

# **OWNER'S MANUAL (ATSC/NTSC)**



## ***Delight Your Eyes!***

- Wide screen plasma monitor and TV
- Ultra slim and light design
- Wide angle range of vision
- Quiet fan-less design
- Picture-In-Picture source select
- Multimedia Plasma Display

Please read this owner's manual carefully before operating the Monitor.

Record model number and serial number of the Monitor, Retain it for future reference.

See the label attached on the back of the Monitor and quote this information to your dealer if you require service.

Model number :

Serial number :

A product of S<sup>2</sup> Technologies, LLC

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# Important Safety Information

<b>⚠ WARNING</b>	<b>HIGH VOLTAGE</b> RISK OF ELECTRIC SHOCK DO NOT OPEN.
The violation of this instruction may cause serious injuries and even death.	
	

<b>CAUTION</b>
<ul style="list-style-type: none"> <li>- TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR SHOCK HAZARD.</li> <li>- DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.</li> <li>- SHOCK HAZARD DO NOT OPEN.</li> </ul>

<b>WARNING</b>
This is 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.

<b>WARNING</b>
To reduce the risk of fire and electric shock, do not expose this product to rain or moisture.

<b>FCC NOTICE</b>
<p>This device has been tested and found to comply with the limits for a Class B device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in home environment as well as in a commercial, industrial or business environment. This equipment can generate, use and radiate radio frequency energy and, if not installed and used in accordance with the instruction, 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 :</p> <ul style="list-style-type: none"> <li>- Reorient or relocate the receiving antenna.</li> <li>- Increase the separation between the equipment and receiver.</li> <li>- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.</li> <li>- Consult the dealer or an experienced radio/TV technician for help.</li> </ul> <p>Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.</p> <p>Connecting of peripherals requires the use of grounded shielded signal cables.</p>

▶ **Always be careful when using your 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.**



Read all safety and operating instructions before operating your Monitor.



Keep the safety and operating instructions for future reference.



Heed all warnings on the Monitor and in the operating instructions.

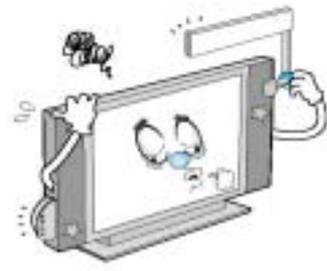
# Important Safety Information



Follow all operating and use instructions.



Unplug the Monitor from the wall outlet before cleaning. Use a damp cloth; do not use liquid or aerosol cleaners.



Never add any attachments and/or equipment without approval of the manufacturer. Such additions can increase the risk of fire, electric shock, or other personal injury.

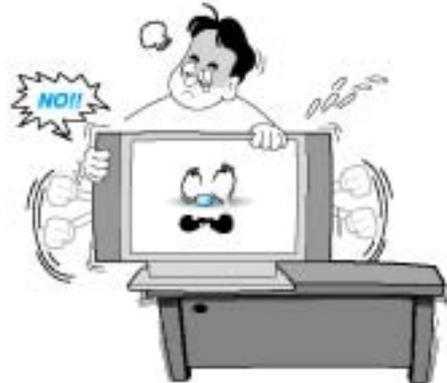


Do not use the Monitor where contact with or immersion in water is a possibility, such as near bath tubs, sinks, washing machines, swimming pools, etc.

Do not place the Monitor on an unstable cart, stand, tripod, bracket, table, or floor where it can fall. A falling Monitor can cause serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the Monitor. Move the Monitor and cart with care. Quick stops, excessive force, and uneven surfaces can make the unit and cart unsteady and likely to overturn.



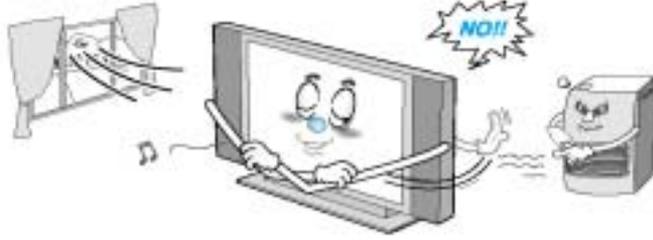
This plasma display is designed to be mounted horizontally (wide viewing). Any inquiry regarding its vertical position should be forwarded to the manufacture directly



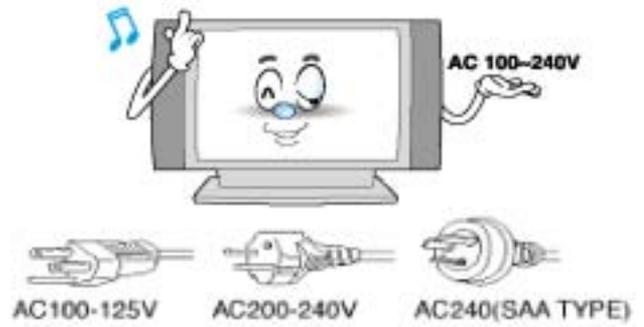
When installing the Monitor on a table, be careful not to place the edge of its stand.

- This may cause the Monitor to fall, causing serious injury to a child or adult, and serious damage to the Monitor.

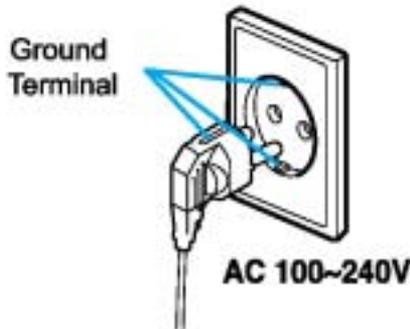
# Important Safety Information



Provide ventilation for the Monitor. The unit is designed with slots in the cabinet for ventilation to protect it from overheating. Do not block these openings with any object, and do not place the Monitor on a bed, sofa, rug or other similar surface. Do not place it near a radiator or heat register. If you place the Monitor on a rack or bookcase, ensure that there is adequate ventilation and that you've followed the manufacturer's instructions for mounting.



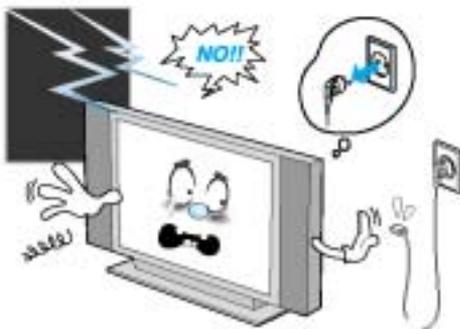
Use only the accessory cord designed for this product to prevent shock. The power supply voltage rating of this product is AC100-240V, the power cord attached conforms to the following power supply voltage. Use only the power cord designated by our dealer to ensure Safety and EMC. When it is used by other power supply voltage, power cable must be changed. Consult your product dealer.



Use only a grounded or polarized outlet. For your safety, this Monitor is equipped with a polarized alternating current line plug having one blade wider than the other. This plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still does not fit, contact your electrician to replace your outlet.



Avoid overhead power lines. An outside antenna system should not be placed in the vicinity of overhead power lines or other electric light or power circuits or where it can fall into such power lines or circuits. When installing an outside antenna system, be extremely careful to keep from touching the power lines or circuits. Contact with such lines can be fatal.



Unplug the Monitor from the wall outlet and disconnect the antenna or cable system during a lightning storm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-line surges.



Protect the power cord. Power supply cords should be routed so that they won't be walked on or pinched by objects placed on or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

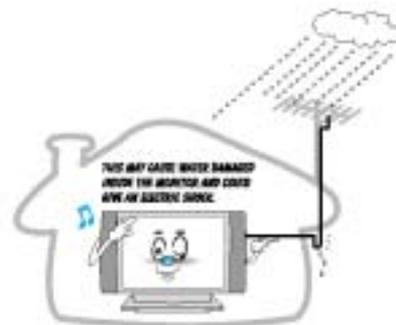
# Important Safety Information



Do not overload the wall outlet or extension cords. Overloading can result in fire or electric shock.



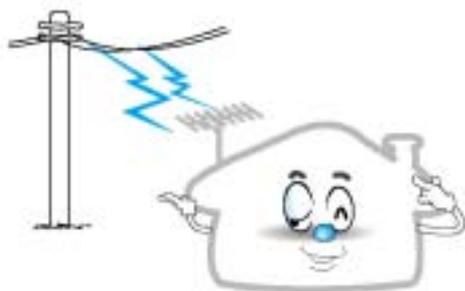
Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts. Never spill liquid of any kind on the Monitor.



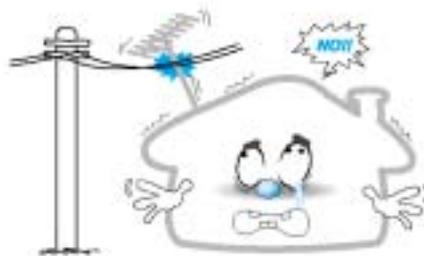
Bend antenna cable between inside and outside building to prevent rain from flowing in.

-This may cause water damaged inside the Monitor and could give an electric shock.

Ground outdoor antennas. If an outside antenna or cable system is connected to the Monitor, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984, provides information about proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



Do not place an outside antenna in the vicinity of overhead power lines, other electric light or power circuits.  
- This may cause an electric shock.



There should be enough distance between an outside antenna and power lines to keep the former from touching the latter even when the antenna falls.  
- This may cause an electric shock.

**Do not attempt to service the Monitor yourself. Refer all servicing to qualified service personnel. Unplug the unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:**

- when the power-supply cord or plug is damaged
- if liquid has been spilled on the unit or if objects have fallen into the unit
- if the Monitor has been exposed to rain or water
- if the Monitor does not operate normally by following the operating instructions
- if the Monitor has been dropped or the cabinet has been damaged
- when the Monitor exhibits a distinct change in performance

# Important Safety Information



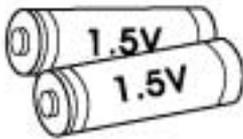
When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in additional damage to the unit.



Upon completion of any service or repairs to this Monitor, ask the service technician to perform safety checks to determine that the Monitor is in a safe operating condition.



If you make adjustments yourself, adjust only those controls that are covered by the operating instructions. Adjusting other controls may result in damage and will often require extensive work by a qualified technician to restore the Monitor to normal.



