Manual

PLASMA DISPLAY

# PLANAR 60B PDP

PLANAR

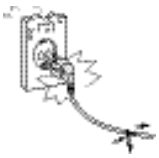
## ⚠ Power Supply - Warning

AC plug should not be touched with wet hands. It may cause an electrical shock.

· It can cause an electrical shock.

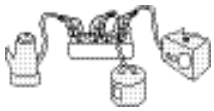
Do not use damaged electrical cord/plug, or loose outlet.

· It can cause an electric shock or a fire.



Do not use multiple devices in an outlet at the same time to avoid the overload.

· It may cause a fire due to overheating from the outlet.



## ⚠ Power Supply - Warning

Fully insert the plug into the outlet

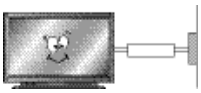
· If the connection is unstable, it may cause a fire.

Be careful not to forcibly bend the electrical cords or press them with a heavy object.

· It may cause an electrical shock or a fire.

Be sure to ground the PDP power source.

· It may cause an electrical shock if it has a failure or electrical leakage. Only use the proper power cord supplied with PDP and connect it to an outlet with a ground terminal.



## ⚠ Power Supply - Caution

When unplugging the AC cord, pull out by holding the plug itself and not by pulling on the cord.

· If the power cord is damaged. it may cause a fire.

This manual describes how to operate the PDP properly and safely. Please read this manual carefully. This manual should be retained for future reference.

Precautions are divided into two: "Warning" and "Caution".

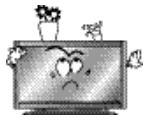
⚠ Warning: Serious injury or fatal injury may occur, if the indicated warning is not followed.

⚠ Caution: Minor injury or product damage may occur, if the indicated caution is not followed.

## ⚠ Installation - Warning

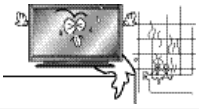
Do not place any liquid and foreign objects on or above the PDP.

- It may cause an electrical shock and fire. Contact your dealer for service



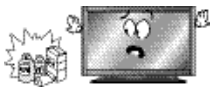
Do not install the PDP where water (rain) drops can enter the enclosure, or where there is oil or humidity.

- It may cause an electrical shock, fire, failure or transformation.



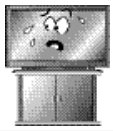
Do not use or keep it in a place where combustible sprays or inflammable materials are kept.

- It may cause an explosion or a fire.



Do not install the PDP in an unstable location with a smaller support area than the PDP. It may fall and cause injury.

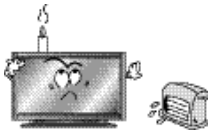
- It should be installed on a flat, stable location.



## ⚠ Installation - Warning

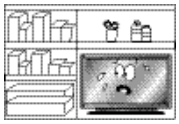
Do not put candles, mosquito-incense, cigarette lighters, a heater, or any other source of heat on or near the PDP.

- It may cause a fire.



Do not install in poorly ventilated locations such as bookcases or closets.

- It may cause a fire due to high temperature.



Do not place the electric cord or the plug near an electric heater.

- The coating on the electrical cords and the plug may melt and cause a fire or an electrical shock.

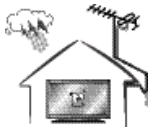
Install the antenna firmly and away from high-voltage wires and communication cables.

- If the antenna touches the high-voltage wire, it may cause an electrical shock or a fire.

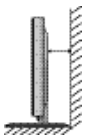
## ⚠ Installation - Caution

Make the antenna cable loop at the entrance of the building so that rainwater will drop from the cable before the cable goes into the building.

- If rainwater gets inside the PDP, it may cause a fire or an electrical shock.

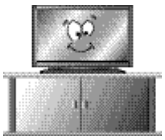


The PDP should be installed a small distance away from walls or other solid objects in order to maintain ventilation and to prevent heat damage.



Blockage of the ventilator with table covers or curtains can cause a fire due to the increased temperature inside the monitor.

Be sure to install the monitor on a level surface.



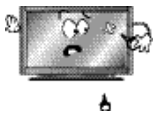
## ⚠ Warning

During a thunder storm, please unplug the electrical cords and never touch the antenna cable.

· It can cause an electrical shock or a fire.

Do not insert any metal objects such as chopsticks, wires and drills into the monitor ventilator or A/V terminal.

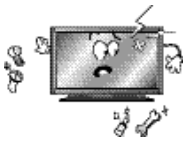
· It can cause an electrical shock or a fire.



Do not allow children to climb or play on the main body. If it falls over it can cause serious injury.

Never attempt to disassemble, repair or modify the equipment.

· It can cause an electrical shock or a fire. If it requires repair, please contact an authorized service center.

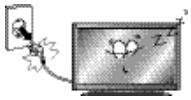


## ⚠ Caution

When removing the batteries in the remote control, make sure that children do not eat them. Please place the batteries in a locations out of reach from children.

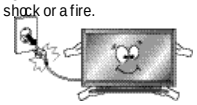
· If children eat them, immediately consult a doctor.

Unplug the monitor if you do not intend to use it for a long time. An electrical fire can be caused by the generation of heat, insulation degradation or the accumulation of dust.



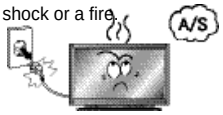
When moving the monitor, please turn off the power switch and unplug the electrical cords from the outlet. Also make sure that the external connection cords are unplugged (such as antenna cable and equipment connections) prior to moving it.

· The electrical cords can be damaged and cause an electrical shock or a fire.

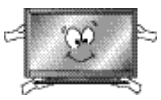


If the monitor is emitting smoke or an unusual smell, immediately turn the power off, pull out the plug and then contact an authorized service center.

· It can cause an electrical shock or a fire.




When transporting the product, at least two people should carry it. If it is dropped, serious injury can occur.



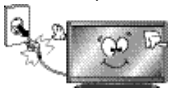
If there is any dusts or water on the pins and connections of the plug, please wipe it off.

· It can cause an electrical shock or a fire.

For the cleaning of the interior of the item, consult an authorized dealer or service center. A fire or failure of the equipment can occur if it is not cleaned regularly.

When cleaning the monitor, unplug the electrical cord and wipe with a soft and dry cloth.

· Never wash with chemicals such as industrial glaze, wax, benzene, alcohol, thinner, mosquito-incense, aromatic, lubricant or detergent or a damp cloth.



## Notes

### Fixed (immovable) screen can cause permanent damage to PDP monitor

1. Video games, price tags, graphics and others can damage the screen.
2. When using simultaneous screen function, if the simultaneous screen stays on the corner of screen for a long time
3. When watching at 4:3 screen for a long time, it can cause damage to PDP monitor. Therefore, it is recommended to use 16:9 screen.
   (When an afterimage occurs on the screen, it can be reduced by using a screen-saver. However, once an afterimage occurs, it will not disappear completely. When frequently using a fixed screen, the brightness will be reduced). be disappeared.

※Any defect caused by any one of the contents mentioned above shall not be covered by the warranty policy.

### For the colorful dots that can be seen on PDP screen, (illuminated spots, bright spots, scotoma (blind spot), blinking)

Generally PDP consists of about 0.9~2.2 million pixels and the possibility to have a defective pixel is quite high due to the feature of the product. Colorful dots below a certain number are not considered a defect, and has nothing to do with performance deterioration of the product or reliability. The standard of evaluation above is the same as othe companies offering similar products. Therefore, it is not the subject for replacement or refund. Also we will do our best to minimize the defective pixel as best as we can.

