



42" PDP Monitor User's Guide

- Please observe all safety precautions when using this product.
- Please read this manual carefully before using this product.

- Quick and Easy Installation
- Versatility and Expandability
- That doesn't make you feel fatigue on your Eyes.
- Flat-Panel Digital Display easy on the Eyes.

Safety Precautions

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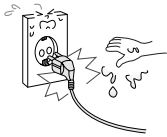
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Power Supply

Warnings

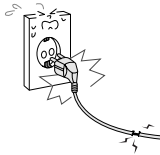
Do not touch the power plug with wet hands.

- Doing so may result in electric shock.



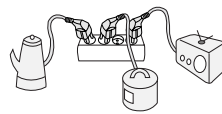
Do not use a damaged power cord or plug or a loose outlet.

- Doing so may result in fire or electric shock.



Do not plug several devices into the same outlet.

- Doing so may cause the outlet to overheat and start a fire.



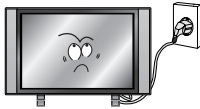
Insert the power plug fully into the outlet.

- A loose or improperly inserted power plug may result in fire.



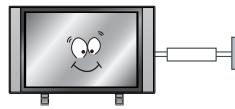
Do not bend the power cord excessively or place heavy objects on it.

- Doing so may result in fire or electric shock.



Be sure to ground the unit.

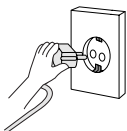
- Failing to do so may lead to electric shock when a short circuit or overload occurs. If necessary, install a ground fault circuit breaker. Never ground to a telephone line, lightning rod, or metal gas pipe. (Doing so may result in fire, electric shock, or other hazards.)



Cautions

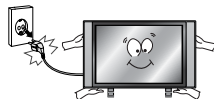
When disconnecting the power cord from an AC outlet, always grasp it by the plug.

- Pulling on the cord can damage the internal wire and may result in fire.



Always unplug the unit before cleaning.

- Not doing so may result in fire or electric shock.



The purpose of these precautions is to ensure user safety and prevent property damage.

Be sure to read and observe all safety precautions.



Warnings

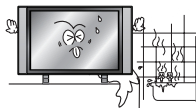
Do not place containers with liquids such as flower vases, soft drink cans, or medicine bottles or small metallic objects on top of the unit.

- If liquid enters the unit or any metal object falls into the unit, it may result in short-circuit, fire, or electric shock.



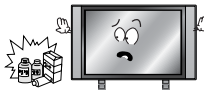
Do not place the unit where it is exposed to rain, excessive moisture or grease.

- Doing so may result in fire, electric shock, malfunction, or deformation.



Do not use or store flammable or combustible materials near the unit.

- Doing so may result in fire or explosion.



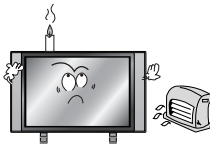
Do not place the unit on an unstable surface, such as a wobbly stand or sloped table, or on any surface whose area is smaller than the bottom area of the unit.

- If a child climbs on the unit, it could topple and fall onto the child, resulting in serious injury to the child or damage to the unit. Place the unit on a flat stable surface.



Do not place a burning candle, burning anti-mosquito incense, or lighted cigarette on top of the unit. Do not place the unit near any heat source such as a fireplace or space heater.

- Doing so poses a serious risk of fire.



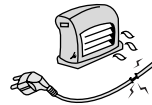
Do not place the unit in a poorly ventilated enclosure, such as a cabinet.

- Doing so poses a serious risk of fire.



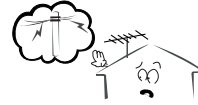
Do not run power cords near heat-producing appliances such as radiators, stoves, or irons.

- The excessive heat could melt the insulation and expose live wires, resulting in fire or electric shock.



Install the antenna away from high-voltage power lines and communication cables and make sure it is installed securely.

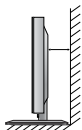
- If the antenna touches a power line, contact with the antenna could result in fire, electric shock, serious injury, or death.



Cautions

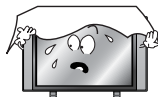
Install the unit at an adequate distance from the wall to ensure sufficient ventilation.

- If the temperature inside the unit rises, it may result in fire.



Do not cover the unit with a tablecloth, curtain, or other material.

- If the temperature inside the unit rises, it may result in fire.



Be sure to place the unit on a level surface.



⚠ Warnings

Form a drip loop where the coaxial antenna cable enters your building to prevent rainwater from traveling along the cable and coming in contact with the antenna input terminal.

- If rainwater finds its way inside the unit, it may result in fire or electric shock.



- The following precautions are divided into "Warnings" and "Cautions".

⚠ Warning : Ignoring this precaution may result in death or serious injury.

⚠ Caution : Ignoring this precaution may result in injury or property damage.

Use and Maintenance

Warnings

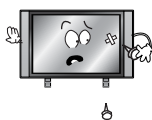
Disconnect the power cord from the wall outlet during an electrical storm.

- Not doing so may result in fire or electric shock.



Do not insert any metal objects, such as a screwdriver, paper clip, or bent wire into the ventilation openings or A/V terminals.

- Doing so poses a serious risk of fire or electric shock.



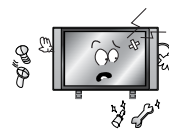
Do not allow children to climb or hang on the unit.

- The unit could topple over onto a child and result in serious injury.



Never disassemble or modify the unit in any way. Do not attempt to service the unit yourself.

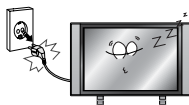
- Doing so may result in fire or electric shock. If the unit requires repair, contact the service center.



Cautions

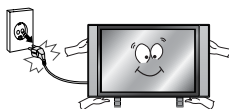
When not using the unit for long periods of time, disconnect the power cord from the wall outlet.

- Dust could accumulate over time on the unit and cause it to generate heat and ignite, or deteriorate insulation, which in turn may result in an electrical fire.



When moving the unit, be sure to turn off the unit and unplug the power cord from the wall outlet.

- Moving the unit with the power cord connected to the outlet may cause damage to the cord, resulting in fire or electric shock.



If you notice any unusual odors or smoke around the unit, immediately disconnect the unit from the outlet and contact the service center.

- Failure to do so may result in fire or electric shock.



⚠ Warnings

When removing the batteries from the remote control, make sure children do not swallow them. Keep the batteries out of the reach of infants and children.

- If a child has swallowed a battery, seek medical attention immediately.



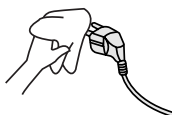
Always use two or more people to lift or move the unit.

- If the unit is dropped, it could be damaged or otherwise cause injury.



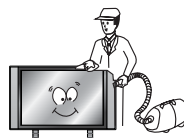
Wipe off any moisture, dirt, or dust on the power plug pins with a clean dry cloth.

- Failure to do so may result in fire or electric shock.



It is advisable to clean the interior of the unit at least once a year. Contact the store of purchase or service center for information.

- Continuing to use the unit without cleaning off the dust build-up inside it may result in fire or electric shock.



Always turn off the unit and unplug the power cord when cleaning the unit. Use a soft dry cloth to clean the unit.

- Never clean with industrial strength polish, wax, benzene, paint thinner, air freshener, lubricant, detergent, or other such chemicals. Also, do not clean with a damp cloth.



Important Safety Instructions

- Important safeguards for you and your new product

Always be careful when using your PDP Monitor. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your machine.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) 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 is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use the attachments/accessories specified by the manufacturer.
- 12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.

Important Safety Instructions



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.



WARNING

TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Caution :

- These servicing instructions are for use by qualified service personnel only.
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.
- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

A warning that an apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

Important Safety Instructions

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Important :

One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws.

Certain Canadian programs may also be copyrighted and any unauthorized recording in whole or in part may be in violation of these rights.

REGULATORY INFORMATION :

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 when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, 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.

Considerations For Usage

Still image (immovable) screen may cause permanent damage to PDP Monitor.

1. Lengthy display of still images from video games, banners, graphics and others may fatally damage the screen.
2. When using Picture-In-Picture, permanent damage may occur if the sub-image screen stays on the corner of screen for a long time.
3. When using the PDP Monitor in 4 : 3 formats with sidebars for a long period of time, it may cause damage to the plasma panel. It is recommended that you use Wide(16:9) or Panorama format. (Image burn-in can be avoided by using "Panel Protection" function or a screen-saver. However, once image burn-in occurs, it may not disappear completely. An image will be dimmed as the image is displayed long time or repeatedly.)

※ Any damage to the PDP Monitor caused by improper usage (such as image burn-in) shall not be covered by the warranty.

Defective pixels that can be seen on PDP Monitor screen. (illuminated spots, bright spots, blind spot, blinking)

Generally, PDP Monitor consists of about 1.22 million pixels and having defective pixels is possible. A PDP Monitor with a number of defective pixels below a certain number is not considered defective. The limited number of defective pixels does not affect the performance or reliability of the PDP Monitor. The standard of inspection regarding defective pixels is the same or better as the competitor's offering on similar PDP Monitor. It is not subject to replacement or a refund. We will do our best to minimize the defective pixel as best as we can.