Only use the specified batteries.  
- This may cause damage to the Monitor or could give an electric shock.



Do not place anything containing liquid on top of the Monitor.  
- This may cause a fire or could give an electric shock.



In case of smoke or strange smell from the Monitor, switch it off, unplug it from the wall outlet and contact your dealer or service center.  
- This may cause a fire or could give an electric shock.



The distance between eyes and the screen should be about 5~7 times as long as diagonal length of the screen.  
- If not, eyes will strain.



When moving the Monitor assembled with speakers do not carry holding the speakers.  
- This may cause the Monitor to fall, causing serious injury to a child or adult, and serious damage to the Monitor.

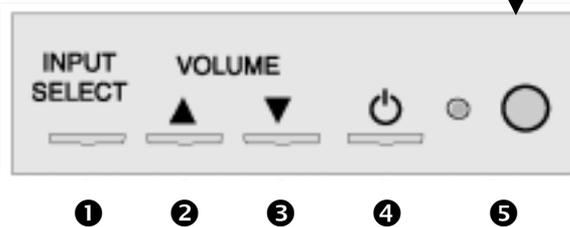


**Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR, 4:3 picture format or if a CH label is present; the fixed image may remain visible on the screen.**

# Overview Of Your New PDP

## OSD Button

< Front Panel >



### ▶ OSD Button & Function

- ❶ Input Signal Source Select
- ❷ Audio Volume Up
- ❸ Audio Volume Down
- ❹ Power (Stand By)
- ❺ Remote Sensor & Power Indicator

## OSD Key Function

### ▶ SELECT

Select the signal source from multiple input sources such as TV, AV1, S-Video, AV2, Component1, Component2, PC and DVI.

### ▶ VOL- / VOL+

Change the audio level in normal display mode and move the scroll bar in Volume control menu.

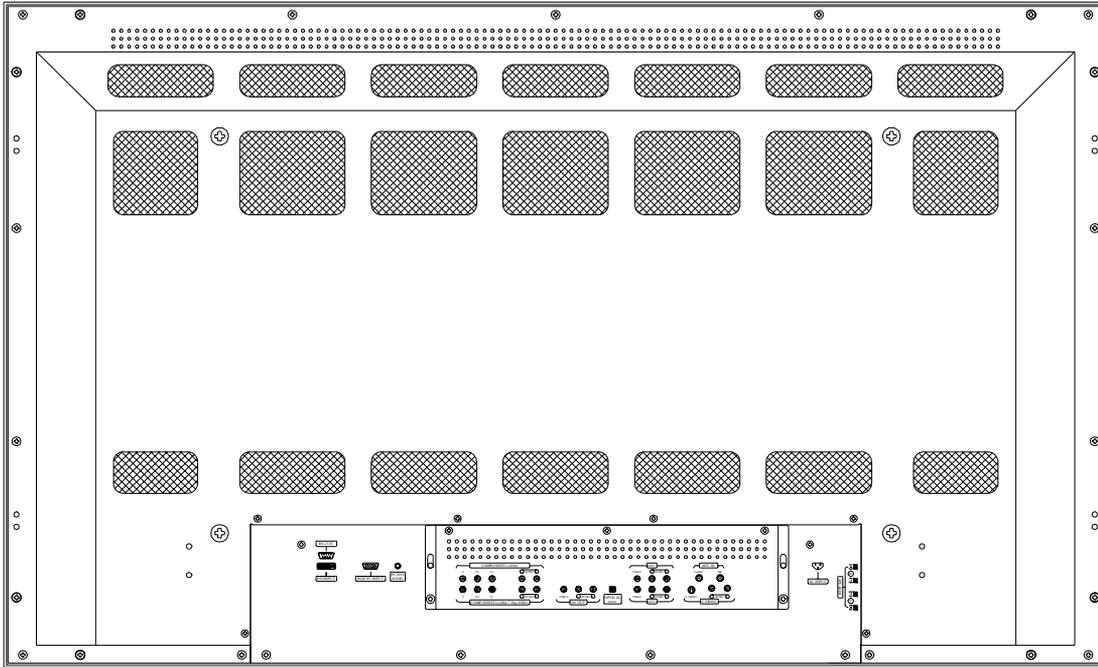
- These buttons are used to change the channel.
  - If you press ▲ button first, you can control volume up(▲) and down(▼) until OSD disappears.
  - If you press ▼ button first, you can control channel up(▲) and down(▼) until OSD disappears.

### ▶ Power On/Off

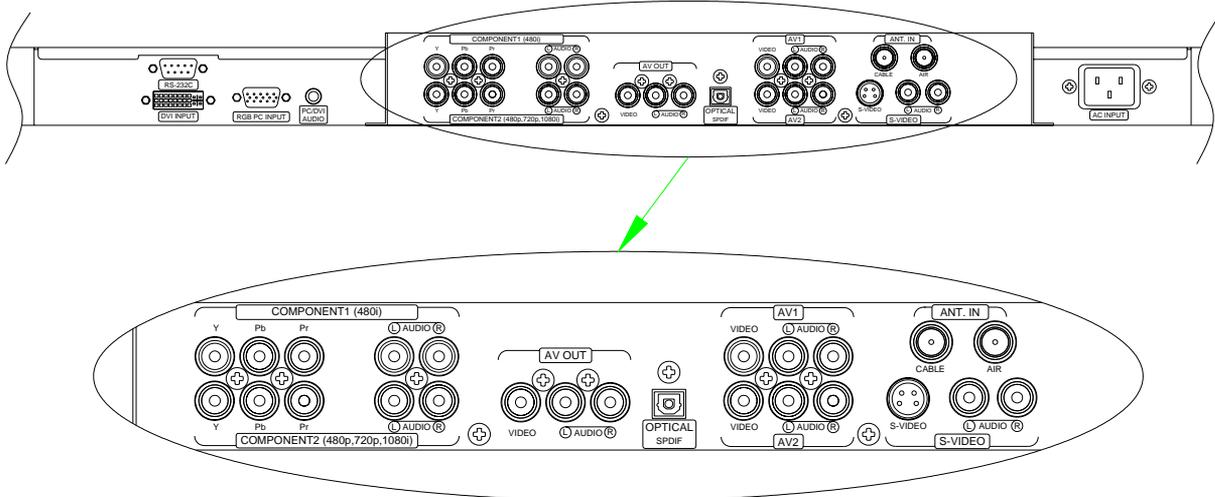
Turn on and off the main power.

# Overview Of Your New PDP

## Connecting To External Equipment



Back panel of the Monitor



- **RS-232C INPUT TERMINAL**

Control the monitor's functions externally by external equipment. Connects to the computer RS-232C output terminal.

- **DVI Input Terminal**

Receives the digital video signals from a set top box or PC.

- **HDCP**

HDCP(High-bandwidth Digital Content Protection) is a system for protecting DVD content outputted via DVI from being copied. It provides a secure digital link between a video source(PC, DVD . etc) and a display device(TV, projector . etc). Content is encrypted at the source device to prevent unauthorized copies from being made.

# Overview Of Your New PDP

## •RGB PC Input Terminal

Connects to the computer monitor's (analog RGB or DTV receiver) output terminal. Cables connecting the PC vary according to the type of machine, so contact your product dealer.

## • PC/DVI Audio Input Terminal

Connects to the audio output terminal of PC or Set Top box (earphone type)

## • Component Input 1 (480i)

Connects to a component output terminal of VCRs or DVD player or Set Top box.

## •Component Input 2 (480p, 720p, 1080i)

Connects to a component output terminal of a progressive DVD player or DTV Set Top box.

## • AV Input

The Interface board is not equipped on PDP monitor. Contact your dealer for buying optional item

## • OPICAL (SPDIF) Digital Audio Out Jack

Use an optical digital cable to connect to a compatible Dolby Digital receiver.

## • S-Video Input Terminal

Connects to a S-Video output terminal of a S-VHS, VCRs or DVD players.

## • ANT. IN (TV Antenna Terminal)

- Air : The cable from an off-air TV antenna (not from the satellite dish) connects to this jack. Both standard analog (NTSC) and high definition digital (ATSC) program broadcasts can be received through a single antenna connected to this jack.
- Cable : The RG-6 cable from cable TV provider (if you have one) connects to this jack.

## • AC(POWER) Input Terminal

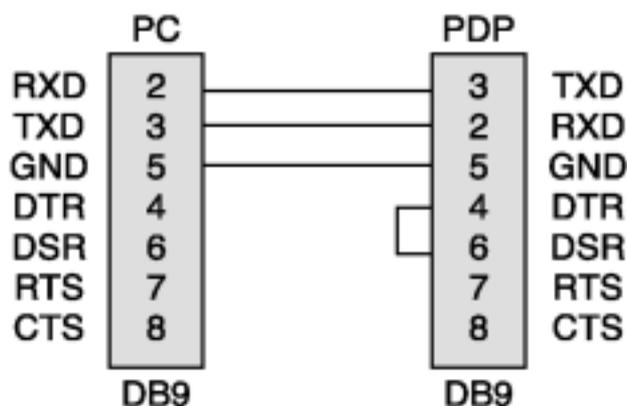
Firmly insert the accessory power cord as far as it will go into the power input terminal. Firmly push the power cord plug as far as it will go into the power socket.