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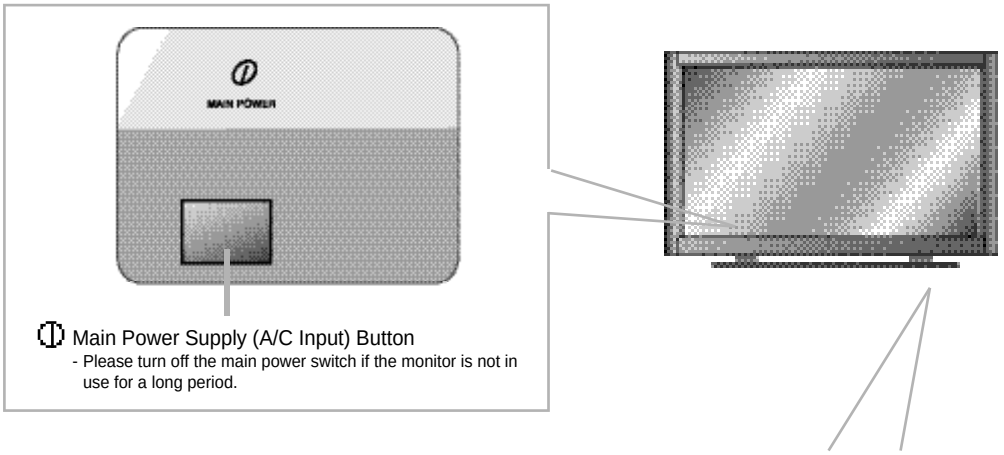
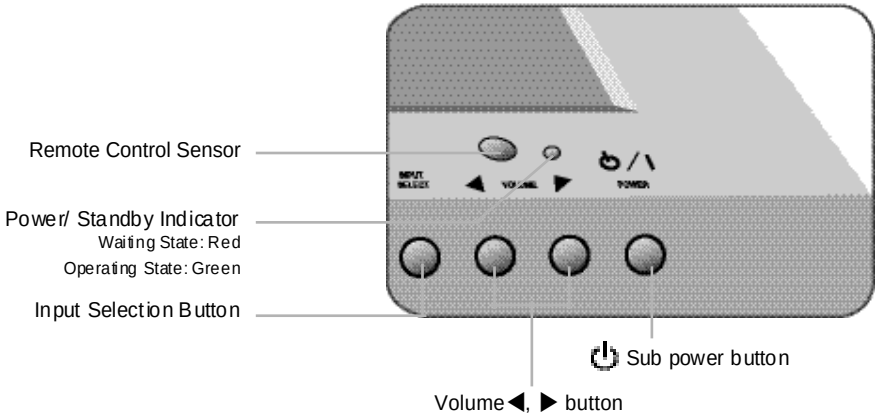
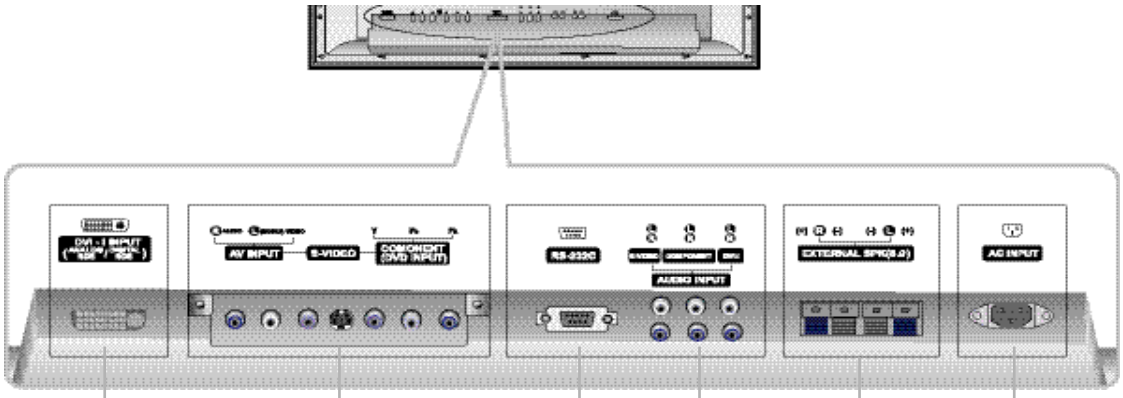
## Front View


MAIN POWER
Main Power Supply (A/C Input) Button
- Please turn off the main power switch if the monitor is not in use for a long period.


Remote Control Sensor
Power/ Standby Indicator
Waiting State: Red
Operating State: Green
Input Selection Button
Sub power button
Volume ◀, ▶ button

## Rear View




AudioVideo Input Terminal
S-Video Terminal
Component (DVD/DTV) Input Terminal
(480i/480p/720p/1080i)

RS-232 Terminal
(External Connection
Adjustment)

A/C Input Terminal

External Speaker Connection
Terminal (8Ω)

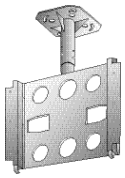
RGB PC Input Terminal
(VGA/SVGA/XGA)

Audio Input Terminal
(S-Video L/R, Component L/R, DVI-I L/R)

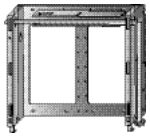
## Options

※ Various options are subject to change for quality improvement of the products, without notice.
※ Please contact your dealer or the reference for purchase options.

desktop stand



ceiling-mount bracket



Wall-mount bracket

Audio cable

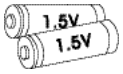
Composite Video Cable

## Accessories

※ The configuration of the components may look different from the drawing contained here.

RGB Cable

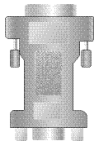
User's Manual




Battery (1.5V AAA type) 2

Power Cords

Remote Control



DVI Adapter

## Installing wall - mount bracket

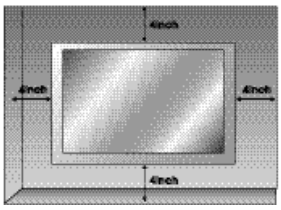
▶ Installing Wall mount PDP monitor can be installed on the wall as the picture shown above.

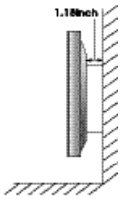
### Notes

Please secure enough space for safe use. (Please refer to A and B.)
If you install the monitor in any ill-ventilated locations, it can cause a fire or damage to the product due to the internal temperature of the product.

A

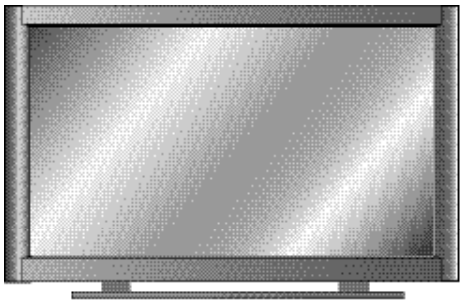
Installing wall - mount bracket



## Installing desktop stand

※This is not floor-standing unit.



▶PDP monitor can be installationed on the desk as the picture shown above.

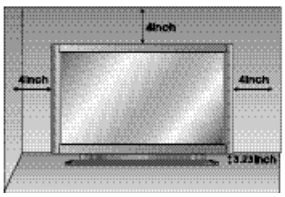
### Notes

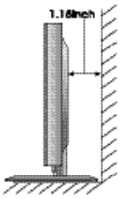
Do not install in an unstable location or on a smaller support than the main body.