Names of each part

Front View



1 Input Button

2 Menu Button

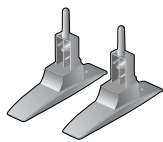
3 Up / Down ∇ , \blacktriangle Button

4 Volume \blacktriangleleft , \blacktriangleright Button

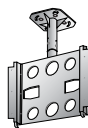
5 Standby Button

Options

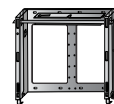
● To improve the quality of the PDP Monitor, specification is subject to change without notice. Please contact your dealer for current options available.



Stand



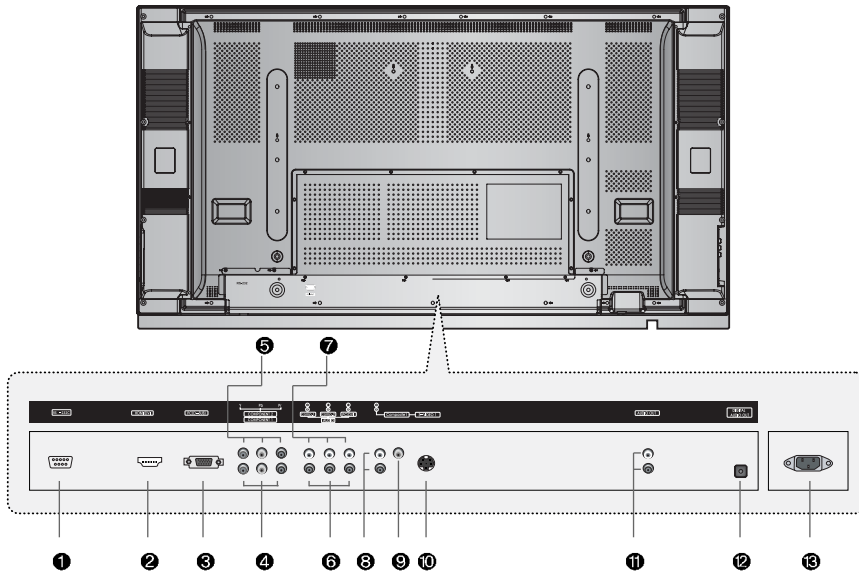
Ceiling - Mount Bracket



Adjustable - Angle
Wall mount

Controls and Functions

Back View



- | | |
|------------------------------|----------------------------------|
| ① RS-232C Terminal | ⑨ Composite 1 Terminal |
| ② HDMI/DVI Terminal | ⑩ S-Video |
| ③ Analog PC Terminal | ⑪ Stereo Output |
| ④ Component 1 Terminal | ⑫ OPTICAL (Digital Audio output) |
| ⑤ Component 2 Terminal | ⑬ AC Input |
| ⑥ PC Audio Input Terminal | |
| ⑦ Component 1 Audio Terminal | |
| ⑧ Component 2 Audio Terminal | |

Accessories

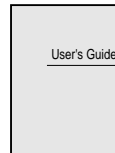
- The configuration of the components may look different from the following illustration.



Power Cord



Battery 1.5V (AAA × 2)



User's Guide



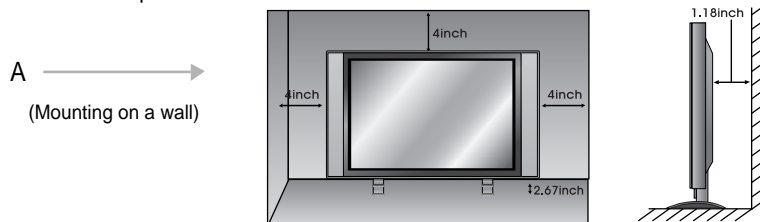
Remote Control



- Your PDP Monitor can be mounted on a Desktop as shown in the figure above.
- This is not floor-standing unit.

Wall Mounting

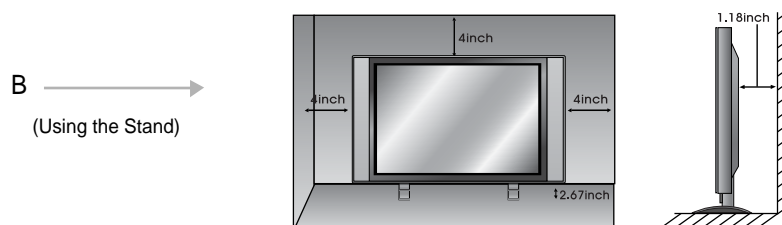
- Please secure enough space for safe use. (Please refer to A and B.)
- Installation of the PDP Monitor in an improperly ventilated location can cause a fire or damage to the PDP Monitor due to increased temperature.



※ Contact your dealer to purchase the "Adjustable-angle wall mount" required for wall-mounted installation.

Using the Stand

- Do not install on an unstable location with support area smaller than the PDP Monitor.
- Please refer to the desktop stand user's manual for details of installation.

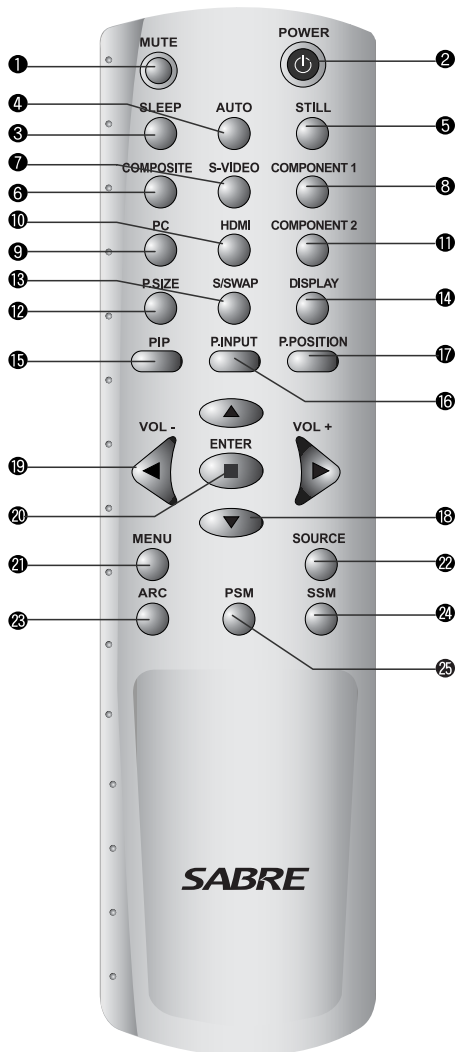


※ Please contact your dealer to purchase the "speakers".

Remote controller

※ Functions of remote controller buttons

The remote controller is using Infra-Red (IR). Point it towards the front of the PDP. The remote controller may not work correctly if it is operated out of range or out of angle.



- ① MUTE : SOUND MUTE KEY
- ② POWER : POWER ON/OFF KEY
- ③ SLEEP : SLEEP TIMER KEY
- ④ AUTO : PC INPUT SIGNAL ADJ
- ⑤ STILL : FREEZE KEY
- ⑥ COMPOSITE : COMPOSITE INPUT SELECT KEY
- ⑦ S-VIDEO : S-VIDEO INPUT SELECT KEY
- ⑧ COMPONENT1 : COMPONENT1, INPUT SELECT KEY
- ⑨ PC : PC INPUT SELECT KEY
- ⑩ HDMI : HDMI/DVI INPUT SELECT KEY
- ⑪ COMPOENET2 : COMPONENT2 INPUT SELECT KEY
- ⑫ P.SIZE : PIP SIZE SELECT KEY
- ⑬ S/SWAP : SOUND SWAP KEY
- ⑭ DISPLAY : INFORMATION DISPLAY KEY
- ⑮ PIP : PIP ON/OFF CONTROL KEY
- ⑯ P.INPUT : PIP INPUT SOURCE SELECT KEY
- ⑰ P.POSITION : PIP POSITION SELECT KEY
- ⑱ UP/DOWN (▲, ▼) : MENU CONTROL KEY
- ⑲ VOL (◀, ▶) : VOLUME +/- OR MENU CONTROL KEY
- ⑳ ENTER : SAVE THE VALUE
- ㉑ MENU : OSD MENU DISPLAY KEY
- ㉒ SOURCE : MAIN INPUT SOURCE SELECT KEY
- ㉓ ARC : ASPECT RATIO CONTROL KEY
- ㉔ SSM : SOUND STATUS MODE KEY
- ㉕ PSM : PICTURE STATUS MODE KEY

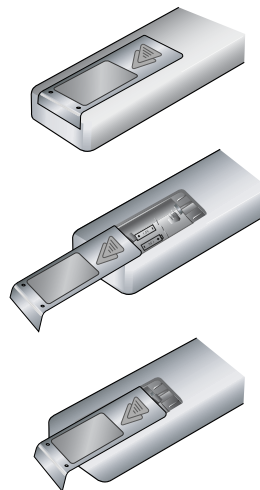
Precautions


Avoiding Remote Control Problems

1. Check the polarity (+,-) of the batteries in the remote controller.
2. Check that the batteries have power.
3. Check that the PDP Monitor is powered and that it is properly plugged in.
4. Check if any three-wavelength lamp, special fluorescent or neon sign is turned on near the PDP Monitor.