Connectors	
AUDIO INPUT	RCA Pin Jack
VIDEO INPUT	RCA Pin Jack
S-VIDEO INPUT	Pin Did
COMPONENT VIDEO INPUT	RCA Pin Jack
RGB INPUT	15-pin D-sub
RS-232C	9-pin D-sub

- Cables connecting the PC vary according to the type of machine, so consult your product dealer. (If the cable is different to the picture, inquire your PC service center)

## RS-232C Configurations

### 3- wire configuration (Not standard)



# Accessories



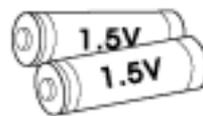
Remote Control Handset



Power Cord



D-sub 15 pin VGA cable



Alkaline Batteries



Owner's Manual

# Optional Extras

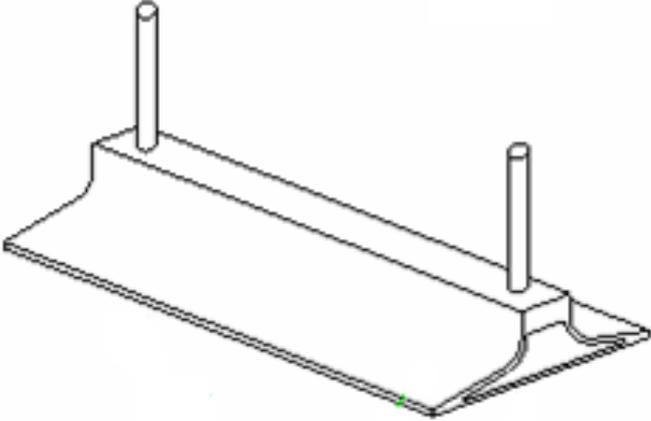


Table Stand  
(Type United)



Table Stand  
(type Separated)

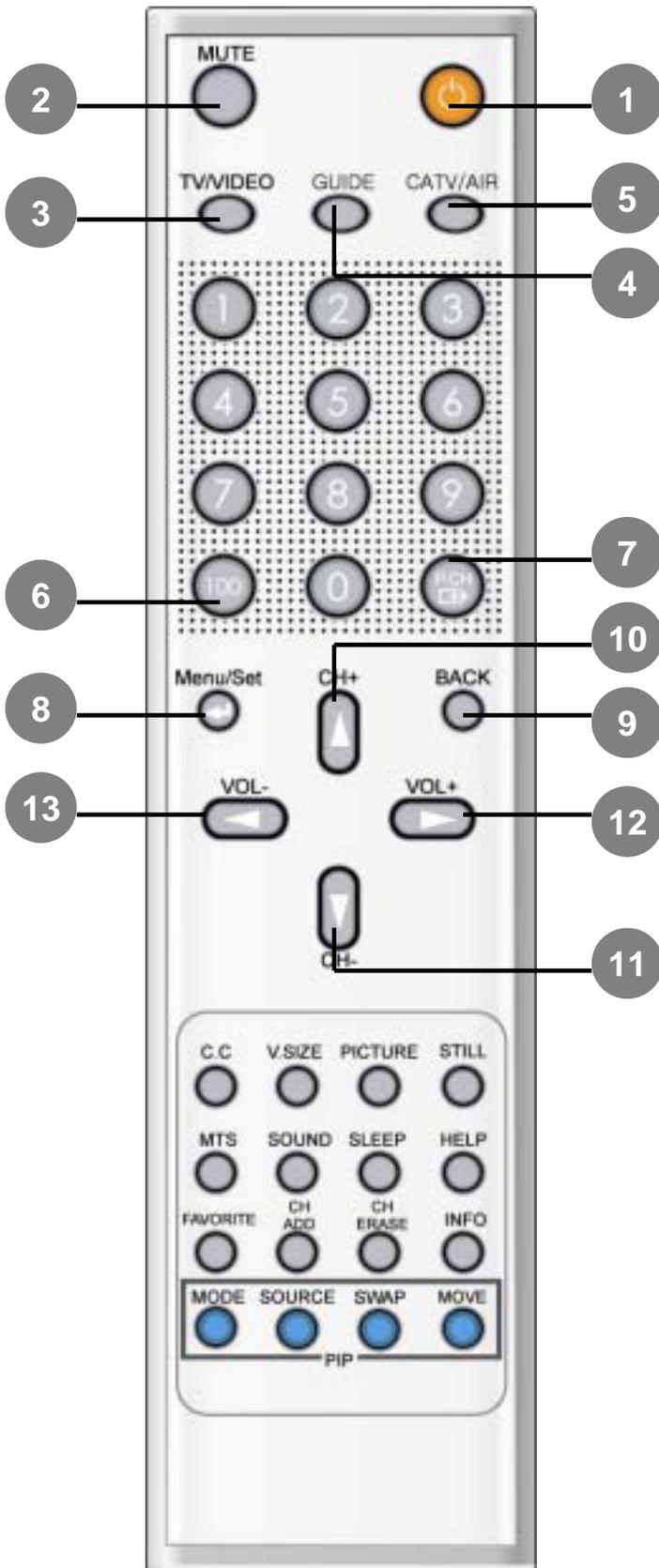


Fixed Wall  
Mount Bracket



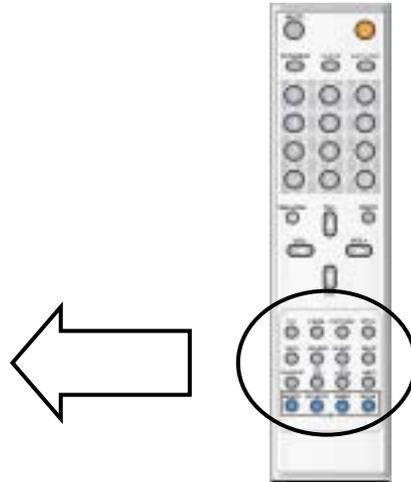
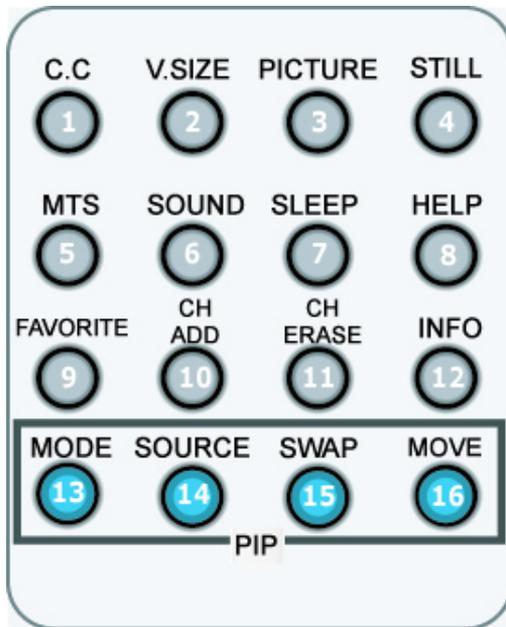
Side Mount Speaker

# Remote Control



- **1. POWER**  
Turns the PDP on and off.
- **2. MUTE**  
Temporarily interrupt the sound or restore it.
- **3. TV / VIDEO**  
Press to display all of the available video sources ( e.g. TV, AV1, AV2, S-Video, Component1, Component2, PC and DVI)
- **4. GUIDE**  
Press to see the digital broadcasting information. ( Available only Digital Channels)
- **5. CATV/AIR**  
Press to select CATV or AIR(terrestrial broadcast).
- **6. 100**  
Press to select channels over 100.  
For example, to select channel 121, press “100”, then press “2” and “1”.
- **7. P.CH (EXIT)**  
Turns to the previous channel.  
Or EXIT all OSD menus. (Used in OSD menu only.)
- **8. MENU/SET**  
Display the main OSD menu.  
And this button is used to select a mode in OSD.
- **9. BACK**  
Go to the previous OSD menu.
- **10. CH+**  
Switch to upper channel.  
“▲” button when OSD menu is enable.
- **11. CH-**  
Switch to lower channel.  
“▼” button when OSD menu is enable.
- **12. VOL+**  
Increase the volume level.  
“▶” button when OSD menu is enable.
- **13. VOL-**  
Decrease the volume level.  
“◀” button when OSD menu is enable.

# Remote Control



- **1. C.C**  
Press to see the Closed Caption.
- **2. V.SIZE**  
Press to change Screen Size.  
(Full -> Zoom1 -> Zoom2-> Pillar)
- **3. PICTURE**  
Press to change Picture Mode.  
(Custom -> Standard -> Sharp -> Mild)
- **4. STILL**  
Press to pause the current screen, press once again for reset.
- **5. MTS ( Multichannel Television Stereo )**  
Press to choose mono, stereo or SAP  
(Separate Audio Program)
- **6. SOUND**  
Press to change Sound Mode.  
(Custom -> Standard -> Music -> Movie  
->Speech)
- **7. SLEEP**  
Press to choose a preset time interval for automatic shutoff. (10min. -> 20min. -> ...  
-> 360 min.)
- **8. HELP**  
Press to see the Help message.  
(Only in OSD menu.)
- **9. FAVORITE**  
Press to see the favorite channels.
- **10. CH ADD**  
Press to add Channel in the memory
- **11. CH ERASE**  
Press to erase Channel in the memory
- **12. INFO**  
Press to display information on the PDP screen.
- **13. MODE**  
Press to make the PIP window large or small ( window -> half -> off)
- **14. SOURCE**  
Press to select one of the available signal sources for the PIP window.
- **15. SWAP**  
Exchanges the video signal that is currently displayed on the main screen with the signal in the PIP window.
- **16. MOVE**  
Press to move the PIP window to any of the four corners of the screen

# Controls Of The Remote Control

## Loading The Batteries

**1** Press on the cover and slide in the direction of the arrow.



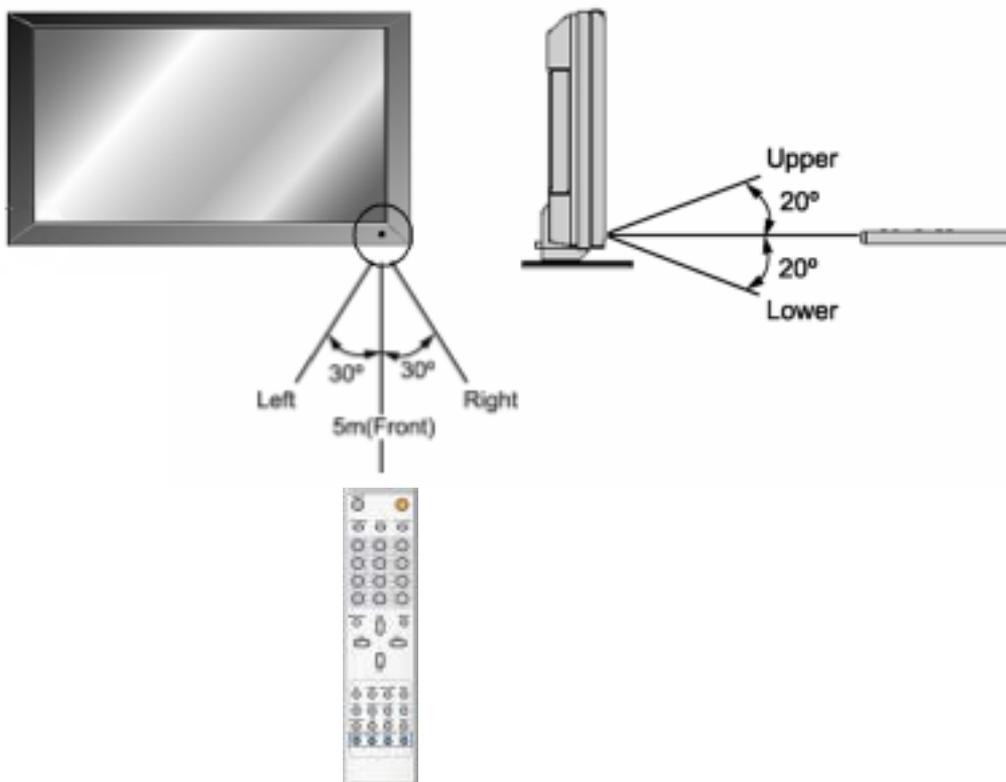
**2** Load two AAA batteries, taking care that the + and - ends face the correct direction.