※ Please refer to the stand's user manual for more details on installation

B

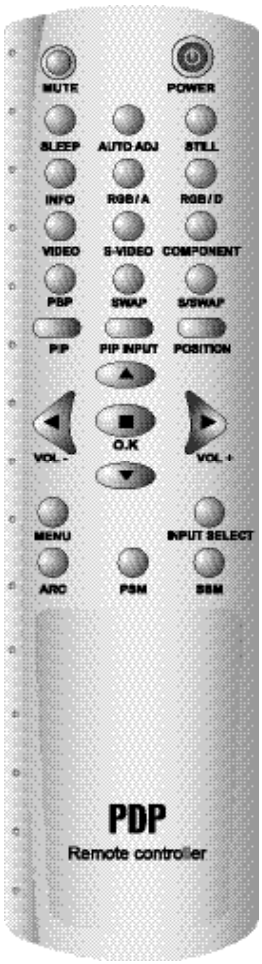
Installing desktop stand



## · Remote Control Unit

※ When using the remote control, point it towards the front of the PDP monitor.

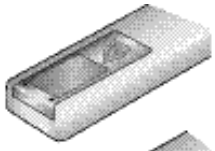


## If remote control does not function

1. Check the polarity (+,-) of the batteries.
2. Check if the batteries have power.
3. Check if there is a power failure.
4. Check if the power cord is unplugged.
5. Check if any three-wavelength lamp, special fluorescent or neon sign is turned on

## Loading the batteries into remote control

1. Push down while pressing the ▼ part on the cover.



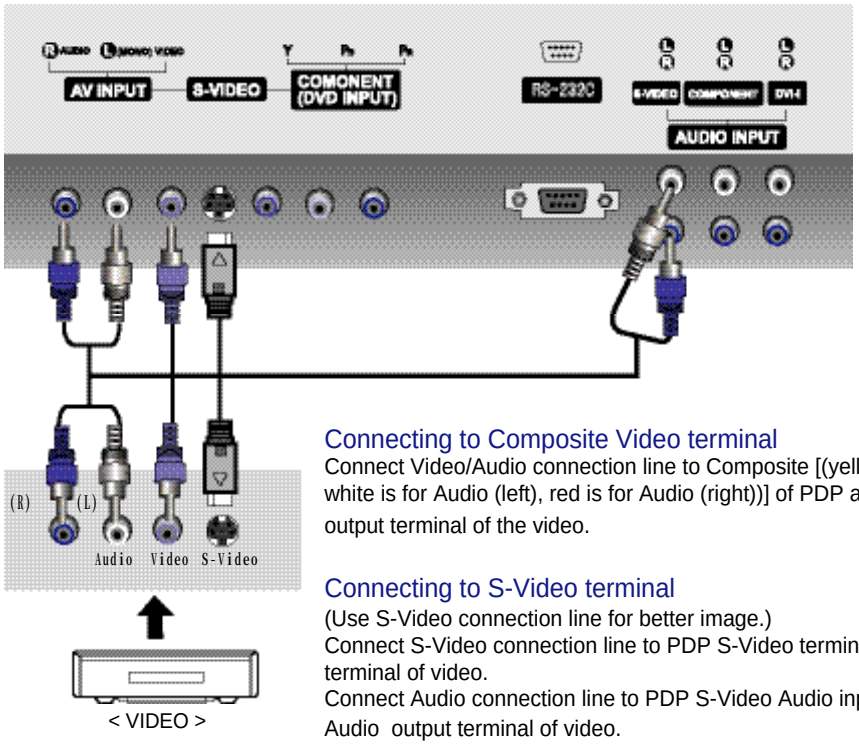
2. Insert the batteries according to the right polarity (+,-).

3. Close the cover.

**Note**

Distance and angle to use remote control: You can use the remote control within 7m and 30 ° to the left and the right from the receiving part of TV remote control.

## Connecting VCR




< VIDEO >

### Connecting to Composite Video terminal

Connect Video/Audio connection line to Composite [(yellow is for Video, white is for Audio (left), red is for Audio (right))] of PDP and Video/Audio output terminal of the video.

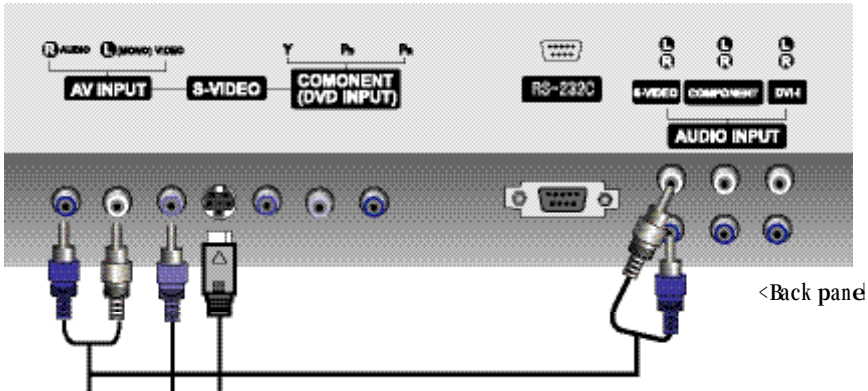
### Connecting to S-Video terminal

(Use S-Video connection line for better image.)
Connect S-Video connection line to PDP S-Video terminal and S-Video terminal of video.
Connect Audio connection line to PDP S-Video Audio input terminal and Audio output terminal of video.

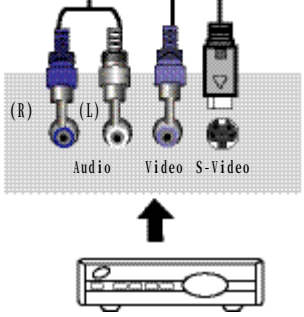
## Watching the VCR

1. Turn on the PDP monitor and press input selection button of the remote control.
2. Use button to select composite or S-Video (When it is connected to S-Video terminal) and then press button. (When selecting S-Video, Audio should be connected to S-video Audio terminal.)
3. Turn on the video, insert the tape and then press the Playback button.

## Connecting cable broadcasting receiver




<Back panel of the Monitor>






<cable broadcasting receiver >

In order to watch cable TV, subscribe to local cable TV broadcasting company and install separate converter for cable TV.

### Connecting to external input terminal

Connect image/voice connection line to PDP external input terminal [(yellow is for image, white is for voice (left), red is for voice (right)) and image/voice output terminal of converter for cable TV.

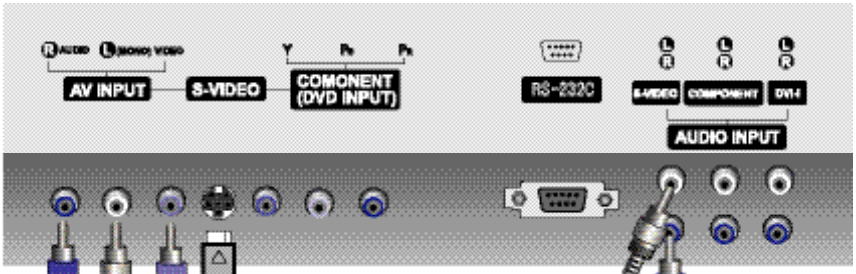
### Connecting to S-Video terminal

(Use S-video connection line for better image.)
Connect S-video connection line to PDP S-video terminal and S-video terminal of converter for cable TV.
Connect voice connection line to PDP S-video voice input terminal and voice output terminal of the converter for cable TV.