Instering Batteries in the Remote Controller

1. Open the cover out completely.
2. Insert the two supplied batteries (AAA, 1.5V). Ensure that the polarities (+ and -) of the batteries are aligned correctly.
3. Replay the cover.



 **CAUTION** : Risk of explosion if battery is replaced by an incorrect type.
Dispose of used batteries according to the national code (Recycling program).

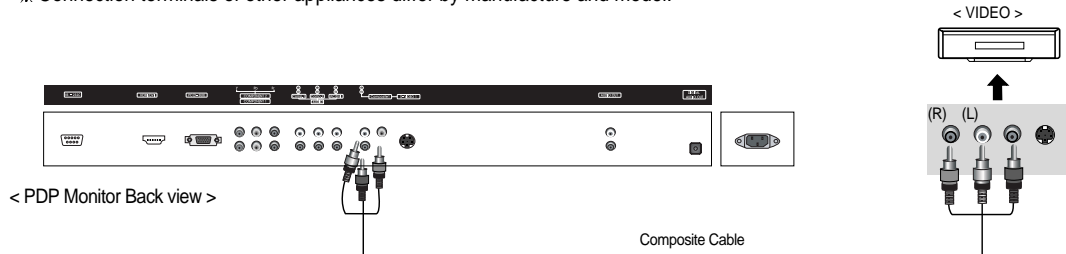
How to use remote controller

- The remote control should be operated within 23feet (7m) and 30° to the left and the right of the IR receiver on the front of the PDP Monitor.
- Used batteries should be disposed properly.

VCR Connections

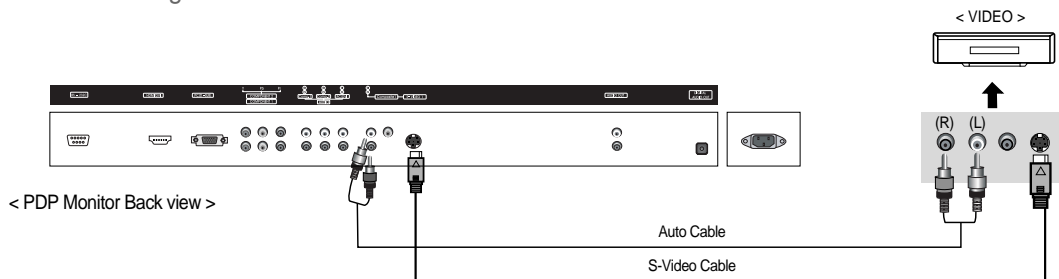
● Connecting to the composite terminal

※ Connection terminals of other appliances differ by manufacture and model.



· Connect the PDP Monitor's Composite terminal to the VCR's Composite Out terminal using the Composite cable.
(Make sure the colour of the terminals and the colour of the cable are the same)


● Connecting to the S-Video terminal



※ Use the S-Video cable for higher picture quality.

Playing the VCR

1. Turn on the PDP Monitor and press  on the remote controller.

2. Use  to move to "Composite".

· If S-Video has been connected, select "S-Video".

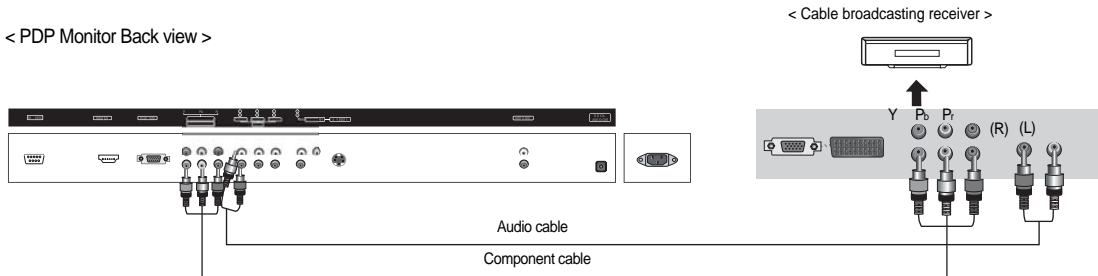
3. Turn on the VCR, insert the tape and press play button.

Cable TV Connections

● Connecting to the component terminal

- ※ In order to watch Cable TV, Subscribe to your local Cable TV company and install a separate converter(Set-Top-Box)
- ※ Connection terminals of other appliances differ by manufacture and model.

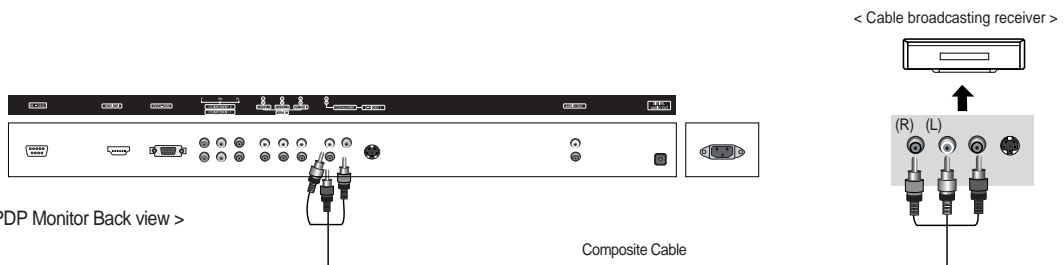
< PDP Monitor Back view >



1. Connect PDP Monitor's Y, Pb, Pr terminal in Component 1/2 to the Cable broadcasting receiver's Component Out terminal using the component cable.
2. Connect PDP Monitor's Audio terminals (left & right) in Component 1/2 to the Cable broadcasting receiver's Audio Out terminal using the Audio cable.

● Connecting to the composite terminal

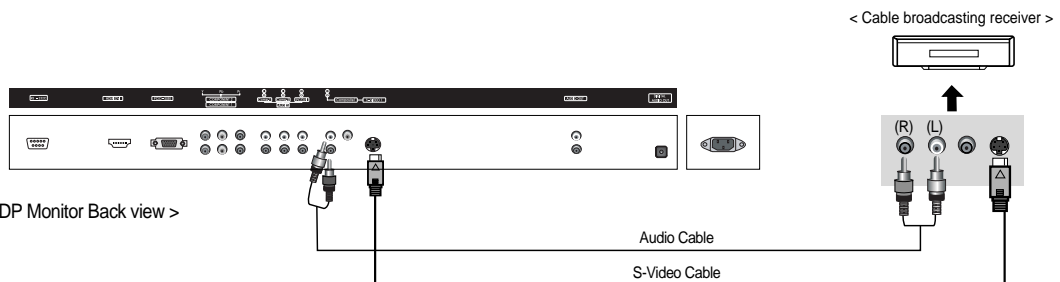
< PDP Monitor Back view >



- Connect the PDP Monitor's Composite terminal to the Cable broadcasting receiver's Composite Out terminal using the Composite cable. (Make sure the colour of the terminals and the colour of cable are the same)



● Connecting to S-Video terminal

< PDP Monitor Back view >



- ※ S-Video cable can be used if there is an S-Video terminal.

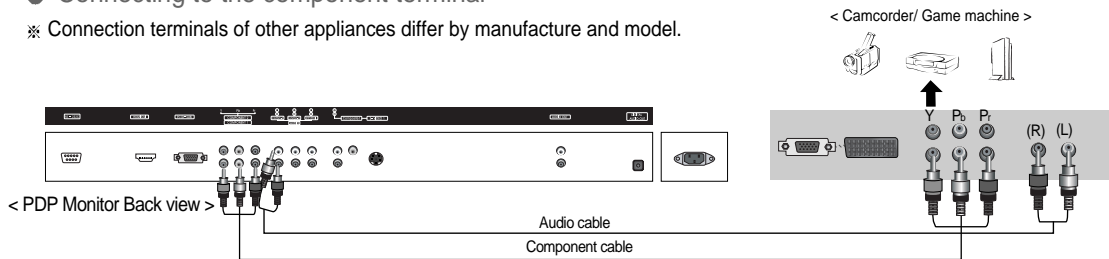
Viewing Cable TV

1. Turn on the PDP Monitor and press  on the remote controller.
2. Use  to move to "Component1/2".
 - If S-Video has been connected, select "S-Video".
 - If SCART terminal has been connected, select "SCART1" or "SCART2".
 - If Composite has been connected, select "Composite".
3. Turn on the cable broadcasting receive and select the channel you wish to view.

Camcorder/Game Console Connections

● Connecting to the component terminal

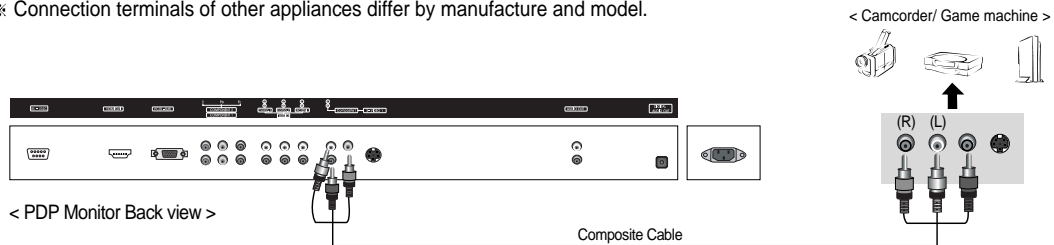
※ Connection terminals of other appliances differ by manufacture and model.