**3** Close the cover until it clicks.



## Reception range of remote control



# Monitor Installation

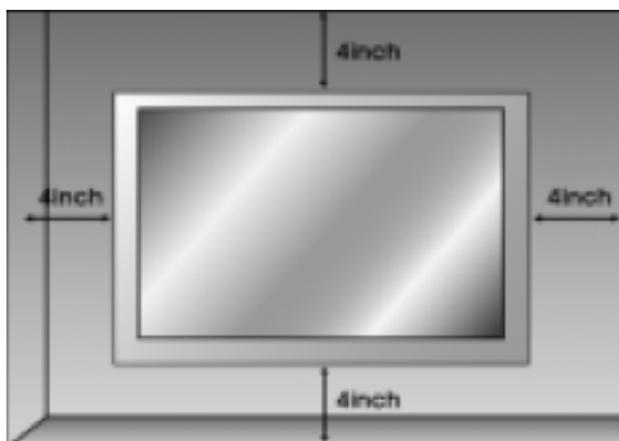
The Monitor can be installed in various ways such as Wall Mounting type, Table Stand type, etc..

## Wall Mount Installation(optional)



<The monitor can be installed on the wall as the picture above>

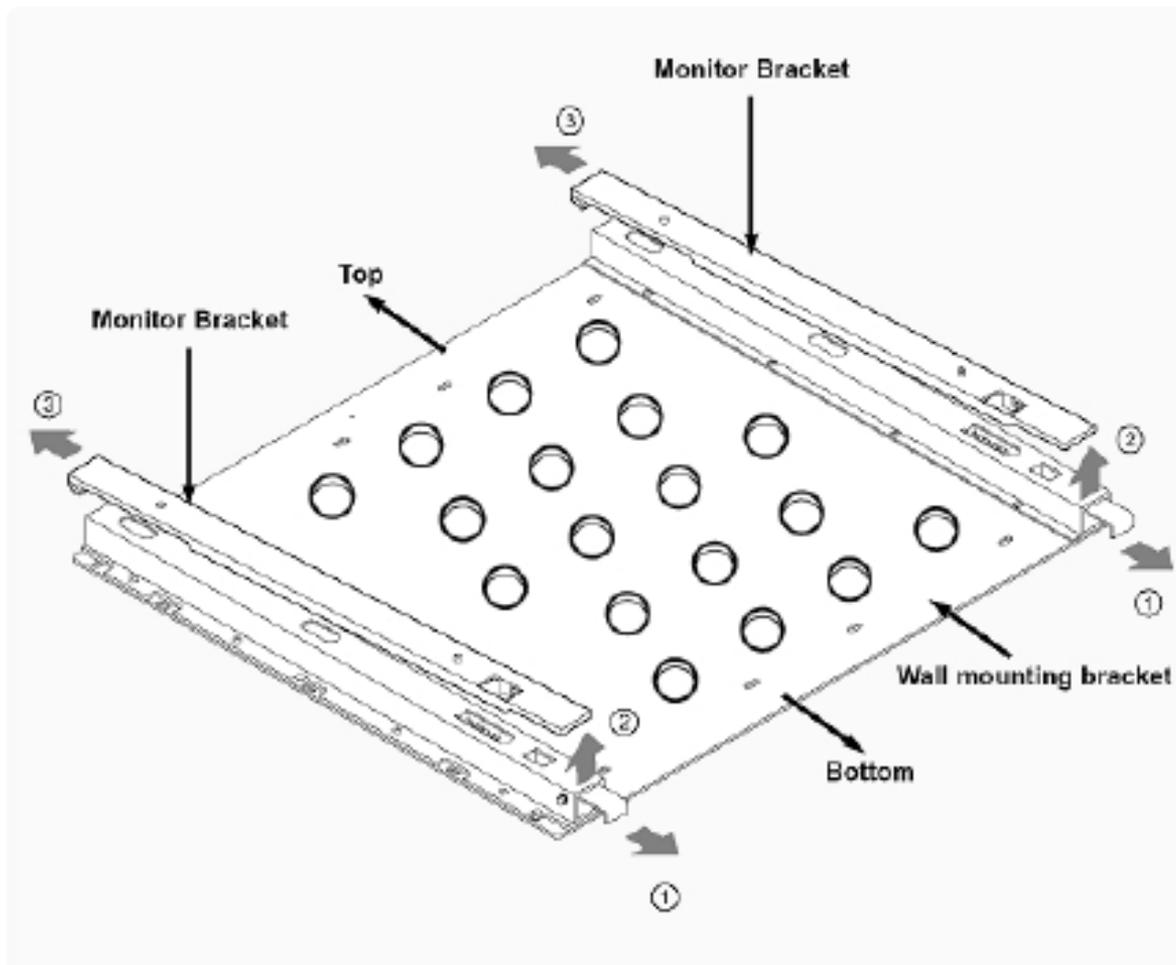
- Install this monitor only in a location where adequate ventilation is available.



# Monitor Installation

Type-A

## Installation



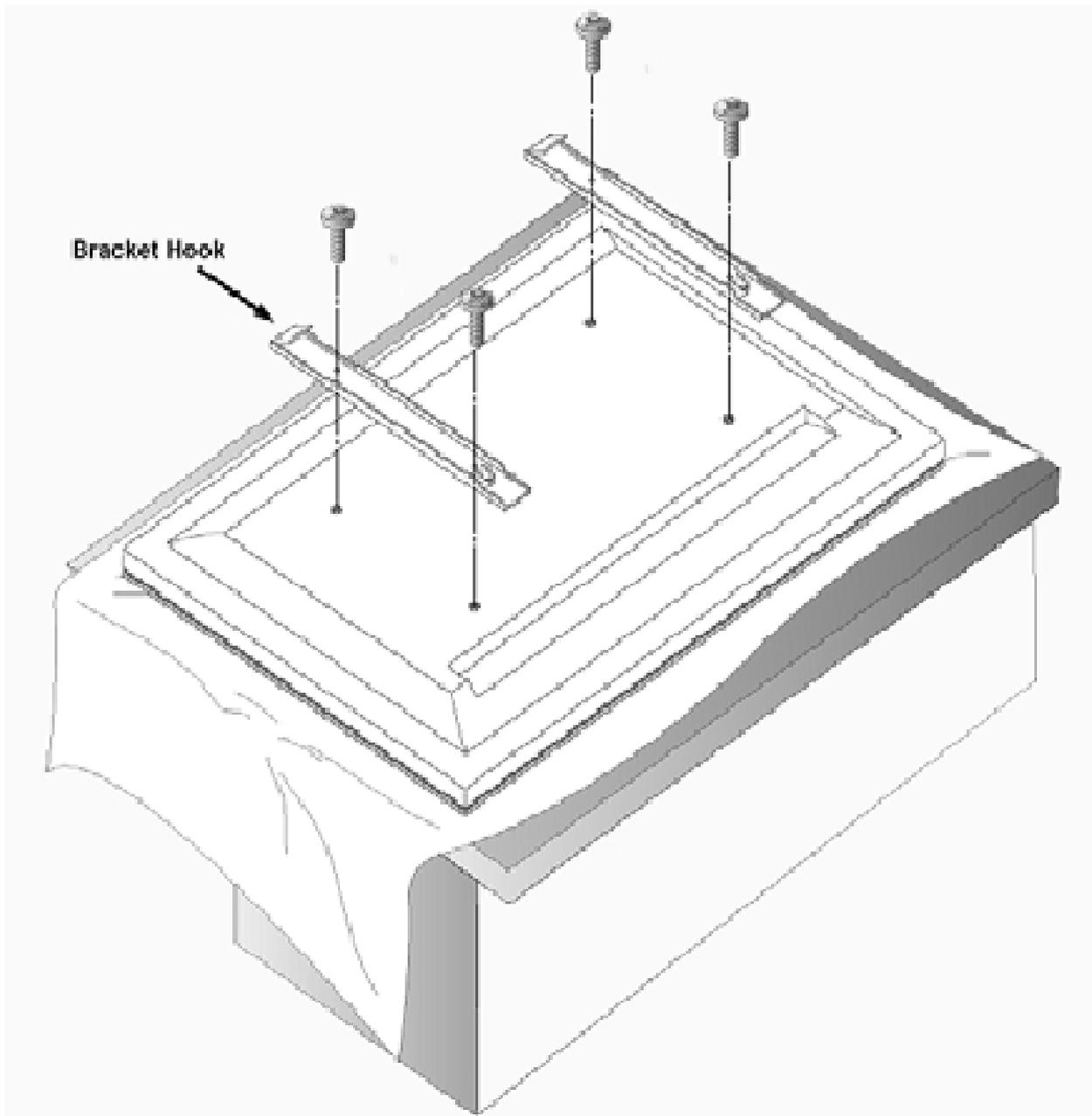
► **Detach the monitor brackets from the wall mounting bracket:**

Pull the monitor brackets in the direction shown by arrow 1.

Lift the monitor brackets in the direction shown by arrow 2.

Lift the monitor brackets off the mounting frame in the direction shown by arrow 3.