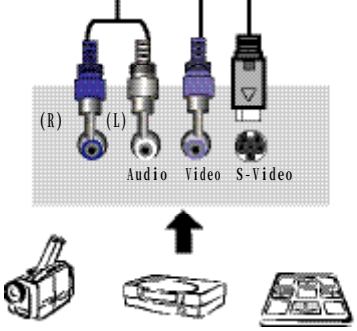
## How to watch cable broadcasting

1. Turn on the PDP monitor and press input selection button of remote control.
2. Use button to select external input or S-video (When it is connected to S-video terminal) and then press button. (When selecting S-video, voice should be connected to S-video voice terminal.)
3. Turn on cable TV receiver and then select the channel you want.

## Connecting camcorder/ game machine




<Back panel of the Monitor>




<camcorder/ game machine>

Use after connecting the Video game in the same way as a camcorder.

### Connecting composite video

Connect Video/Audio connection line to Composite [(yellow is for Videowhite is for Audio (left, red is for Audio (right)] and Video/Audio output terminal of camcorder.

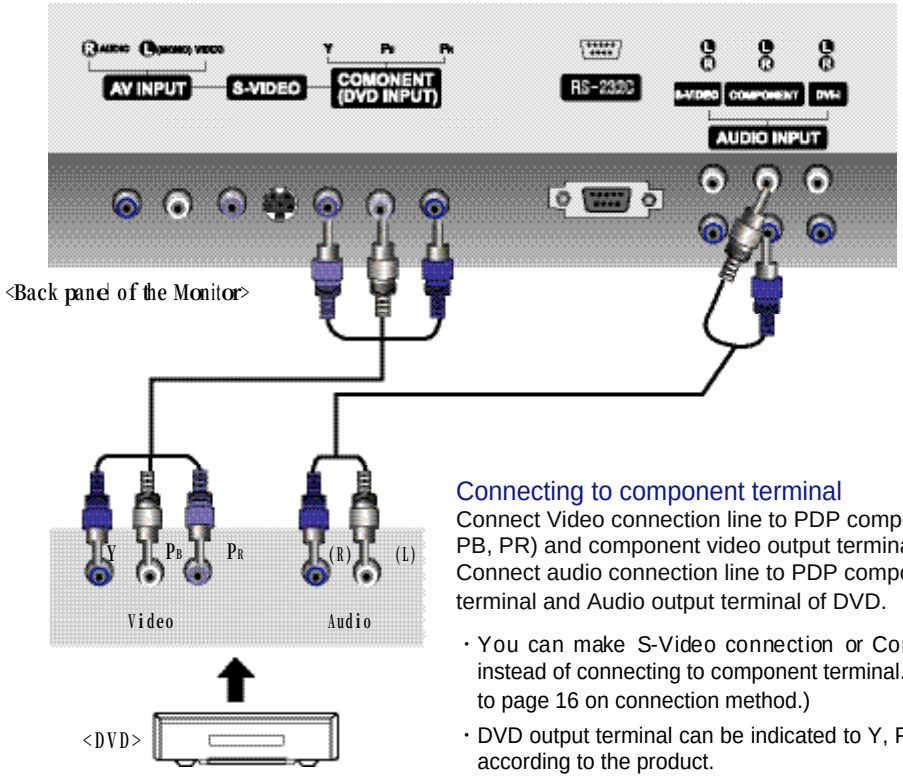
### Connecting S-Video terminal (If the game machine contains S-image terminal.)

(Use S-Video connection line for better image.)
Connect S-Video connection line to S-Video terminal and S-Video terminal of game machine.
Connect Audio connection line to PDP S-Video Audio input terminal and Audio output terminal of the game machine.

## Watching Camcorder

1. Turn on the PDP monitor and press input selection button of the remote control.
2. Use button to select composite or S-video (When it is connected to S-video terminal) and then press button. (When selecting S-Video, Audio should be connected to S-Video Audio terminal.)
3. Turn on the camcorder and set to video mode. (Please refer to camcorder user's manual for more information.)
4. Set input/output selection switch of camcorder to output.
5. Insert tape into camcorder and press Playback button.

## Connecting DVD




<Back panel of the Monitor>

### Connecting to component terminal

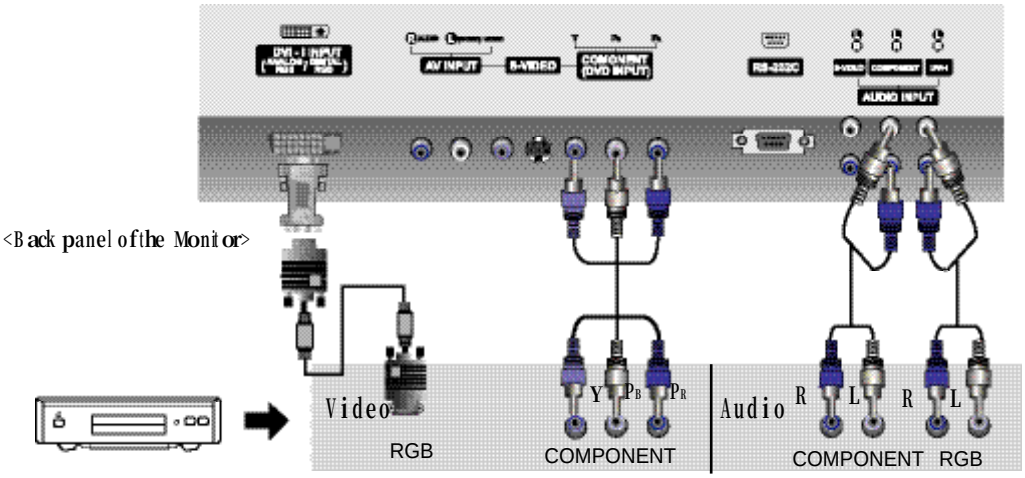
Connect Video connection line to PDP component terminal (Y, PB, PR) and component video output terminal of DVD.
Connect audio connection line to PDP component Audio input terminal and Audio output terminal of DVD.

- You can make S-Video connection or Composite connection instead of connecting to component terminal. (Please refer to page 16 on connection method.)
- DVD output terminal can be indicated to Y, PB, PR or Y, CB, CR according to the product.

## Watching DVD

1. Turn on the PDP monitor and press input selection button of the remote control.
2. Use button to select component and then press button.
   (Audio should be connected to component voice terminal.)
3. Turn on DVD and press Playback button.

## Connecting to component terminal/ Connecting to RGB terminal




<digital broadcasting>

You should connect and use separate SET TOP BOX to receive digital broadcasting.
In 1080i mode among DTV modes, the screen size does not act, but fixed to 16:9 that the screen size does not change.

### Connecting component terminal

Connect Video connection line to PDP component terminal (Y, PB, PR) and component video output terminal of DTV receiver.
Connect audio connection line to PDP component Audio input terminal and Audio output terminal of DTV receiver.

- You can make S-Video connection or Composite Video connection instead of connecting to component terminal. (Please refer to page 16 on connection method.)
- DTV output terminal is indicated by Y, PB, PR or Y, CB, CR according to the product.

### Connecting RGB terminal

Insert DVI adapter into PC signal line and connect PDP DVI-I input terminal to RGB output terminal of DTV receiver.
Connect Audio connection line to PDP DVI Audio input terminal and Audio output terminal of DTV receiver.

## Watching DTV

1.Turn on the PDP monitor and press input select

button of remote control.