1. Connect PDP Monitor's Y, Pb, Pr terminal in Component 1/2 to the Camcorder/game console's Component Out terminal with the Component cable.
2. Connect PDP Monitor's Audio terminals (left & right) in Component 1/2 to the Camcorder/game console's Audio Out terminal using the Audio cable.

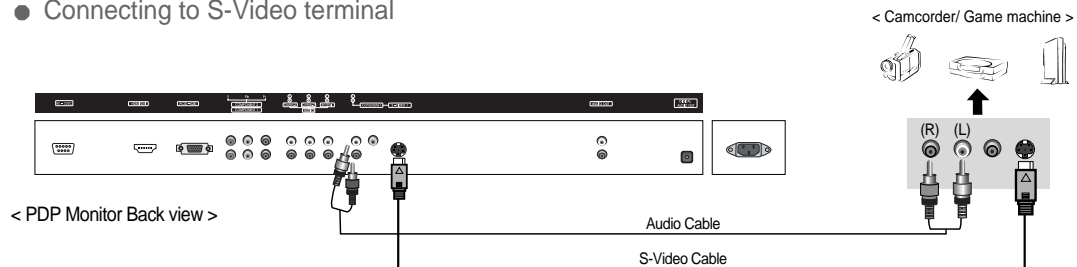
● Connecting to the composite terminal

※ Connection terminals of other appliances differ by manufacture and model.



- Connect the PDP Monitor's Composite terminal to the camcorder/game console's Composite Out terminal with the Composite cable. (Make sure the colour of the terminals and the colour of cable are the same)


● Connecting to S-Video terminal



※ S-Video cable can be used if there is an S-Video terminal.

Using Camcorder/Game Console

1. Turn on the PDP Monitor and press  on the remote controller.

2. Use  to move to "Component 1/2".

- If S-Video has been connected, select "S-Video".
- If Composite has been connected, select "Composite".

3. Turn on the Camcorder or video game and Set to Video mode.

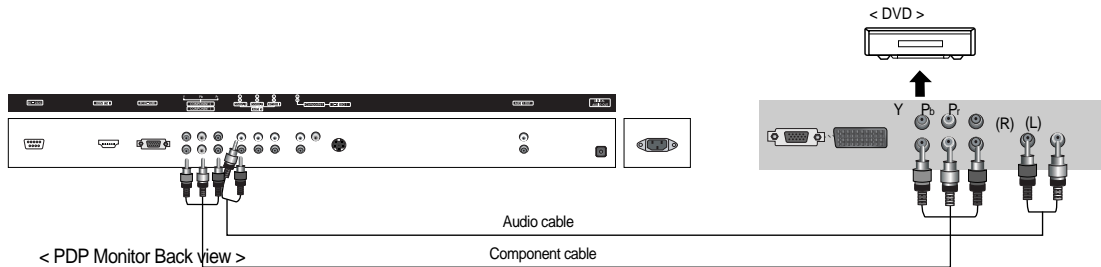
(Please refer to the User's manual of Camcorder/ Video game for more information)

4. Insert tape into Camcorder and press play button or insert disc into the Video game console.

DVD Connections

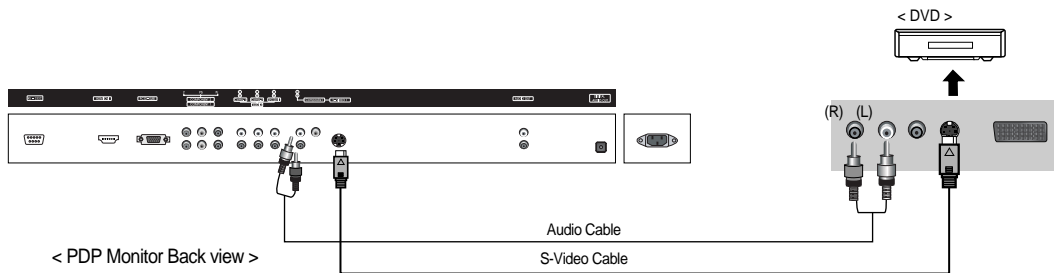
● Connecting to the component terminal

※ Connection terminals of other appliances differ by manufacture and model.



1. Connect PDP Monitor's Y, Pb, Pr terminal in Component 1/2 to DVD's Video Out terminal using the Component cable.
2. Connect PDP Monitor's Audio terminals (left & right) in Component 1/2 to DVD's Audio Out terminal using the Audio cable.

● Connecting to the S-Video terminal

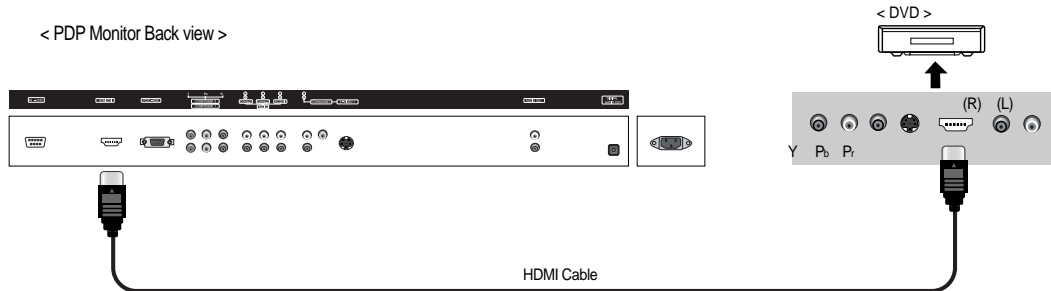


※ S-Video cable can be used if there is an S-Video terminal.

DVD Connections

● Connecting to the HDMI terminal


< PDP Monitor Back view >



- Connect the HDMI terminal of the PDP Monitor to the DVD with the HDMI cable.

Playing the DVD

1. Turn on the PDP Monitor and press  on the remote controller.

2. Use  to move to "Component 1/2".

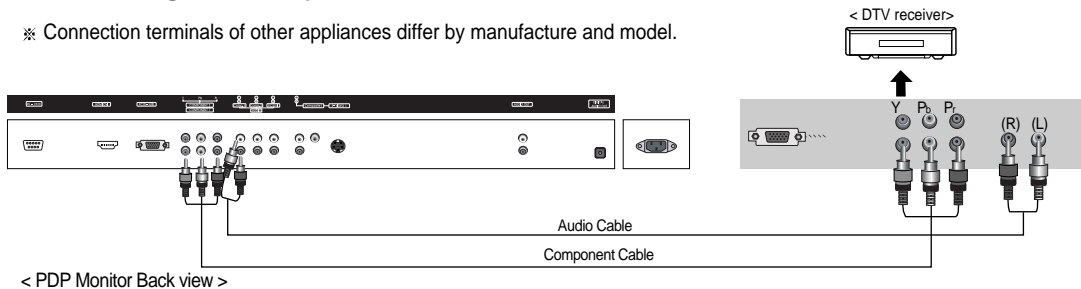
- If S-Video has been connected, select "S-Video".
- If HDMI terminal has been connected, select "HDMI".

3. Turn on the DVD, insert the DVD and press Play button.

DTV Connections

● Connecting to the component terminal

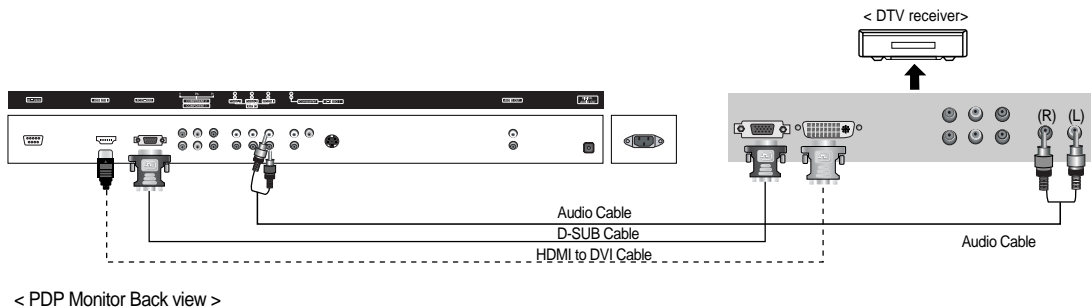
※ Connection terminals of other appliances differ by manufacture and model.



1. Connect PDP Monitor's Y, Pb, Pr terminal in Component 1/2 to Video receiver's Video Out terminal using the Component cable.
2. Connect PDP Monitor's Audio terminals (left & right) in Component 1/2 to DTV receiver's Audio Out terminal using the Audio cable.



※ DTV receiver's output terminal can be marked Y, Pb, Pr or Y, Cb, Cr according to products.

