for POWER key under IR-pass through mode..
 - 2-1. When Display is OFF and receives the POWER code: Display will turn on itself, then forward the POWER code to the host via RS232.
 - 2-2. When Display is ON and receives the POWER code: Display will forward the POWER code to the host via RS232, then turns off itself.

Other Information (Continued)

Customer Support

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

Note: You will need the product serial number.

Use with other Wall-Mount kit may cause instability and possibly result in injury. To find the perfect mount for CDE650I LED, please browse www.viewsonic.com or call our service team: United States 1-800-688-6688, Canada 1-866-463-4775.

Country/Region	Website	T = Telephone F = FAX	Email
United States	www.viewsonic.com	T (Toll-Free)= 1-800-688-6688 T (Toll)= 1-424-233-2530 F= 1-909-468-3757	service.us@viewsonic.com
Canada	www.viewsonic.com	T (Toll-Free)= 1-866-463-4775 T (Toll)= 1-424-233-2533 F= 1-909-468-3757	service.ca@viewsonic.com
Latin America (Argentina)	www.viewsonic.com/la/	T= 0800-4441185	soporte@viewsonic.com
Latin America (Chile)	www.viewsonic.com/la/	T= 1230-020-7975	soporte@viewsonic.com
Latin America (Columbia)	www.viewsonic.com/la/	T= 01800-9-157235	soporte@viewsonic.com
Latin America (Mexico)	www.viewsonic.com/la/	T= 001-8882328722	soporte@viewsonic.com
Renta y Datos, 29 SUR 721, COL. LA PAZ, 72160 PUEBLA, PUE. Tel: 01.222.891.55.77 CON 10 LINEAS Electroser, Av Reforma No. 403Gx39 y 41, 97000 Mérida, Yucatán. Tel: 01.999.925.19.16 Other places please refer to http://www.viewsonic.com/la/soporte/index.htm#Mexico			
Latin America (Peru)	www.viewsonic.com/la/	T= 0800-54565	soporte@viewsonic.com

Other Information (Continued)

Limited Warranty VIEWSONIC LED 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 LED Displays are warranted for 3 year for all parts excluding the light source and 3 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 provided can be found in www.viewsoniceurope.com under Support/Warranty Information.

4.3: ViewSonic LED Display Warranty

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Other Information (Continued)

Mexico Limited Warranty VIEWSONIC LED 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 & accessories.

How long the warranty is effective:

ViewSonic LED Displays are warranted for 3 year for all parts excluding the light source and 3 year for labor from the date of the first customer purchase.

Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:

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

How to get service:

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

For Your Records

Product Name: _____

Model Number: _____

Document Number: _____

Serial Number: _____

Purchase Date: _____

Extended Warranty Purchase? _____ (Y/N)

If so, what date does warranty expire? _____

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

Limitation of implied warranties:

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

Exclusion of damages:

ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:

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

Other Information (Continued)

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

Name, address, of manufacturer and importers:

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

NÚMERO GRATIS DE ASISTENCIA TÉCNICA PARA TODO MÉXICO: 001.866.823.2004

Hermosillo:

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Villahermosa:

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