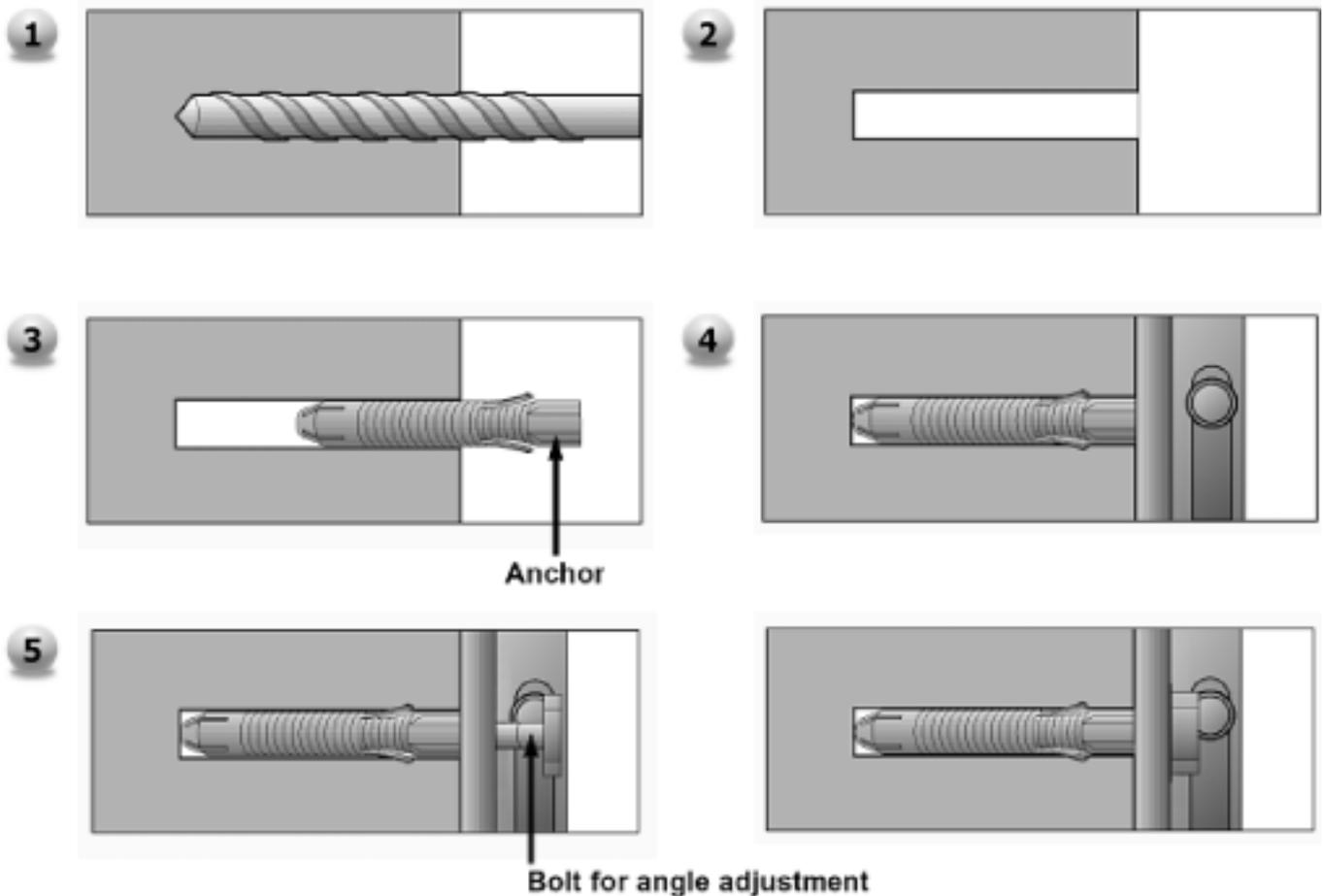
# Monitor Installation



- As shown above, carefully place the Monitor screen side down on a cushioned surface that will protect the monitor and screen from damage.
- Insert the monitor brackets on the monitor as shown above. Install the 4 bolts securely, in the back of the monitor in the holes provided. Be sure the bracket hooks are at the top side of the monitor.

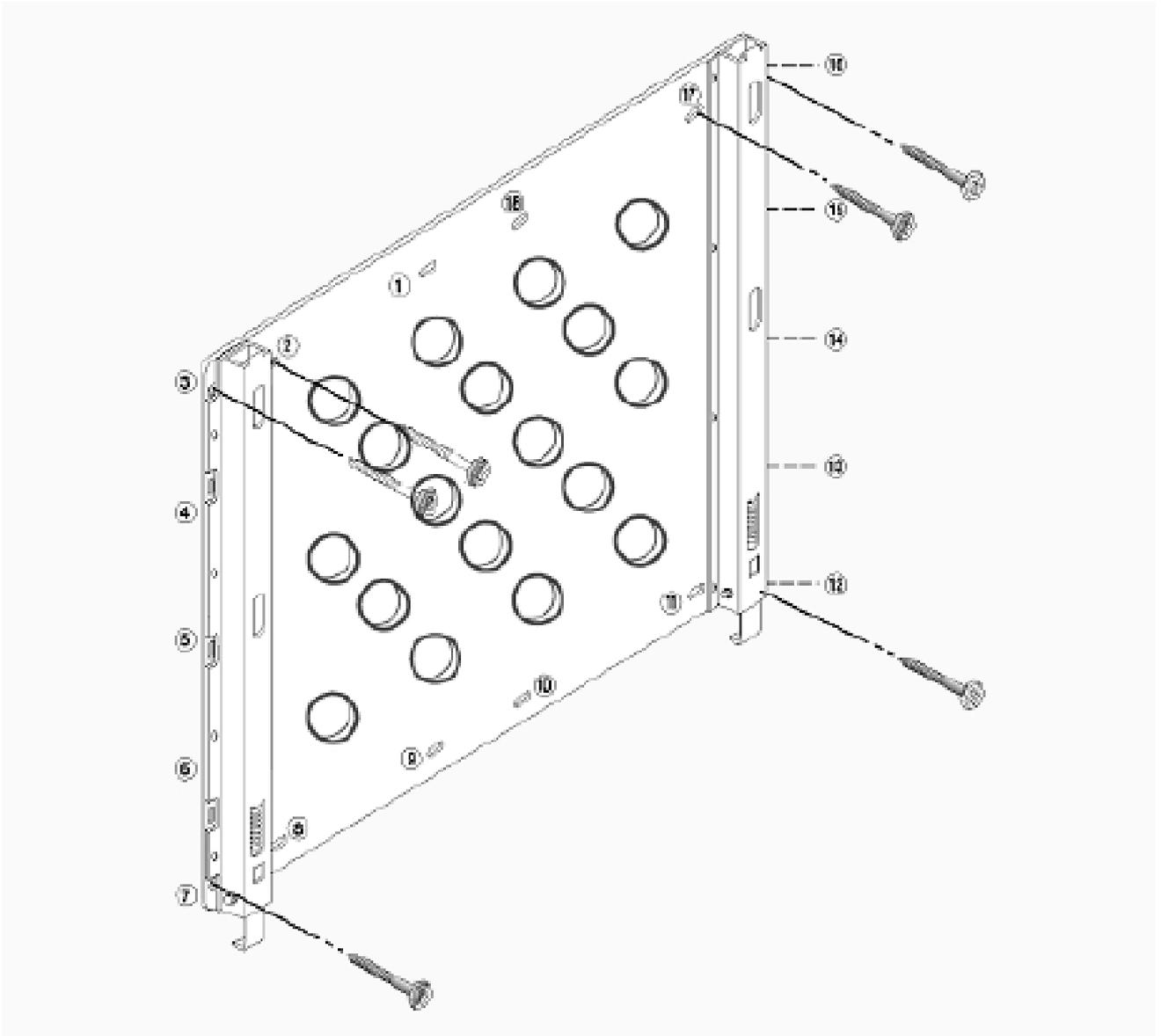
# Monitor Installation

## • How to fix anchors and bolts



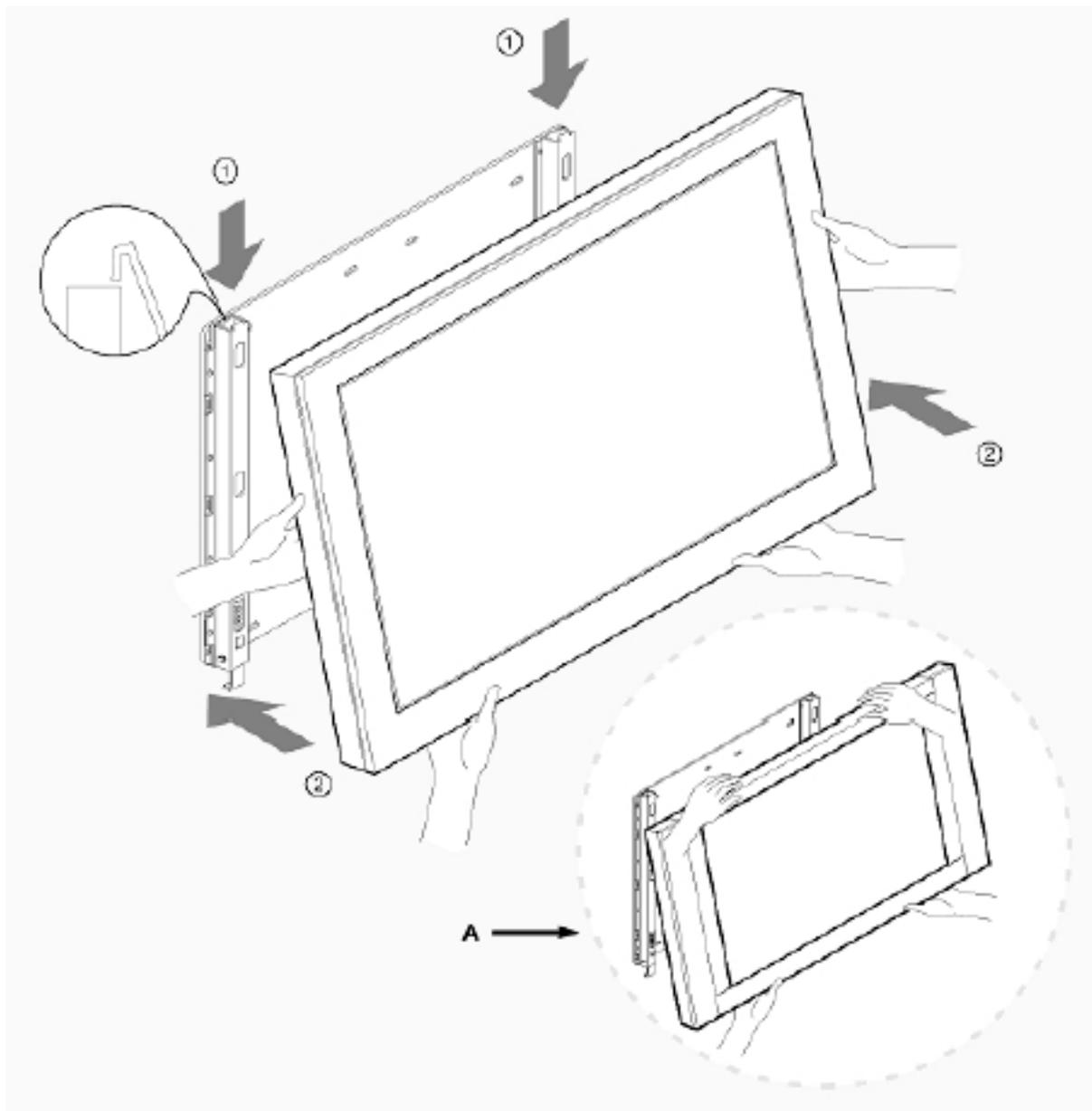
- 1** Drill the 6 hole positions as shown on page 19. Using an 8 mm drill appropriate for the material on the wall, drill each hole to a depth of 80mm~100mm.
- 2** Clean each drilled hole.
- 3** Insert an anchor supplied with the wall mounting bracket into each hole.
- 4** Mount the wall mounting bracket on the wall using the 6 washers and bolts supplied.
- 5** Adjust the bolt head angles as necessary, see above.