● Connecting to the D-SUB or HDMI terminal



- Some of DTV receiver(Set-Top-Box) have an PC Connector (D-Sub 15pin) instead of Component output .
- Some of DTV receiver(Set-Top-Box) have an DVI Connector instead of Component output .
- Connect Audio Cable from the Audio output terminal of receiver to the PC Audio input terminal of the PDP Monitor.

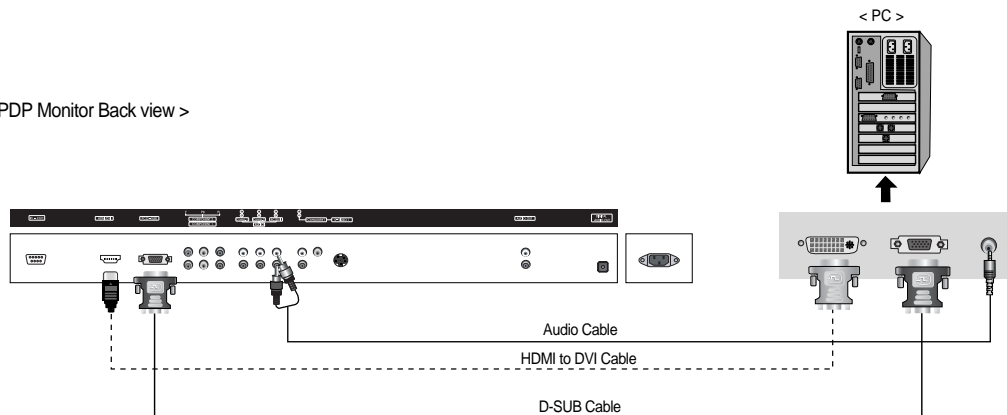
Viewing DTV

1. Turn on the PDP Monitor and press  on the remote controller.
2. Use  to move to "Component 1/2".
 - If D-Sub 15 Pin terminal has been connected, select "PC".
 - If HDMI terminal has been connected, select "HDMI".
3. Turn on the DTV receiver and select the channel that you want.

PC Connections

※ Connection terminals of other appliances differ by manufacture and model.

< PDP Monitor Back view >



- Connect PDP Monitor's RGB terminal to PC's RGB terminal using the D-Sub cable.
- Connect PDP Monitor's PC Audio terminal to PC's Audio terminal using the Audio cable.
(Only possible for PC's with Audio terminal)
- If there is a DVI- D terminal in your PC, use the HDMI to DVI cable connection.

How to Use as PC

1. Turn on the PDP Monitor and press  on the remote controller.

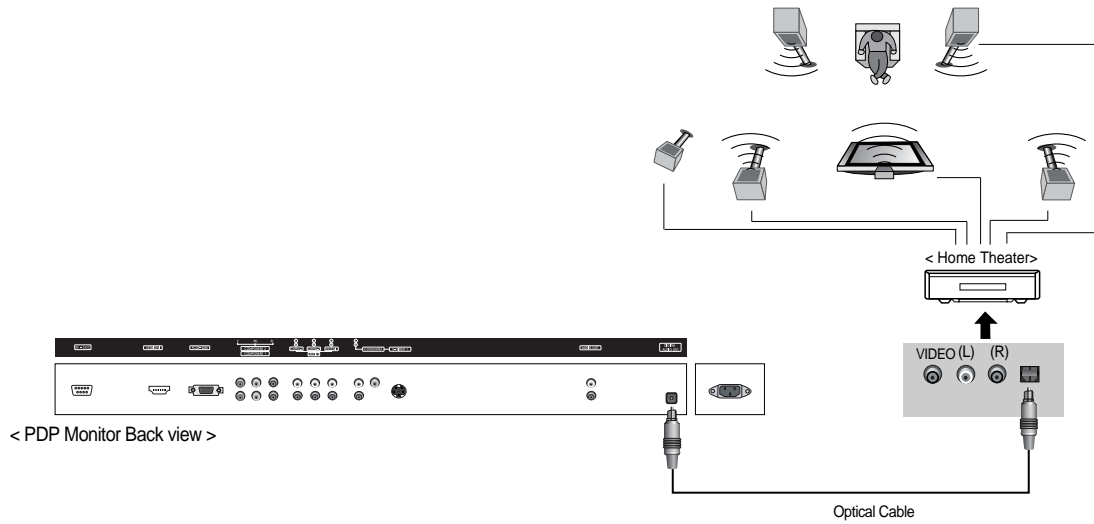
2. Use  to move to "PC".

- If HDMI has been connected, select "HDMI".

3. Set the PC video output mode to VGA (640 × 480)/ SVGA (800 × 600)/ XGA (1024 × 768), SXGA (1280 × 1024, 60Hz). In the mode higher than SXGA (1280 × 1024, 60Hz) "Out of Range" message appears. Be sure to change your PC video format to less than SXGA mode.

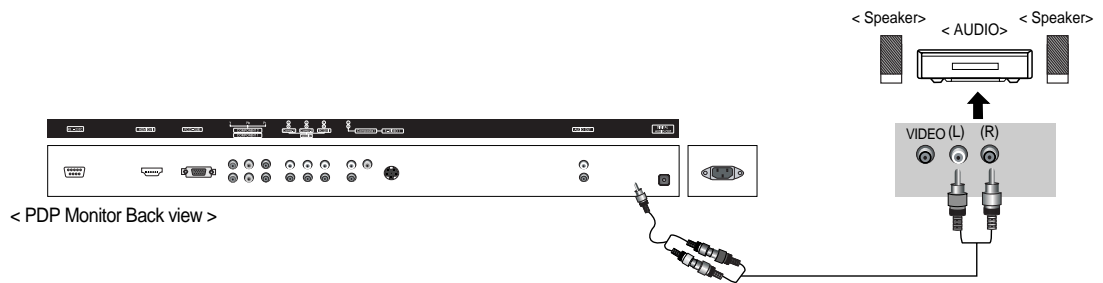
Home Theater Connections

※ Connection terminals of other appliances differ by manufacture and model.



· Connect PDP Monitor's Digital Audio Out terminal to Home Theater's Optical terminal using the Optical Cable.

Stereo Out Connections



· Connect PDP Monitor's Stereo Out terminal to Audio's Audio out terminal using the Audio Out Cable.

Powering the PDP Monitor

- Prior to using the PDP Monitor.
 - Insert the power plug.
- Connect external equipment properly.
 - Please use only after carefully reading this manual.
 - Check the power connection to the AC outlet and the connection of AC input to the PDP Monitor.
- Power on/ off
 - To turn the PDP Monitor on :
 - Press the "Standby" button.
 - To turn the PDP Monitor off :
 - Press "Standby" button on the PDP Monitor.
 - If ON Time setting is set, the standby power should be ON.
 - To turn on/off by remote controller :
 - Press the Power button of remote controller (If the PDP Monitor is not turned on, check that the AC Power Cord on the PDP Monitor main body is connected. The standby power indicator will light up red if turned on).

⚠ CAUTION - After unplugging the power cord, please wait at least more than 3 seconds to connect the power cord back on.

Initial Settings

· When the brand new television set it turned on for the first time, following settings can be set using the plug and play function of the TV.

● Using the menu

Press



Use



to move to the desired "Language".

Press



to select.
· the desired Language

Press



to go back to the previous menu.



Watching TV

- Volume Control



increases the volume.

decreases the volume.



- To turn off only sound

- Use the mute function to turn off the PDP Monitor sound for a while, when a phone or a bell rings.

Press



button again to hear the sound again.



- INFO - To check the current state

Press



button on the remote control.

- Display shows user's setting and selections.

| Information | |
|-------------|---------------|
| Component 1 | 720x480P 60Hz |
| Screen Mode | Movie |
| Sound Mode | Standard |
| Sleep Timer | Off Timer |
| Clock | 00 : 00 |
| Size | 4:3 |

Press



button or wait 4 seconds for the display to disappear.

Selecting TV/External Input

- You can between the TV signal and the input signal of other appliances connected to the TV.
- Use this function to switch to the input source you wish to view.

Press



Use



to move to the desired item.

Press



to select.



- ※ You can connect, Composite, S-Video, Component1/2, PC and HDMI to the TV set and enjoy these functions.
- ※ All input sources will be automatically detected and displayed on screen.

Using the Menu

Press



- The menu screen will appear.

Use



(left, right arrows) to move the cursor to the desired function.

Press



to get into the sub menu.

Press



to adjust the setting.







Press

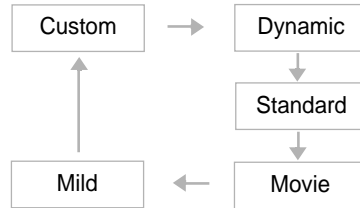


to go back to the previous menu.









Changing Picture Settings

- Press  .
- Use  to move to  .
- Press  to move to "Mode".
- Use  select between Custom/ Dynamic/ Standard/ Move/ Mild.
- Press  to go back to the previous menu.