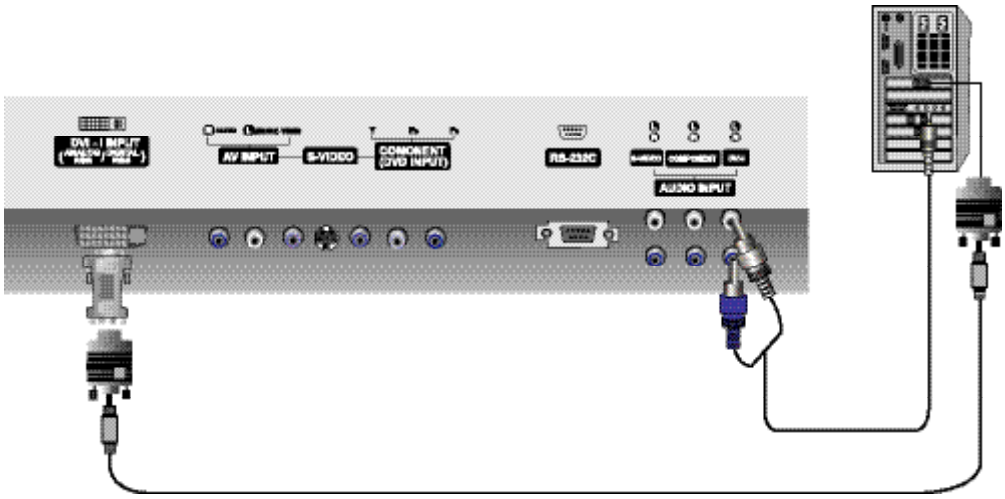
2.Use button to select Component and then press button. (Audio should be connected to component voice terminal.)

3.When connecting RGB terminal, use button to select Analog RGB and then press button. (Audio should be connected to DVI-I Audio terminal.)

4.Turn on DTV receiver and select the channel that you want.

※ Set TV image output to 480p or 720p for better quality picture

## Connecting to DVI-I terminal




### Connecting to Analog RGB terminal

Insert DVI adapter into PC signal line and then connect PDP DVI-I input terminal and RGB output terminal of PC.
Connect Audio connection line to PDP DVI Audio input terminal and Audio output terminal of PC.
(PC Audio connection line is not included and should be purchased separately.)
※ PC Audio works only if a Sound Card is installed.

### Connecting Digital RGB terminal

Connect DVI signal line to PDP DVI-I input terminal and DVI output terminal of PC.
Connect Audio connection line to PDP DVI Audio input terminal and Audio output terminal of PC.
(You can purchase PC Audio connection line from a computer shop.)

## Using PC

1. Turn on the PDP monitor and press input selection button of remote control.
2. Use button to select Analog RGB and then press button.
   (If PC output is set to Digital, select Digital RGB.)
3. This product does not support Plug & Play function. When setting the monitor, select standard monitor type and then use it.
4. You can set PC output mode to VGA (640 X 480)/ SVGA (800 X 600)/ XGA (1024 X 768). In the mode more than SXGA (1280 X 1024), "Out of Range" message appears. When connecting to PDP monitor, be sure to change into less than XGA mode. Please refer to page 52 for the modes that PDP supports.).

## Before turning on the PDP monitor

Insert the power plug.

Connect external equipment properly.

Please use only after carefully reading this manual.

## Turning on the PDP monitor

First check the power connection and check the connection of external equipment.

### Power On/Off

How to turn on PDP monitor - Press the "Main Power Button (A/C input button)" of monitor and then press the Sub-power button.

Turn on/off by remote control - Press the power button of remote control (If the monitor is not turned on, check if the "Main Power Button" on the monitor's main body is pressed first. If the "Main Power Button" is pressed, the power indication lamp will be turned on.)

Turning off PDP monitor - Press "Sub-Power Button" on the monitor and then press the "Main Power Button". - You can have the power saving effect (Power Consumption Zero) the same as if you unplugged the power cord.

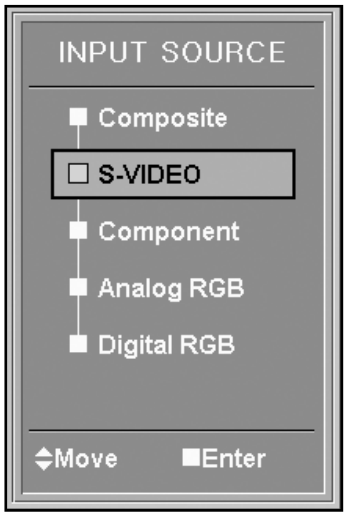
※ If ON Time settings are made, make sure that you turn off the monitor with "Sub-Power Button" or remote control.

## Selecting External Input.

Select the required input using button in the next menu by pressing input selection button and then select with (Enter) button.

If you know the input connected on the back of the monitor, you can instantly make the input selection by pressing VIDEO button, S-VIDEO button, COMPONENT button, RGB/A button, and RGB/D button on the remote control.

EX) When selecting ANALOG RGB, press RGB/A button on the remote control.



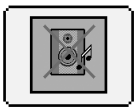
## Volume - Controlling Volume

Press button to increase volume, Press button to decrease volume.

## Mute - Pausing sound

Press

button. If you press the button again, the sound turns back on.



## Still - Pausing the screen

Press

button. If you press the button again, the screen moves again.

## Info - Checking current INFO

Press

button. The set value that the user has selected appears. It automatically disappears after three (3) seconds.

## Menu - Checking the menu

If input selections are "Composite", "S-Video", and "Component", the video menu is activated.
If input selections are "Analog RGB" and, "Digital RGB", the computer menu activates.
You should use the remote control for detailed menu item setting and change of PDP monitor.

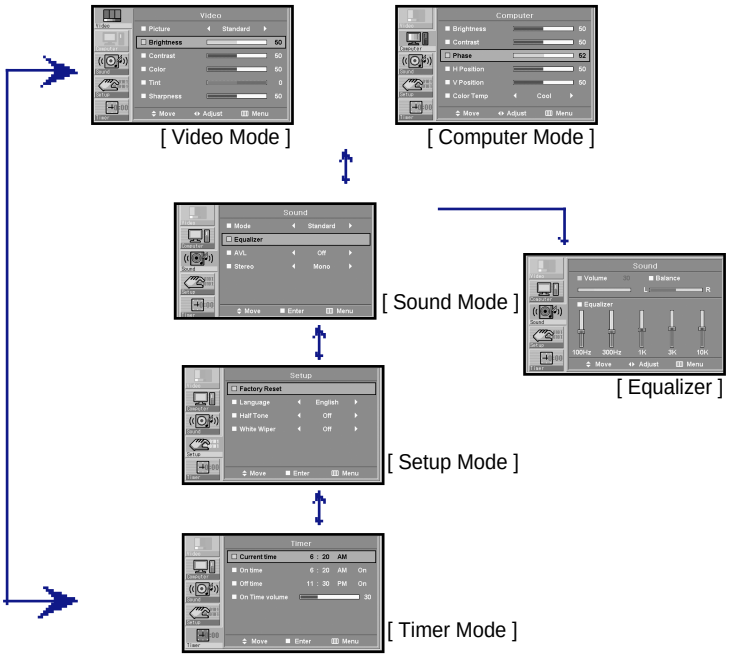
Press

button.

When you press the button, the screen appears in turn as shown in the figure.

Use button to move to sub menu and store the setting value. Use

button to move main menu.

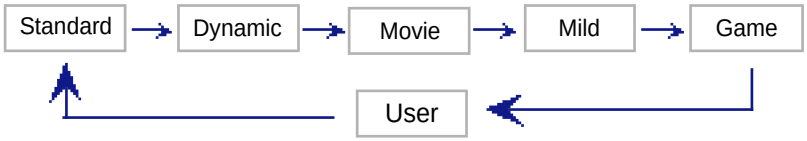


## Adjusting video screen

How to change the screen mood.