# Monitor Installation



- Bolt the monitor wall-mount frame to the wall as shown above using holes 2, 3, 7, 12, 16, and 17.
- If it is necessary to use different holes than the ones indicated above, use only up to two (2) other holes.

# Monitor Installation



**See A above, two people who are capable of lifting the weight of the monitor should do the following:**

Carefully lift up the monitor and place it in position on the wall mounting bracket securely as shown by arrow 1.

Push the bottom of the monitor toward the wall as shown in arrow 2, so that the monitor will “click” into position onto the wall mounting bracket.



- Be sure to lift a monitor / speakers assembly by the monitor only, do not lift using only the speakers.

# Monitor Installation

- **Wall Mount Accessories**



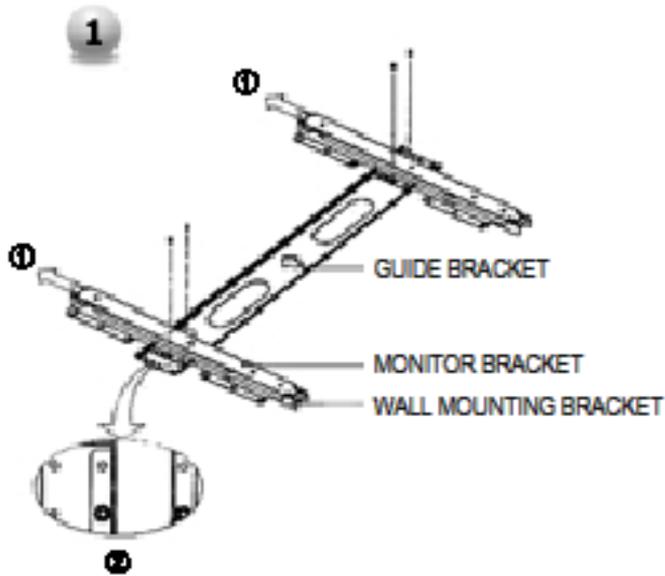
6-Bolts for Wall  
mounting bracket



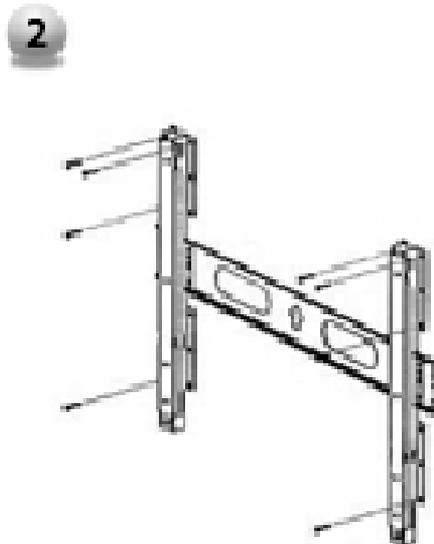
6-Wall Anchor  
Bolt Sleeves

# Monitor Installation

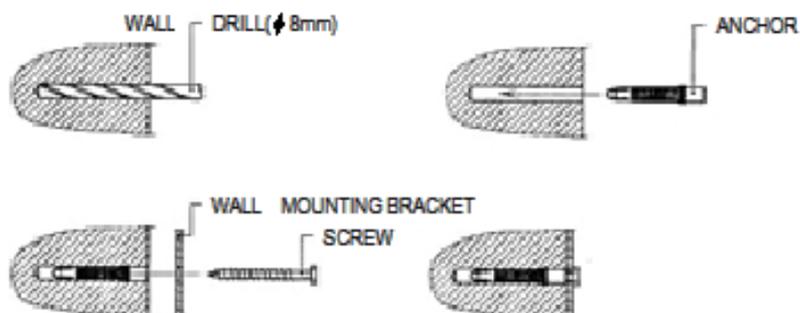
## Type-B



1. Before installation of monitor, Assemble to the same inch of the PDP shown as left(2).
2. Lift the monitor brackets off the mounting frame shown as arrow 1.

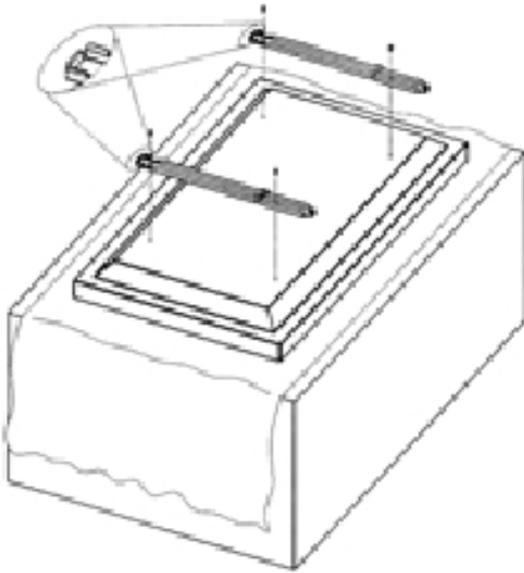


1. Drill the 8 hole positions shown as left. Using an 8mm drill appropriate for the material on the wall, drill each hole to a depth of exceed 80mm.
2. Clean each drill hole.
3. Insert an anchor supplied with the wall mounting bracket into each hole.
4. Mount the wall mounting bracket on the wall using the 8 screws supplied.



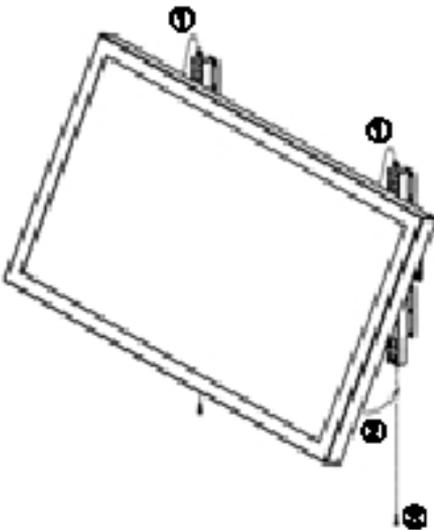
# Monitor Installation

3

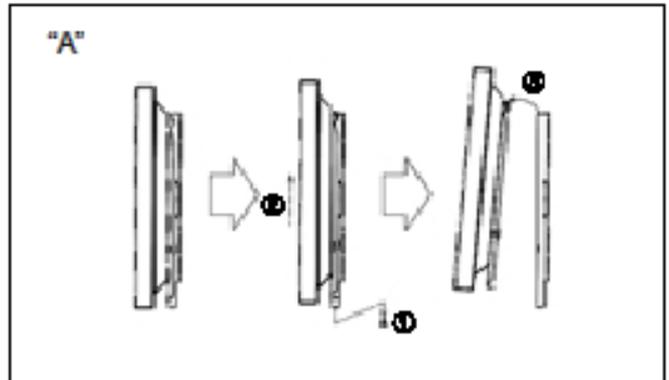
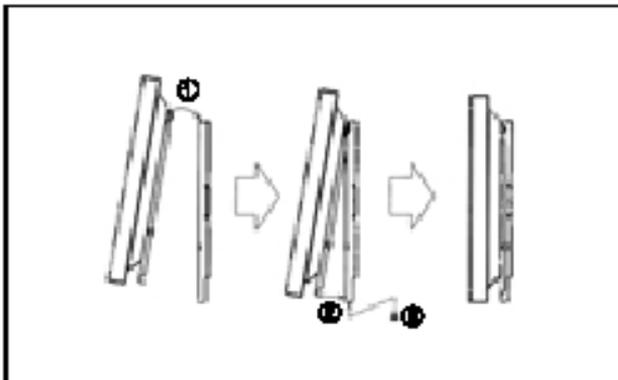


1. Shown as left, carefully place the monitor screen side down on a cushioned surface that will protect the monitor and screen from damage.
2. Insert the monitor brackets on the monitor shown as left. Install the 4 bolts securely, in the back of the monitor in the holes provided. Be sure the bracket hooks are at the top side of the monitor. (for 42" PDP)

4



1. Two people who are capable of lifting the weight of the monitor should do the following :  
Carefully lift up the monitor and place it in position on the wall mounting bracket securely shown as by arrow  
Push the bottom of the monitor toward the wall as shown in arrow2. so that the monitor will "click" into position onto the wall mounting bracket.
2. Wall mounting bracket and monitor bracket should combine together by bolt shown as left.
3. Caution : Be sure to lift a monitor/speakers assembly by the monitor only, do not lift using only the speakers.
4. When separate the monitor, follow shown as below "A".