- Custom : Select to set user's preferences.
- Dynamic : Select when using the PDP Monitor in a brightly lit environment.
- Standard : It is the best screen setting.
- Movie : Select when watching a movie.
- Mild : Select when using the PDP Monitor in a dimly lit environment.

● Custom Picture Adjustment

- Press  .
- Use  to move to  .
- Use  select between Brightness/ Contrast/ Colour/ Sharpness/Tint.
- Use  to adjust the setting.
- Press  to go back to the previous menu.






Brightness [00]


> Custom Mode


- Brightness : It adjusts the brightness of the image.
- Contrast : It adjusts the contrast of image.
- Tint : It adjusts the natural tint of the image. (This mode appears only NTSC Video format connected.)
- Colour : It adjusts the intensity of the colour.
- Sharpness : It adjusts the clarity of the image.


Changing Sound Settings

Press  .


Use  to move to  .



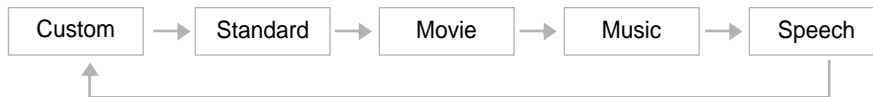
Press  to move to " Mode".

Use  select between Custom, Standard, Music, Movie, Speech.

Press  to go back to the previous menu.
















or

Press  .

- Standard : It is the flat sound setting with no equalizer effect at all.
- Music : It is preset for music listening.
- Movie : It is preset sound for watching a movie.
- Speech : It is preset for hearing vocal audio clearly.
- Custom : Select when listening to the sound to user's preference.

Custom Sound Adjustment

| | | | | |
|-------|--|----------------------------------|---|--|
| Press |  | . | | |
| Use |  | to move to |  | |
| Press |   | to move to " Equalizer". | |  |
| Press |   | to select. | |  |
| Use |   | to move to the desired category. | |  |
| Use |   | to adjust the setting. | | |
| Press |  | to go back to the previous menu. | | |



> Custom Mode


- Volume : It adjusts the sound volume.
- Balance : It adjusts the volume of speakers on the left and the right.
- Equalizer : It adjusts the volume by frequency bands and the user can select the desired sound quality.


Selecting the Menu Language


- Menu screen can be viewed in the language preferred by the user.

Press  .

Use  to move to  .

Press  to move to "Language".

Use  to select the desired language.


Press  to go back to the previous menu.





Setting OSD Tone Menu Background

Press  .

Use  to move to  .

Press  to move to "OSD Tone".

Use  to select the "On" or "Off".

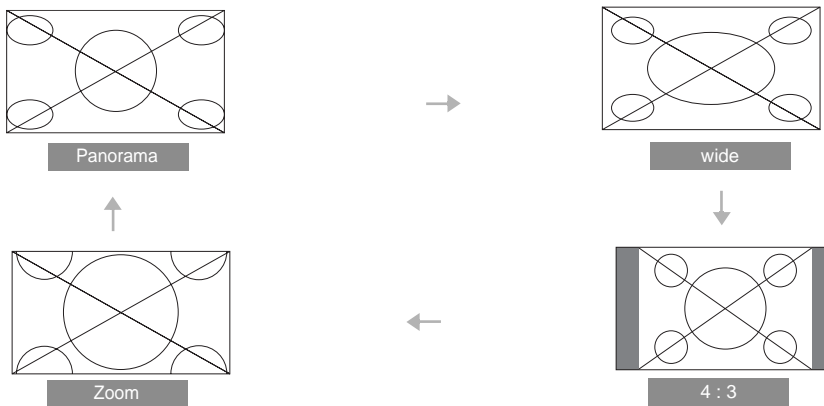
Press  to go back to the previous menu.



Changing Screen Size



- In PC input mode, you can only select either the wide or the 4 : 3 mode.



To view the still picture



- Picture will freeze, but sound will continue to be heard.



> Screen Size

- wide - It makes 16 : 9 format for input signal.
- Panorama - It makes 4 : 3 format fit into 16 : 9 format with minimal loss in content.
- Zoom - It enlarges the natural screen factor by approx. 5 %
- 4 : 3 - It is the standard format of broadcasting.

Viewing Picture in Picture


Press



.

Use



to move to .

Press



to move to "Mode".

Use



to select the "PIP".

Press



to go back to the previous menu.

• Or press



.

• Sound from only one of the screens may be heard.



● External Input

Press



to move to "Sub Input Source"

Use



to select the desired input source.

Press



to go back to the previous menu.

• Or press



.

• The sub-screen can be changed to display picture from the desired input source.



● Changing the Screen Size

Press



to move to "Mode".

Use



to select the "PIP" or "PBP".

Press



to go back to the previous menu.

• Or press





.




Viewing Picture in Picture


● Selecting Position

Press  to move to "Position".

Use  to select the desired position.


Press  to go back to the previous menu.


• Or press  .


• Sub-screen position can be selected only from the  .



● Selecting Sub Screen Sound

Press  to move to "Sound Select".

Use  to select the "Main" or "Sub".

Press  to go back to the previous menu.

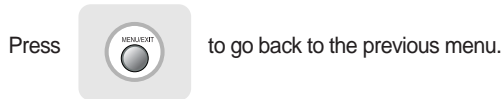
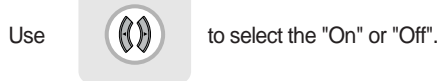
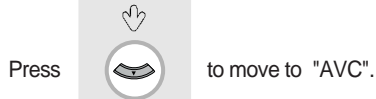
• Or press  .

• The sound of the sub screen can be selected when PIP is being displayed.

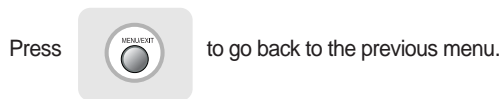
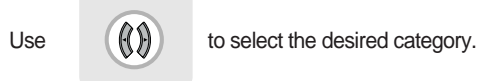
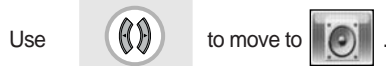



Auto Volume Control

- This feature maintains an equal Volume level ; even if you change channels.



Stereo Settings



- Or press  . (Multi Television Sound)

Resetting PDP Monitor Settings

- It resets all of the parameters to the factory default.

Press



.

Use



to move to



.

Press



to move to "Reset".

Press



to select.

Use



to select the "Yes" or "No".

Press



to select.



※ The PDP Monitor will turn off. The parameters will be set to factory default.

Press



.

Use



to move to



.



Press



to move to "Time".

Press



to select.



Use



to move to "time".

Use digit key to adjust the desired hour and minute.

Press






to go back to the previous menu.

※ You can set your local time by adjusting the differences from GMT, according to your location.



Automatic Power On/Off


- Clock time must be set

















Press  .

Use  to move to  .

Press  to move to "Time".


Press  to select. Press  to go back to the previous menu.



| | Setting Time for Power On | Setting Time for Power Off |
|--|---|--|
| Setting Hour | | |
| Use  to select, digit key to set |  |  |
| Setting Minute | | |
| Use  to select, digit key to set |  |  |
| Set/Cancel | | |
| Use  to select,  to select the "On" or "Off" |  |  |
| Channel Select | | |
| Use  to select,  to set program |  | |
| Volume Control | | |
| Use  to select,  to set volume |  | |

- It sets the current time and then the automatic turn on/off can be set. The time settings are retained only if the AC Power Cord is unplugged, the time is reset. To retain the time setting, do not unplug the AC Power Cord.

- To have the Monitor turn off after you fall a sleep

Press  .

- It automatically turns off the Monitor after a designated period of time
- Depending on the number of times the "Sleep" button is pressed, the Monitor will be turned off after 30, 60, 90, 120, 150 or 180 minutes.

Using TV as a Monitor

Press



Use



to move to "PC".

Press



to select.



- PC Mode must be on in order for you to use the TV as a monitor.

Adjusting PC Screen


- Use this function to remove or reduce noise impacts in case TV vibrates and image boundary is unstable

Press



Use



to move to  .



Use



to move to desired category.

Use



to adjust the setting.

Press



to go back to the previous menu.



- Auto : Use when the screen is not focused or centered.
- H-Position : It moves the image on the screen horizontally.
- V-Position : It moves the image on the screen vertically.

Adjusting Colour Tone

Press



.

Use



to move to



.



Use



to move to "Colour Tone"

Press



to select.



Use



to select the desired category.

Use



to adjust the setting.



Press



to go back to the previous menu.

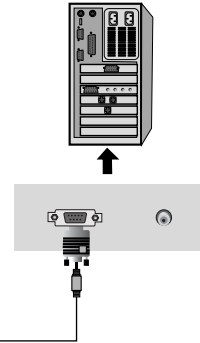
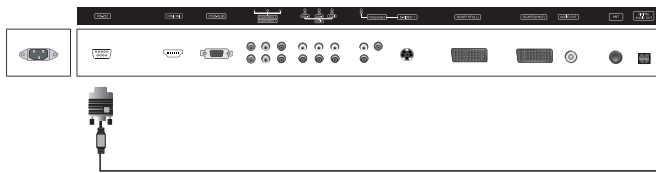
. Phase : It adjusts the phase shift of the image. Use when image appears blurry or out of focus.