Press button.

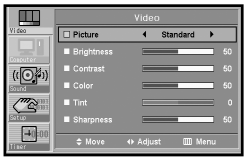
Press button repeatedly to select the desired screen.




Press button.

① Press button to move to the item

② Press button to enter the sub-menu.

③ Select "Picture" with 


④ Select the required mode with

- Standard: It is the best screen state set in the factory.
- Dynamic: Select when the surrounding light is bright. You can watch it clearly.
- Movie: Select when you watch a movie. You can enjoy the mood of a theater.
- Mild: Select when the surrounding light is dark. It reduces your eyestrain.
- Game: Select to enjoy the game. You can enjoy a vivid screen.
- User: Select to see the state that the user prefers.

(Please refer to page 29 on screen adjustment method.)

## User setting - manually setting the screen mode

You may change the user setting from any mode.

Press the

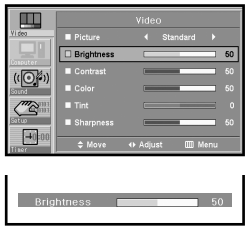
button

① Press button move to the item


② Press button to enter the sub-menu.

③ Select "Brightness" with .

④ Set the value with .




Press

button to return to previous menu.

### User Mode

- Brightness: Adjust the entire screen bright or dark.
- Contrast: Adjust the difference of brightness and darkness between the object and the back-ground.
- Color: Adjust the color to light or dark.
- Tint: Adjust the sense of color of the object naturally.
- Sharpness: Adjust clearness and ambiguity of the object's outline.

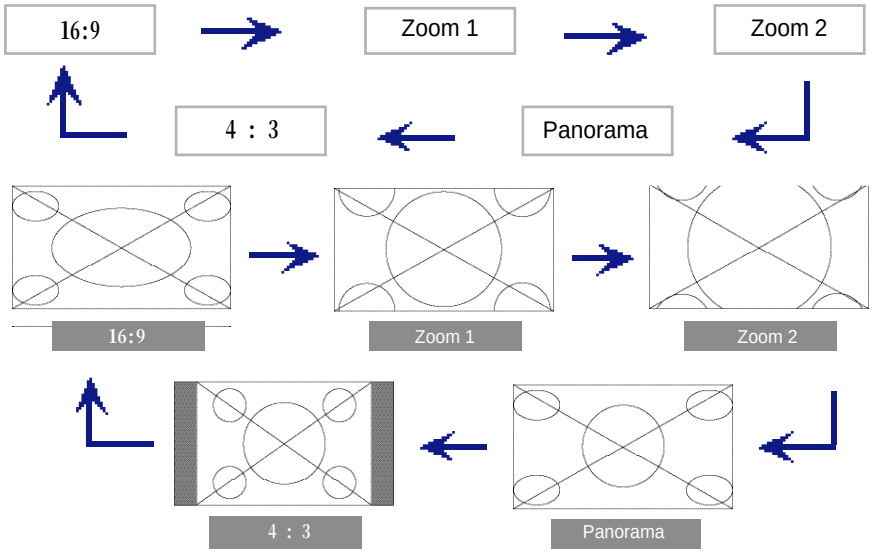
## ARC (Aspect Ratio Control)

Press

button.

Whenever you press

button, you can select 16:9 → Zoom1 → Zoom2 → panorama → 4:3.




### Screen Size

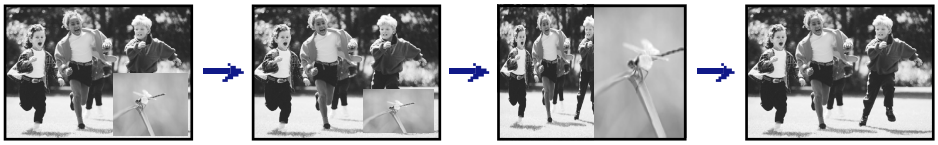
- 16:9 - Is the screen size that is configured to the general screen.
- Zoom 1 - It is the screen size that extended the entire screen.
- Zoom 2 - It is the screen size that extended the Zoom 1.
- Panorama - It is the screen that is configured to a wide screen to be natural as a general screen.
- 4:3 - It is the screen size of video and that is currently broadcast.

## PIP (Picture In Picture)

Press the PIP button.

When you press the PIP button, you can select PIP [Large] → PIP [Small] → PBP → Normal.

Press PBP button, then you can see twin picture immediately.



PIP [Large] PIP [Small] PBP Normal

PIP Function includes Analog RGB, Digital RGB, Composite, S-Video, and component as main screens and you can enjoy Composite, S-video and component (480i) as sub-screens.
When watching PIP, the main screen and the sub-screen can have differences in the quality of screen color.
PBP does not supportAnalog RGB, Digital RGB, component (480p, 720p, 1080i).

### PIP Input (Changing the input signal of PIP)

PIP Input

- When you press sub-screen selection button, you can select Composite → S - Video → Component.
- Component input only supports on 480i signal.

### PIP Position (Moving the sub picture)

Position

- Whenever you press sub-screen location button, the location is adjusted as follows:
- If the sub-screen does not appear, check if input terminal is connected.

### PIP Swap (How to exchange main screen and sub-screen)

SWAP

Press the SWAP button, and the
ain/sub screen exchanged to will appear.
Main screen does not act in Analog RGB,
and component (480p, 720p, 1080i).

l RGB,

### PIP Sound Swap How to listen to the sound of sub-screen

S/SWAP

- Pressing S/SWAP button, the sound of the main/sub screen is exchanged.

Application

## Adjusting PC

It is screen adjustment when input signal is Analog RGB.

### Auto adjustment

Use this when input signal is Analog RGB and if the screen's image location is incorrect, or if shaking occurs.

① Press button.

② If the screen does not fit correctly after adjustment, execute it repeatedly.

③ In need of additional control, please control manually Please refer to page 33.

Auto Adjustment supports only on  Analog RGB .
While the screen may look unusual while executing automatic screen adjustment, it is just a process to find correct the screen's state.

## User Adjustment

Use this if minute adjustment is required after automatic adjustment.

Press

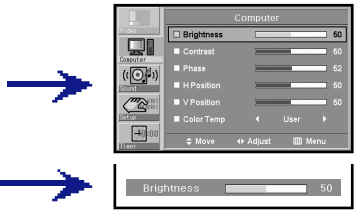
button.

① Press move to the item.


② Press button to enter the sub menu.

③ Select "Brightness" with

④ Set the value with




## User Mode

- Brightness: Adjust the entire screen bright or dark.
- Contrast: Adjust the difference of brightness and darkness between the object and the back-ground.
- Phase : Adjust the screen clearly if fuzziness occurs on the screen or the focus is not correct.
- Horizontal : Move the screen location horizontally.
- Vertical : Move the screen location vertically.

※ Only brightness and Contrast are available in Digital RGB mode.

## Color Tone

Press button.

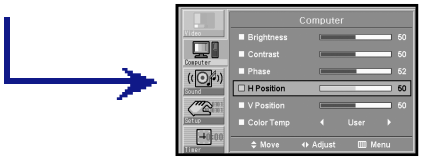
① Press button to move to the item

② Press button to enter the sub menu.

③ Select "Color Temp" with

④ Select the required color among "Cool", "Normal ", "Warm ", and "User"

Press button after adjustment to return to the previous menu.