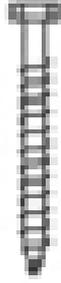


# Monitor Installation

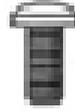
## Wall mount accessories



ANCHOR 8EA



SCREW 8EA



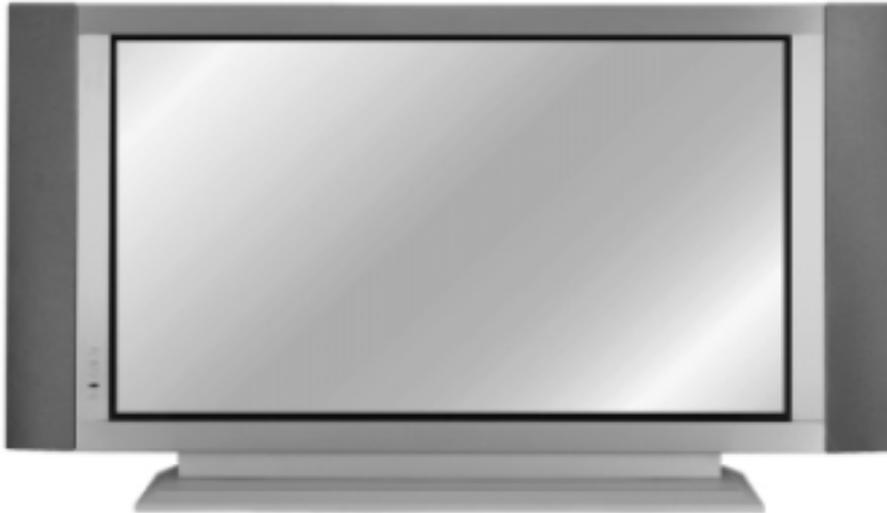
BOLT 6EA  
M8 x 30L



BOLT 6EA  
M4 x 6L

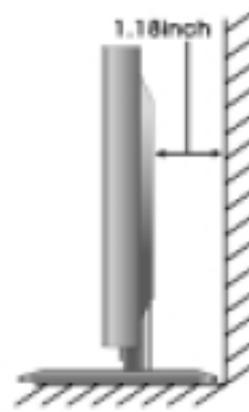
# Monitor Installation

## Table Stand Installation(optional)



<The Monitor can be installed on a desk as shown above.>

- Table Stand mount minimum allowable clearances for adequate ventilation.

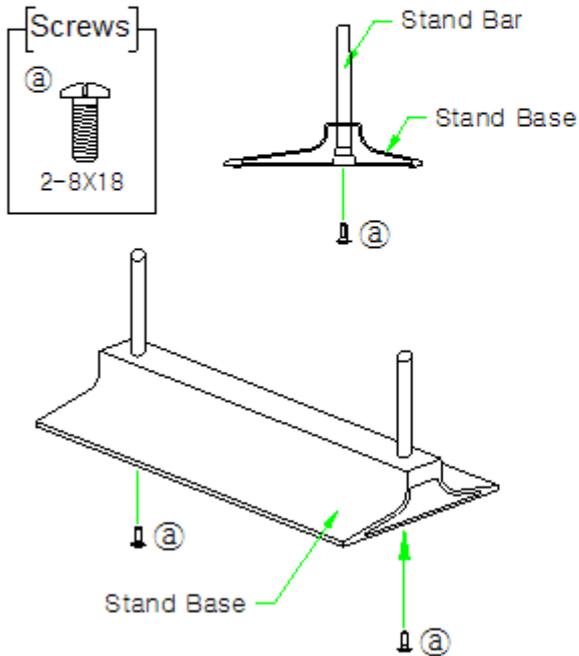


# Monitor Installation

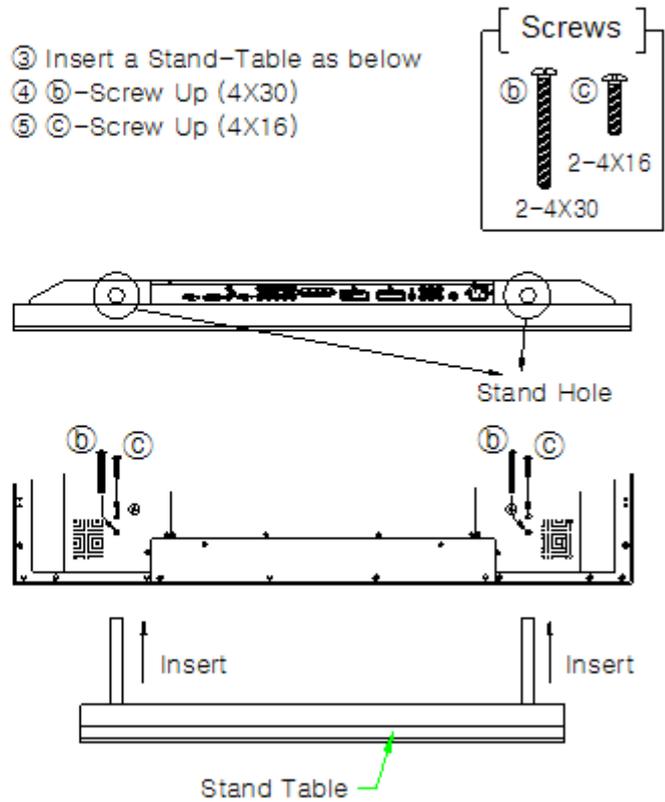
## • Installation

### Stand-Table User's Guide

- ① Insert Stand Bars into the Stand Base as shown below
- ② ③-Screw Up (8X18)



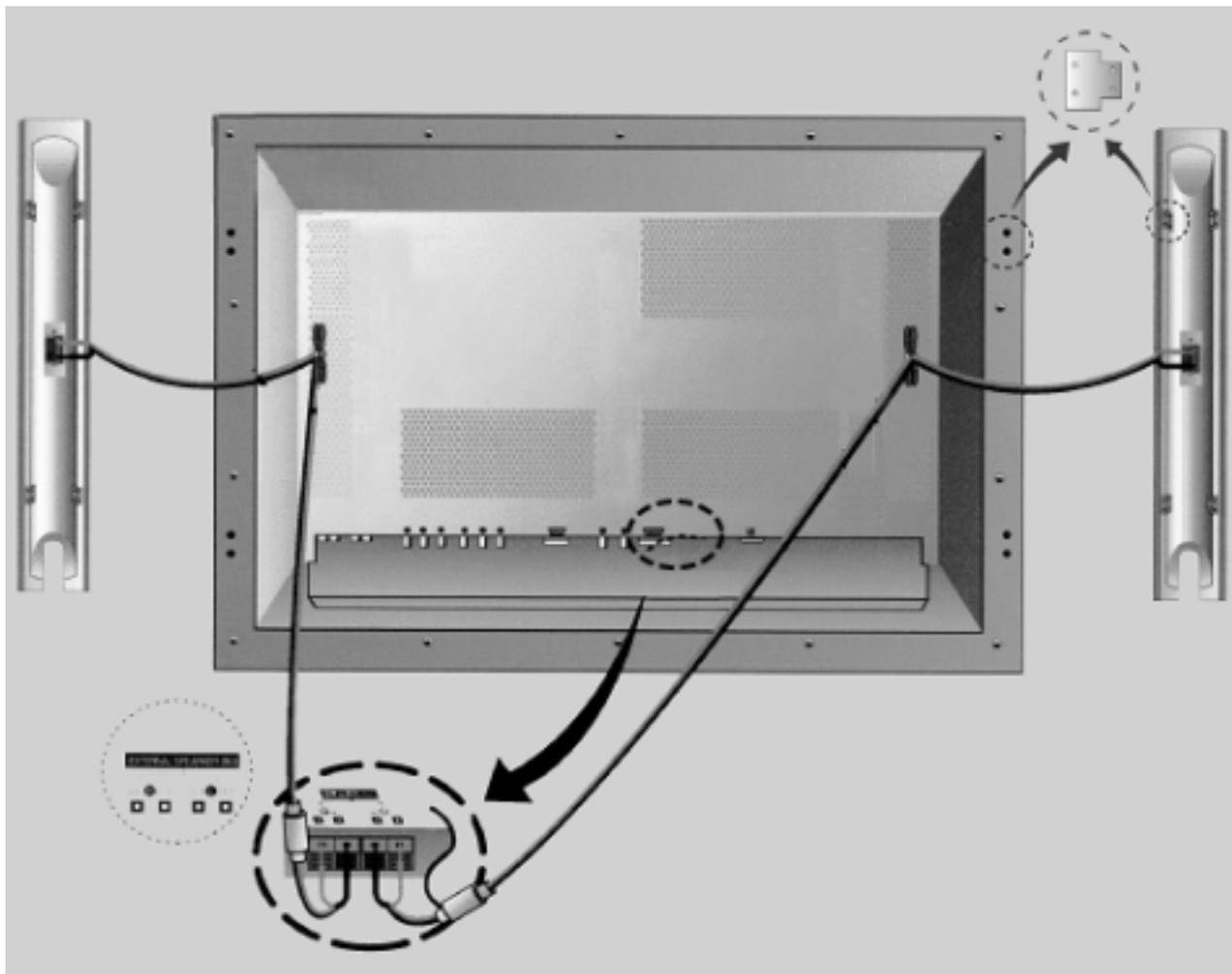
- ③ Insert a Stand-Table as below
- ④ ④-Screw Up (4X30)
- ⑤ ⑤-Screw Up (4X16)



# Monitor Installation

## Speaker Installation

- 42" Speaker Installation (Optional)



### Caution

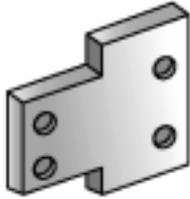
- Be sure monitor power is turned off before making any connections.

Place the speakers in the position you want. Install the speaker wires on the monitor and speaker. Be sure to connect the positive "+" wire to the "+" input and the negative "-" wire to the "-" input. Connect left monitor input to left speaker and right monitor input to right speaker. Any extra speaker wire length remaining can be bunched into the wire holders provided.