External adjustment

- Use the RS-232C jack o control monitor's functions externally by external equipment.

- How connect a external equipment

<Back view of the PDP Monitor>



Set ID


- Use this function to choose monitor ID number.

Press



Use



to move to .

Press



to move to "Set ID".

Press



to select.

Use



to select the desired ID number.

Press



to go back to the previous menu.

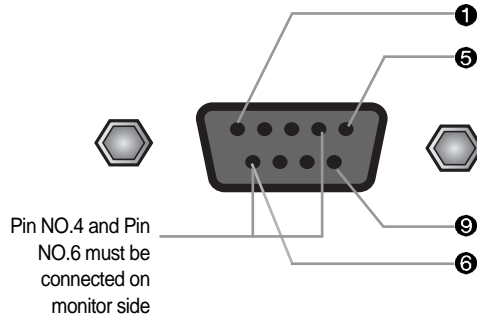


- The adjustment range of Set ID is 1~99.

Special features

- Type of connector : D-Sub 9-pin male

| No. | Pin name |
|-----|----------------------|
| 1 | No connection |
| 2 | RXD (Receive data) |
| 3 | TXD (Transmit data) |
| 4 | DTR (DTE side ready) |
| 5 | GND |
| 6 | DSR (Dce side ready) |
| 7 | RTS (Ready to send) |
| 8 | CTS (Clear to send) |
| 9 | No Connection |

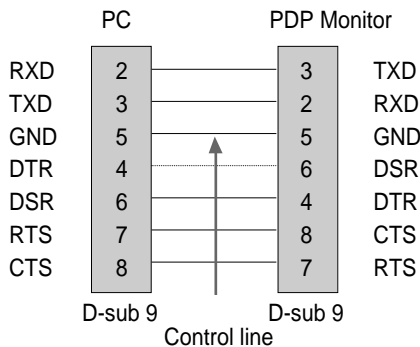


- Use a crossed (reverse) cable.

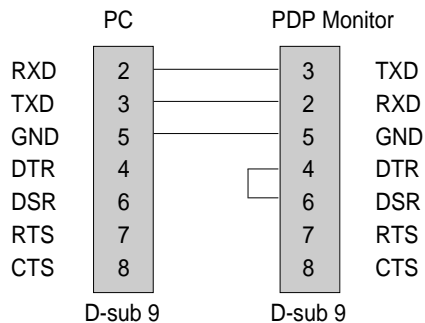
Wire the cable so that each pair of data lines cross between the two devices. These data line pairs are RXD (Receive to send) and TXD (Transmit data), DTR (DTE side ready) and DSR (DCE side ready), and RTS (Ready to send) and CTS (Clear to send).

- RS-232C configurations

· 7-wire configuration
(Standard RS-232C cable)



· 3-wire configuration
(Not standard)



RS232C Communication Protocol

● COMMUNICATION PARAMETERS

- BAUD RATE : 19200 bps
- Data Length : 8bits
- Parity : None
- Stop bit : 1bit

● Command List

| Item | ASCII Code | Data(hex) |
|-------------------|------------|-----------|
| 1. Power | p | 00h~01h |
| 2. Input Source | i | 00h~07h |
| 3. Aspect Ratio | r | 00h~08h |
| 4. Volume Mute | w | 00h~01h |
| 5. Volume Control | v | 00h~64h |
| 6. Screen Mode | s | 00h~04h |
| 7. Brightness | b | 00h~64h |
| 8. Contrast | k | 00h~64h |

| Item | ASCII Code | Data(hex) |
|-------------------|------------|-----------|
| 9. Information | f | 00h~01h |
| 10. Pip On | o | 00h~01h |
| 11. Pip Source | u | 00h~07h |
| 12. Pip Location | n | 00h~03h |
| 13. Pip Sound set | e | 00h~01h |
| 14. Pip Mode | d | 00h~02h |
| 15. Sound Mode | y | 00h~04h |

● Transmission / Receiving Protocol List

* Transmission

{Command}{ }{SET ID}{ }{Data}{Cr}

- {Commad} To Control Code PDP Monitor
- { } "Space , ASCII Code = 0x20"
- {SET ID} You Can Adjust SET ID Setup Menu of PDP Monitor
- {Data} Data Command
Transmit 'FF' data to data read mode
- {Cr} Carriage Return
ASCII Code 0x0d

* Ok Acknowledge

{SET ID}{:}{OK}{x}{Data}{x}

- The PDP Monitor set transmits ASCII based on this format When receiving normal data. At this time, If the data is data read mode, it indicates present status data if the data is data write mode, it returns the data of PC.

* In case set ID is 0, Ack data doesn't feed back, and you can adjust all PDP Monitor set.

RS232C Communication Protocol

1. Power : p

▶ To Control Power On/Off of the PDP Monitor

* Transmission

```
{p}{SET ID}{Data}{Cr}
```

Data 0 : Off

Data 1 : On

* Ack

```
{SET ID}{:}{OK}{x}{Data}{x}
```

Data 0 : Off

Data 1 : On

▶ Read Power On Source Status

* Transmission

```
{p}{SET ID}{:}{FF}{Cr}
```

* Ack

```
{SET ID}{:}{OK}{x}{Data}{x}
```

Data 0 : TV

Data 1 : Scart 1

Data 2 : Scart 2

Data 3 : Composite

Data 4 : S-Video

Data 5 : Component 1

Data 6 : Component 2

Data 7 : HDMI

Data 8 : PC

※ If Other Functions Transmit 0xFF data based on this format, Ack data feeds back present status about each function.