### User Mode

- Cool: It is cold sense of color of the blue base.
- Normal: It is the sense of color of general screen base.
- Warm: It is the warm sense of color of the red base.
- User: The user directly adjusts the color into red, green and blue.

## Color Tone (User setting)

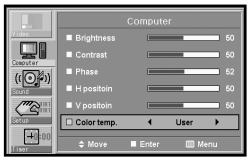
Press button.

① Press button to move to the item

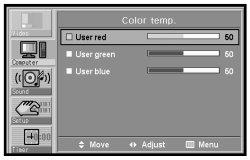
② Press button to enter the sub menu.

③ Select "Color Temp" with .

④ Select "User" with .




⑤ Press button.




⑥ Select the item to adjust with the .

⑦ Adjust the setting value with the button.

Press button after adjustment to return to the previous menu.

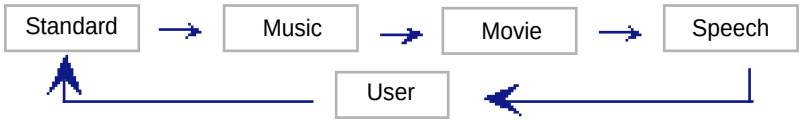
Application

## SSM (Sound Stauts Memory)

To listen to the selected sound

Press button.

Select according to the mood by repeatedly pressing the button.



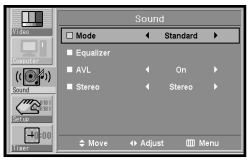

Press button.

① Press button to move to the item


② Press the button to enter the sub menu.

③ Select "Mode" with .

④ Select the required mode with the button.




Press button after adjustment to return to the previous menu.

・Standard: It is the sound state to generally meet every genre.
・music: You can enjoy the original live sound as it is.
・movie: You can enjoy magnificent sound.
・ Speech: You can hear the voice clearly.
・User: Select when listening to the sound state that the user directly adjusted.
(Please refer to page 37 on sound adjustment method.)

## Equalizer

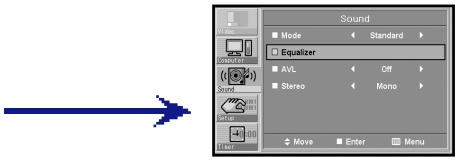
Ajustment is available regardless of the state of the sound mode and will be stored as the user's mode.

Press button.

① Press button to move to the item

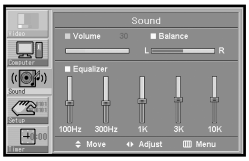
② Press button on the left.

③ Select equalizer with




④ Press the button,

the equalizer menu shall appear.




⑤ Select the required menu with the

and adjust the setting value with .

Press button after adjustment to return to the previous menu.

Application

## User Mode

- Volume: It adjusts the sound volume.
- Sound balance: It adjusts the volume of speakers on the left and the right. It is best to listen when setting to the central indication line.
- Equalizer: It adjusts the volume by frequency and the user can select the desired sound.

## AVL (Auto Volume Leveler)

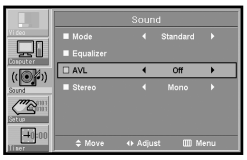
It is the function to similarly adjust the different volume of each broadcasting company.

Press button.

① Press button to move to the item

② Press button to enter to sub menu.

③ Select "AVL" with




④ Select "On" with the .

Press button after adjustment to return to the previous menu.

## Stereo (How to set stereo)

For regions with poor radio reception(weak frequency), the sound state can be poor (staticy) when selecting a channel. Set the stereo setting to "Mono" in such case.

Press

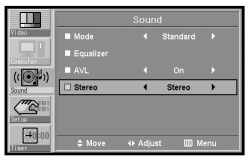
button.

① Press button to move to the item


② Press button to enter to sub menu.

③ Select "Stereo" with






④ Select "Stereo" with

Press

button after adjustment to return to the previous menu.

## Reset

Use the existing adjusted values for initiation as they were set in the factory.

Press the MENU button.

① Press button to move to the item Setup

② Press button to enter to sub menu.

③ Select "Reset" with

Initialize by pressing button.

Press MENU button after adjustment to return to the previous menu.

※All the values that the user adjusted are initialized to the values set in the factory.

## Language

Use this when the user selects the language from the menu indicated on the screen.

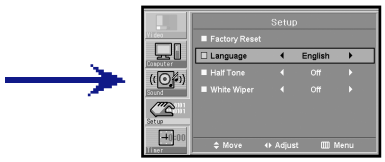
Press

button.

① Press button to move to the item


② Press button to enter to sub menu.

③ Select "Language" with




④ Select the desired language with

Press

button after adjustment to return to the previous menu.

## Trasparency

Use this to change the base of the menu to transparent and opaque.

Press

utton.

① Press button to move to the item


② Press the button to menu to sub menu.

③ Select "Half tone" with

④ Select "On (transparent)" or "Off (Opaque)" by press the

Press

button after adjustment to return to the previous menu.

## White Wiper (How to set panel protection function)

⚠ Caution: An afterimage may be left on the screen if you watch at 4:3 f screen rate or with a paused/ frozen screen for a long time.

※ The function does not perfectly prevent the afterimage that occurs when the fixed screen continues for long, due to the feature of the panel. (Please refer to page 5.)

Press button.

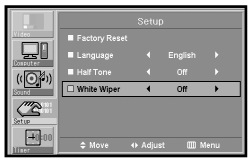


① Press button to move to the item



② Press button to enter to sub menu..

③ Select "White Wiper" with





④ Select the desired time (Off, 10 Min., 20Min., 30Min.) by pressing the button. It protects the panel with a white bar crossing the screen at a regular interval.

Press button after adjustment to return to the previous menu.



It is recommended to use Panel Protection Function on a paused/frozen computer screen or on a screen on which a company's logo remains for a long period.

Application

## Current time setting ( How to set the current time)

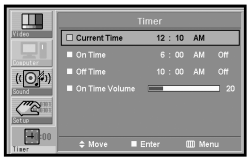
You can set the time to automatically turn on/off if you set the current time.
Current time acts only when the main power button of the monitor is pressed. To maintain this function, use the sub- power button or power button of remote control.

Press

ton

① Press to move to the item


② Press on to enter to sub menu.

③ Select "Current Time" with 


Move to "Hour" with button on the left and adjust "Current Hour" with the button on the right.

Move to "Minute" with button and then adjust "Current Minute" with the button on the right.

Move to "AM" with button and then select "AM" or "PM" with the button on the right.

Press

button after adjustment to return to the previous menu.

Once "Current Time" is set, you can adjust "On Time", "Off Time", "On time Volume".

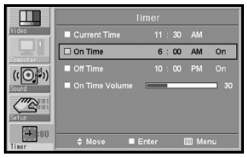
## Time setting

Current Time should be set first for this setting.
Current Time acts only when the main power button of monitor is pressed. To maintain this function, use the sub power button or power button of remote control.

Press

button.

① Press button to move to the item




② Press button to enter to sub menu.

③ Select "On Time" or "Off Time" with button on the left.

Move to "Hour" with button and then adjust the desired "Hour" with the button

Move to "Minute" with button and then adjust the desired "Minute" with the button

Move to "AM" with button and then select "AM" or "PM" with the button.

Move to "Off" with the button on the left and then select "On" with the button.

Press

button after adjustment to return to the previous menu.

Application

## On Time Volume Setting (How to set the volume when it is turned on)

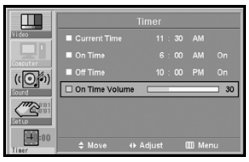
Current Time should be set first for this setting.
Current Time acts only when the main power button of monitor is pressed. To maintain this function, use the sub- power button or power button of the remote control.