2. Input Source : i

▶ To Input Source Select

* Transmission

```
{i}{SET ID}{Data}{Cr}
```

Data 0 : TV

Data 1 : Scart 1

Data 2 : Scart 2

Data 3 : Composite

Data 4 : S-Video

Data 5 : Component 1

Data 6 : Component 2

Data 7 : HDMI

Data 8 : PC

* Ack

```
{SET ID}{:}{OK}{x}{Data}{x}
```

Data 0 : TV

Data 1 : Scart 1

Data 2 : Scart 2

Data 3 : Composite

Data 4 : S-Video

Data 5 : Component 1

Data 6 : Component 2

Data 7 : HDMI

Data 8 : PC

3. Aspect Ratio : r

▶ To adjust screen format

* Transmission

```
{r}{SET ID}{Data}{Cr}
```

Data 0 : Auto wide

Data 1 : Wide

Data 2 : 4:3

Data 3 : Zoom

Data 4 : Panorama

* Ack

```
{SET ID}{:}{OK}{x}{Data}{x}
```

Data 0 : Auto wide

Data 1 : Wide

Data 2 : 4:3

Data 3 : Zoom

Data 4 : Panorama

RS232C Communication Protocol

4. Volume Mute : w

▶ To Select volume mute on/off

* Transmission

```
{w}{SET ID}{Data}{Cr}
```

Data 0 : On

Data 1 : Off

* Ack

```
{SET ID}{:}{OK}{x}{Data}{x}
```

Data 0 : On

Data 1 : Off

5. Volume Control : v

▶ To adjust volume

* Transmission

```
{v}{SET ID}{Data}{Cr}
```

Data : Min : 00h~Max : 64h

* Ack

```
{SET ID}{:}{OK}{x}{Data}{x}
```

Data : Min : 00h~Max : 64h

6. Screen Mode : s

▶ To Select Screen Mode

* Transmission

```
{s}{SET ID}{Data}{Cr}
```

Data 0 : Custom

Data 1 : Dynamic

Data 2 : Standard

Data 3 : Movie

Data 4 : Mild

* Ack

```
{SET ID}{:}{OK}{x}{Data}{x}
```

Data 0 : Custom

Data 1 : Dynamic

Data 2 : Standard

Data 3 : Movie

Data 4 : Mild

7. Brightness : b

▶ To adjust Brightness

* Transmission

```
{b}{SET ID}{Data}{Cr}
```

Data : Min : 00h~Max : 64h

* Ack

```
{SET ID}{:}{OK}{x}{Data}{x}
```

Data : Min : 00h~Max : 64h

8. Contrast : k

▶ To adjust Contrast

* Transmission

```
{k}{SET ID}{Data}{Cr}
```

Data : Min : 00h~Max : 64h

* Ack

```
{SET ID}{:}{OK}{x}{Data}{x}
```

Data : Min : 00h~Max : 64h

9. Information : f

▶ Information on/off

* Transmission

```
{f}{SET ID}{Data}{Cr}
```

Data 0 : On

Data 1 : Off

* Ack

```
{SET ID}{:}{OK}{x}{Data}{x}
```

Data 0 : On

Data 1 : Off

10. Pip On : o

▶ Pip on/off

* Transmission

```
{o}{SET ID}{Data}{Cr}
```

Data 0 : On

Data 1 : Off

* Ack

```
{SET ID}{:}{OK}{x}{Data}{x}
```

Data 0 : On

Data 1 : Off

RS232C Communication Protocol

11. Pip Source : u

▶ To Select Pip Source

* Transmission

{u}{SET ID}{Data}{Cr}

Data 0 : TV

Data 1 : Scart 1

Data 2 : Scart 2

Data 3 : Composite

Data 4 : S-Video

Data 5 : Component 1

Data 6 : Component 2

Data 7 : HDMI

Data 8 : PC

* Ack

{SET ID}{:}{OK}{x}{Data}{x}

Data 0 : TV

Data 1 : Scart 1

Data 2 : Scart 2

Data 3 : Composite

Data 4 : S-Video

Data 5 : Component 1

Data 6 : Component 2

Data 7 : HDMI

Data 8 : PC

12. Pip Location : n

▶ To Select Pip Position

* Transmission

{n}{SET ID}{Data}{Cr}

Data 0 : Right Top

Data 1 : Left Top

Data 2 : Left Top

Data 3 : Right Bottom

* Ack

{SET ID}{:}{OK}{x}{Data}{x}

Data 0 : Right Top

Data 1 : Left Top

Data 2 : Left Top

Data 3 : Right Bottom

13. Pip Sound Set : e

▶ To Select Pip Sound

* Transmission

{e}{SET ID}{Data}{Cr}

Data 0 : Main

Data 1 : Sub

* Ack

{SET ID}{:}{OK}{x}{Data}{x}

Data 0 : Main

Data 1 : Sub

14. Pip Mode : d

▶ To Select Pip Mode

* Transmission

{d}{SET ID}{Data}{Cr}

Data 0 : Single

Data 1 : PIP

Data 2 : PBP

* Ack

{SET ID}{:}{OK}{x}{Data}{x}

Data 0 : Single

Data 1 : PIP

Data 2 : PBP

15. Sound Mode : y

▶ To Select Sound Mode

* Transmission

{s}{SET ID}{Data}{Cr}

Data 0 : Custom

Data 1 : Standard

Data 2 : Movie

Data 3 : Music

Data 4 : Speech

* Ack

{SET ID}{:}{OK}{x}{Data}{x}

Data 0 : Custom

Data 1 : Standard

Data 2 : Movie

Data 3 : Music

Data 4 : Speech

Trouble shooting

- In case a problem occurs with your PDP Monitor, please take the following steps first.
- If you still have the problem, turn the power off and contact your dealer or an authorized service center.

● Screen related Matters

| Problem | Action |
|--|--|
| The screen does not appear. | Is the power plug pulled out? Insert the power plug. Turn the main power button on and press the power button of the remote controller. |
| The screen appears too slowly after the power is turned on. | This problem occurs for a brief time in the process of image elimination processing in order to hide temporary screen noise that occurs when the power is turned on. But if the screen does not come after 1 minute has passed, contact your dealer or an authorized service center. |
| Screen is too bright or too dark. | Perform brightness adjustment or Contrast adjustment. (Please refer to page 34) |
| Screen is too large or too small. | Adjust the screen size. (Please refer to page 38) |
| Stripes appear on the screen and it shakes. | Stop using wireless telephones, hair driers and electric drills. |
| Simultaneous Screen does not appear. | Check that PDP Monitor and external equipment are connected. Check the inputs of simultaneous screen by pressing sub-screen selection. |
| The screen does not move. | Press the STILL button. (Please refer to page 42) Check if the Pause button is pressed on external equipment. |
| Computer Input Screen is abnormal. | Perform manual fine adjustment (Please refer to page 50). |
| Automatic Turn On does not work. | Automatic Turn On function works only when turning the PDP Monitor off with the remote controller or Standby button. |
| The screen shows snow or black patterns and then reverts to a clear picture. | The problem only occurs with DVI input when an abnormal signal is issued during an authorization process for a High-bandwidth Digital Content Protection (HDCP) compatible device. While it may vary depending on the actual device, the screen reverts to normal within a short time (5-7 seconds). |
| The screen flickers in multi-screen mode (PIP/PBP). | The problem occurs when both main and sub screens are supplied with interlaced signals. Whilst an internal de-interlacer should remove any trembling that occurs with interlaced signal input, either of the screens can still tremble when both screens are input with interlaced signals, because there is only one de-interlacer available. |

● Sound related Matters

| Problem | Action |
|------------------------------------|--|
| Screen appears, Voice is not heard | <ol style="list-style-type: none"> 1. Press the "Mute" button. (page 30) 2. Increase the sound by pressing volume adjustment button. 3. Check if voice terminal of external input is connected properly. 4. Check if speaker cables are connected properly. 5. If it is on PIP mode, convert audio of main screen and sub screen by pressing SOUND SEL. 6. Select and check the other input. If the sound still does not work and the other channels are the same after you have done as the above, contact your dealer or an authorized service center. 7. Check if the headphone jack gets plugged in. 8. Check if the speaker on/off selection at "On" in sound mode. |
| Lots of noise (static) occurs. | When connecting a Set-Top-Box, check that it is on stereo broadcasting. If it is, the TV program may not be available or the reception may be bad. Check the audio source with another player. If that source is good, contact your dealer or an Authorized service center. |

Trouble shooting Tips

● Others

| Problem | Action |
|------------------------------------|--|
| Remote controller does not work. | <ol style="list-style-type: none"> 1. Check if main power is On. 2. Check that the batteries of the remote controller were loaded properly. 3. Check to see if any obstacle exists between the PDP Monitor and the remote controller and remove it, if any. 4. If the batteries have no power, replace them with two new batteries. 5. Please check out current mode of function key. |
| PDP Monitor makes strange noise. | It is the noise when the mechanism expands or contracts from to changes to the environment due to factors such as humidity, temperature, etc. It is not a failure. |
| PDP Monitor indication lamp is On. | The red means the Stand-by power is ON. It will take a few seconds to turn off as the main power is off. |

- This PDP Monitor is for household use and registered as suitable on electromagnetic waves.
- Therefore, you can use it in every location as well as residential areas.
- For improvement of product's quality, program can be upgrade without customer's agreement.

Supported Display Modes

● PC mode

| Resolution | Horizontal Frequency (KHz) | Vertical Frequency (Hz) |
|-------------|----------------------------|-------------------------|
| 640 × 480 | 31.47 | 60 |
| | 37.86 | 72 |
| | 37.50 | 75 |
| 720 × 400 | 31.47 | 70 |
| 800 × 600 | 35.15 | 56 |
| | 37.88 | 60 |
| | 48.88 | 72 |
| | 46.88 | 75 |
| 1024 × 768 | 48.36 | 60 |
| | 56.48 | 70 |
| | 60.02 | 75 |
| 1280 × 1024 | 64.0 | 60 |

● Considerations in Installation

- If any signal of unsupported resolution is input, the "Out of Range" message appears.

Supported Display Modes

● Component Mode [Y, C_b(P_b), C_r(P_r)]

| Resolution | Horizontal Frequency (KHz) | Vertical Frequency (Hz) | |
|-------------|----------------------------|-------------------------|----------------|
| 720 × 480 | 15.73 | 60.00 | SDTV, DVD 480i |
| 720 × 576 | 15.63 | 50.00 | SDTV, DVD 576i |
| 720 × 480 | 31.47 | 59.94 | SDTV, 480p |
| 720 × 576 | 31.25 | 50.00 | HDTV, 576p |
| 1280 × 720 | 37.50 | 50.00 | HDTV, 720p |
| 1280 × 720 | 45.00 | 60.00 | HDTV, 720p |
| 1920 × 1080 | 28.12 | 50.00 | HDTV, 1080i |
| 1920 × 1080 | 33.75 | 60.00 | HDTV, 1080i |

- If any signal of unsupported resolution is input, the "Out of Range" message appears.

● PIP Matrix Table

| Main \ Sub | TV | Composite | S-Video | Component 1 | Component 2 | PC | HDMI |
|-------------|----|-----------|---------|-------------|-------------|----|------|
| Composite | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| S-Video | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Component 1 | ○ | ○ | ○ | × | × | × | × |
| Component 2 | ○ | ○ | ○ | × | × | × | × |
| PC | ○ | ○ | ○ | × | × | × | × |
| HDMI | ○ | ○ | ○ | × | × | × | × |

42" Specification



- Specifications

| | |
|---------------------|--|
| Aspect Ratio | 16 : 9 |
| Screen Size (H × V) | 921.6 × 519.2mm |
| Resolution | 1024 × 768(XGA) (1 Pixel = 3RGB Cells) |
| Cell pitch (H × V) | 300 μ m(H) × 676 μ m(V) |
| Displayable Colors | 16.7M |
| Brightness | 1200cd/m ² (w/o filter) |
| Contrast | 10,000:1 (MAX) |
| Viewing Angle | 160° |
| Input signal | NTSC SD, HD, VGA~SXGA |
| Tuner | NONE |
| PC Input | Analog RGB, HDMI |
| AC Input | AC100-240V~, 50/60Hz, 4A(MAX) |
| Power Consumption | 320W (MAX) |
| Standby Mode | 1W |

D I G I T A L A R T