Press

button.

① Press button to move to the item


② Press button to enter to sub menu..

③ Select "On Time Volume" with the button. 


④ Adjust the desired volume value with the button in the left.

Press

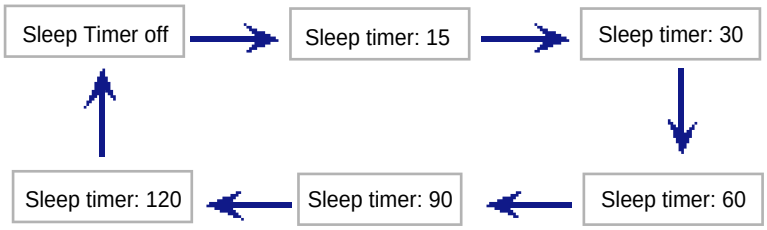
button after adjustment to return to the previous menu.

## Sleep time setting (How to make automatically turn off when you sleep)

Set the desired time to make it automatically turn off.

Press button.

Whenever you press the "Sleep" button, you can select "Sleep Timer off" → "Sleep timer: 15" → "Sleep timer: 30" → "Sleep timer: 60" → "Sleep timer: 90" → "Sleep timer: 120".




To disable the set time of Sleep Timer, press the "Sleep" button repeatedly until "Sleep Timer Off" appears.

※ When the "Sleep" appears on the screen,If you wait for more than 20 seconds without press-ing the "Sleep" button, the screen indication disappears and the "Sleep Timer" is set.

※ To check the "Sleep Timer" after the setting, press button once.

※ If you turn off the power, the setting of "sleep Timer" is deleted. Repeat the setting again.

Take the following steps first and if you still have the same problem, turn off the power and contact 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 control. |
| 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 not to show the noise of screen that can occur when the power is turned on. But if the screen does not come after 1 minute has passed, contact an authorized service center. |
| Screen is too bright or too dark. | Control brightness or Contrast. Please refer to page 29. |
| Screen is too large or too small. | Adjust the screen size using ARC button. Please refer to page 30. |
| Stripes appears on the screen and it shakes | Stop using wireless telephones, hair driers, and electrical drills. |
| Screen appears in black and white. | Adjust colour. Please refer to page 33. |
| PIP does not appear. | Check that PDP and external equipment are connected.Check of the PIP Input by pressing PIP input. |
| The screen does not move. | Press the still button. Please refer to page 26.Check if stopped screen of external equipment is pressed. |
| Computer Input Screen is abnormal. | press AUTO ADJ button. If the screen is still abnormal after automatic adjustment, adjust in user mode. Please refer to page 33. |
| On Time setting does not work. | On Time setting works only when turning off the PDP monitor with the remote control or sub-power button. (Because when turning off by pressing the main power button of the monitor, the Timer setting is deleted. |

• Sound related Matters

| Problem | Action |
|---|---|
| Screen appears,<br>but there is no sound | 1. Press the button gently.<br>2. Increase the sound by pressing volume adjustment button.<br>3. Check if voice terminal of external input is connected properly.<br>4. Check if speaker line is inserted properly.<br>5. If it is PIP mode, convert voice of main screen and sub-screen by pressing S/SWAP button.<br>6. Select and check the other input.<br>If the sound still does not work and the other channels are the same after you have done as the above, contact the an authorized service center. |
| Lots of noise (static) occurs. | When connecting SET TOP BOX, check if it is on stereo broadcasting. If it is, the broadcasting state may not be available in the location where TV does not come out or away from the station. Therefore, select "Mono". Please refer to page 39. |

• Others

| Problem | Action |
|---|---|
| Remote control does not work. | 1. Check if main power button of PDP monitor is pressed.<br>2. Check if the batteries of the remote control were loaded properly.<br>3. Check if any obstacle exists between the monitor and the remote control and remove it, if any.<br>4. If the batteries have no power, replace them with two new batteries. |
| PDP monitor makes strange sounds. | It is the sound when the appearance contracts or expands due to changes of environment such as humidity, temperature, etc. It is not a failure. |
| PDP monitor indication lamp is On. | It takes about 3~5 sec for the indication lamp to be turned off. |

## Supporting Display Mode

It is optimal screen when the resolution is 1024 x 768.

| Resolution | Horizontal Frequency (KHz) | Vertical Frequency (Hz) |
|---|---|---|
| 640×350 | 31.469 | 70.09 |
| | 37.861 | 85.08 |
| 640×400 | 37.927 | 85.03 |
| 720×400 | 31.469 | 70.08 |
| | 37.927 | 85.03 |
| 640×480 | 31.469 | 59.94 |
| | 35.000 | 66.66 |
| | 37.861 | 72.80 |
| | 37.500 | 75.00 |
| | 43.269 | 85.00 |
| | 45.913 | 90.03 |
| | 53.011 | 100.04 |
| | 64.062 | 120.00 |
| 800×600 | 35.156 | 56.25 |
| | 37.879 | 60.31 |
| | 48.077 | 72.18 |
| | 46.875 | 75.00 |
| | 53.674 | 85.06 |
| | 56.000 | 90.00 |
| | 64.016 | 100.00 |
| 832×624 (MAC) | 49.725 | 74.55 |
| 852×480 | 29.820 | 60.00 |
| | 36.072 | 72.00 |
| | 37.650 | 75.00 |
| | 42.925 | 85.00 |
| 1280×1024 | 48.363 | 60.00 |
| | 56.476 | 70.06 |
| | 60.023 | 75.02 |
| | 68.677 | 84.99 |

Considerations in Installation

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

Component Mode (Y, $C_B/P_B$, $C_R/P_R$)

| Resolution | Horizontal Frequency (KHz) | Vertical Frequency (Hz) | |
|---|---|---|---|
| 640×480 | 15.73 | 60.00 | SDTV, DVD 480i |
| 640×480 | 15.63 | 50.00 | SDTV, DVD 480i |
| 704×480 | 31.47 | 59.94 | SDTV, 480p |
| 1280×720 | 45.00 | 60.00 | HDTV, 720p |
| 1280×720 | 44.96 | 59.94 | HDTV, 720p |
| 1920×1080 | 33.75 | 60.00 | HDTV, 1080i |
| 1920×1080 | 33.72 | 59.94 | HDTV, 1080i |

## Specifications

| | |
|---|---|
| Aspect Ratio | 16:9 |
| Screen Size (H×V) | 1317.1×743mm |
| Resolution | 1280×720 |
| Cell pitch (H×V) | 0.337(H)×1.032(V)mm |
| Displayable Colours | 16.77M(256×256×256) |
| Brightness | 600cd/m²(w/o filter) |
| Contrast | 500:1(w/o filter) |
| Color Temperature | 9500°K |
| Viewing Angle | 160° |
| Input signal | NTSC, PAL-M, PAL-N, PAL, SECAM, SD, HD, VGA, SVGA, XGA, SXGA |
| RGB Input | DVI-I(Analog/Digital RGB) |
| AC Input | AC100-240V~, 50/60Hz, 7.0A |
| Power Consumption | 700W |

| | | |
|---|---|---|
| Temperature | Operational | 0℃~40℃ |
| | Non-operational | -20℃~60℃ |

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

## USER INFOMATION

Note: This equipment has been tested and found to comply with the limit 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 commercial environmental.
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.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to connect the interference at his own expense

Change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This is a class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.