(Caution: Once installed, the speaker wire holders lock into position and can't be removed.)

# Monitor Installation

- **Speaker Accessories**



4-Iron Plates (Mount speakers to monitor)



8-4 x 16 Long Bolts (Attach iron plates to speakers)



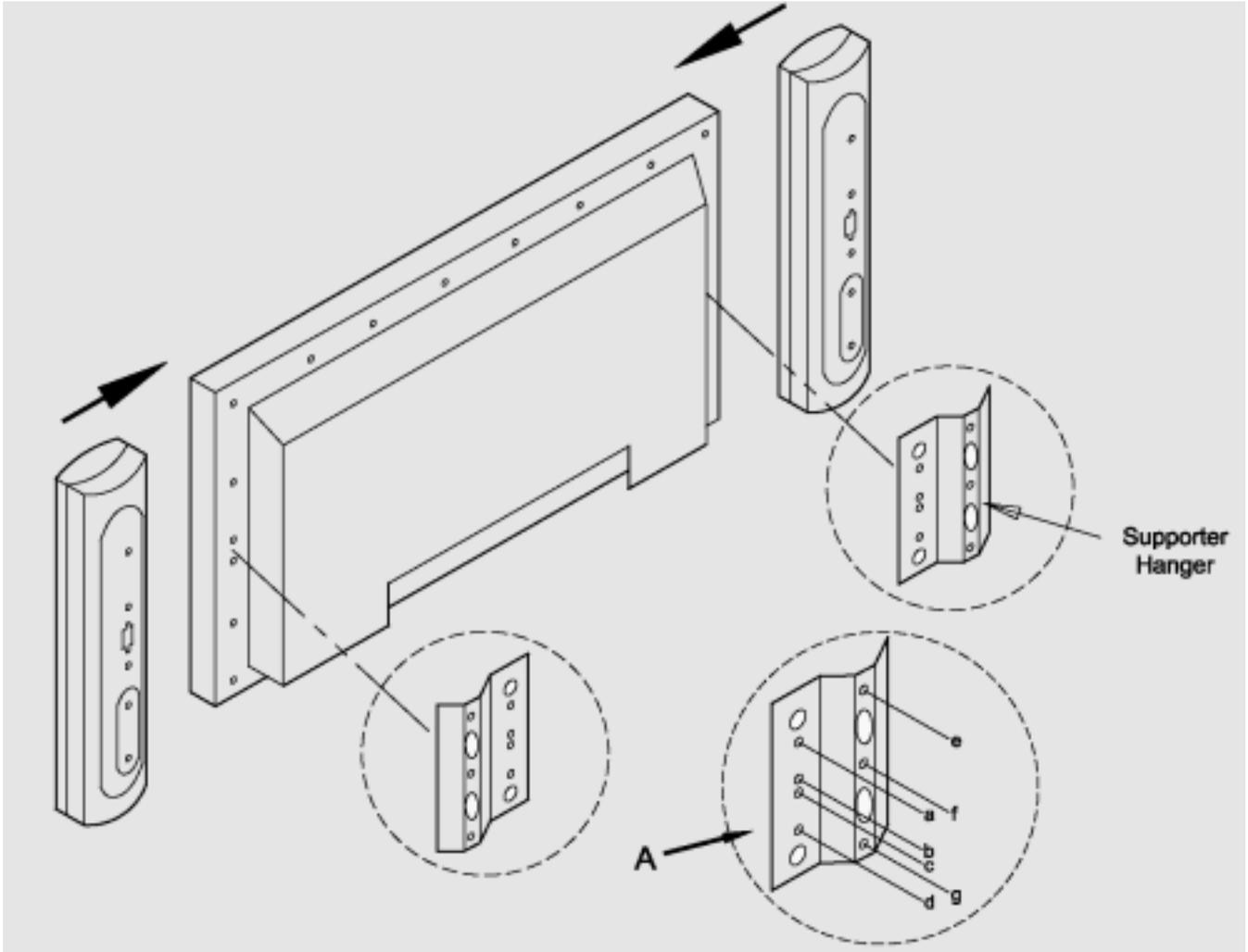
8-4 x 8 Short Bolts (Attach iron plates to monitor)



2-Speaker Wires

# Monitor Installation

## • 50" Speaker Installation (Optional)



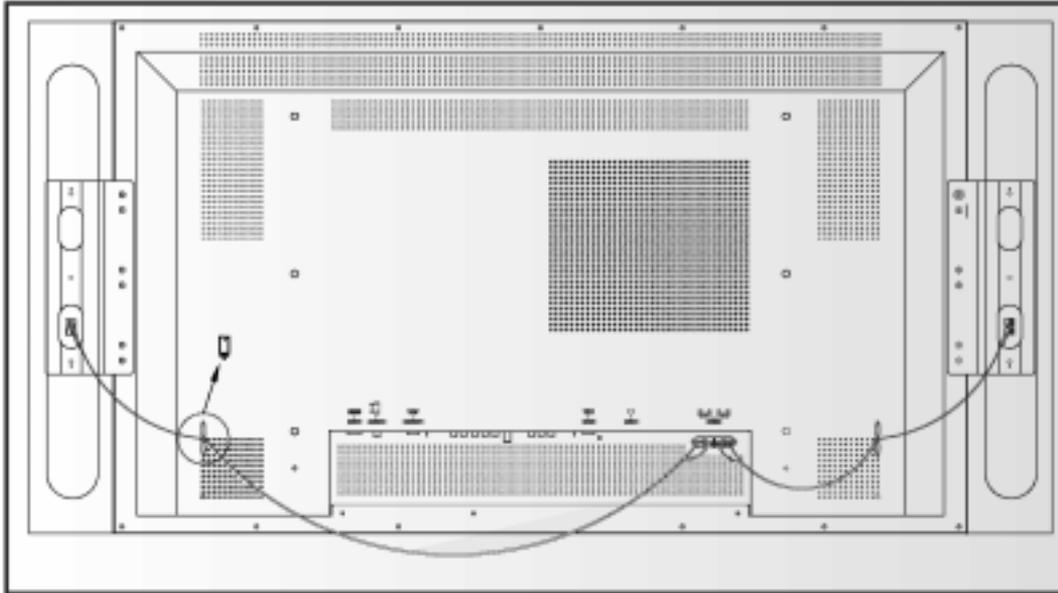
- Match red to red, black to black of Speaker / TV



- Always lift the monitor itself (not the speakers) when handling or moving the monitor after speakers have been installed. Assemble the monitor to speaker with using the supporter hanger and bolt. As shown above A, assemble the a and b of supporter hanger to the monitor with using the bolt(M4x8). Assemble the c, d and e to the speaker with using the bolt(4x16). If the bolts are tightened too much, the product could be damaged.

# Monitor Installation

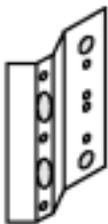
- **Connecting Speakers to the Monitor using the speakers wires provided**



## Caution

- Be sure monitor power is turned off before making any connections. Place the speakers in the position you want. Install the speaker wires on the monitor and speaker. Be sure to connect the positive "+" wire to the "+" input and the negative "-" wire to the "-" input. Connect left monitor input to left speaker and right monitor input to right speaker. Any extra speaker wire length remaining can be bunched into the wire holders provided. (Caution: Once installed, the speaker wire holders lock into position and can't be removed.)

- **Accessories**



2 - Supporter Hanger  
(Mount speakers to Monitor.)



6 - 4X16 Bolts  
(Attach Supporter Hanger to speakers.)



8 - M4X8 Bolts  
(Attach Supporter Hanger to monitor.)



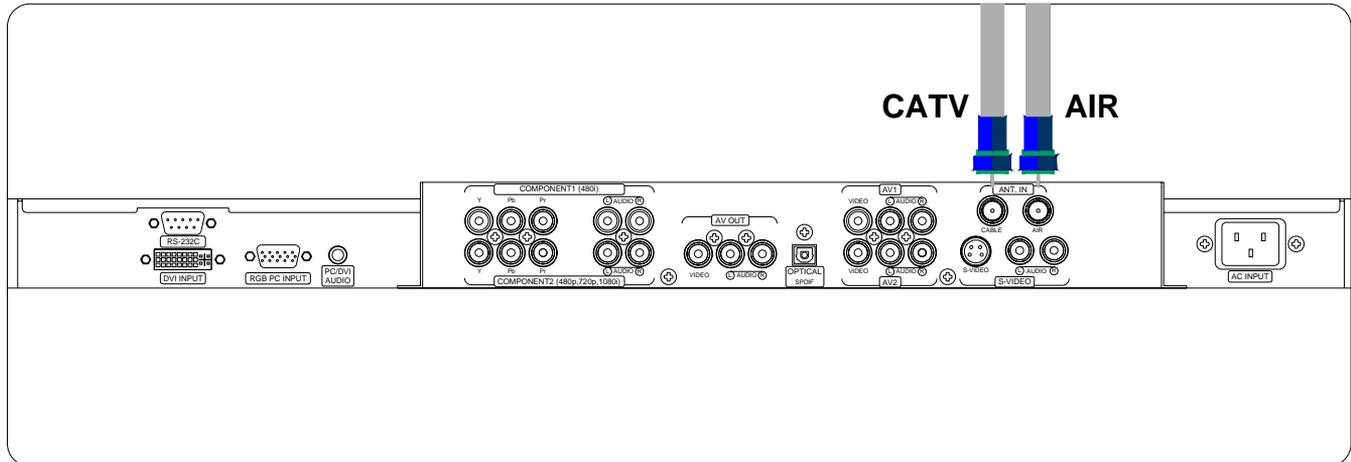
2-Speaker Wires



2 - Speaker Wire Holders  
(for arranging the speaker wires.)

# Watching TV

## TV Antenna Cable



### To watch TV (When the Interface board is installed.)

- 1 Connect the signal source to TV input. Press TV/VIDEO button on the remote control and select TV on OSD.
- 2 Use CH+, CH- button or numeric button to change TV program for your program selection.
- 3 You can watch the previous program by pressing P.CH Button on Remote Control.
- 4 Also, you can tune to cable service provided programs using the cable box. For further information regarding cable TV service, contact cable TV service provider(s).

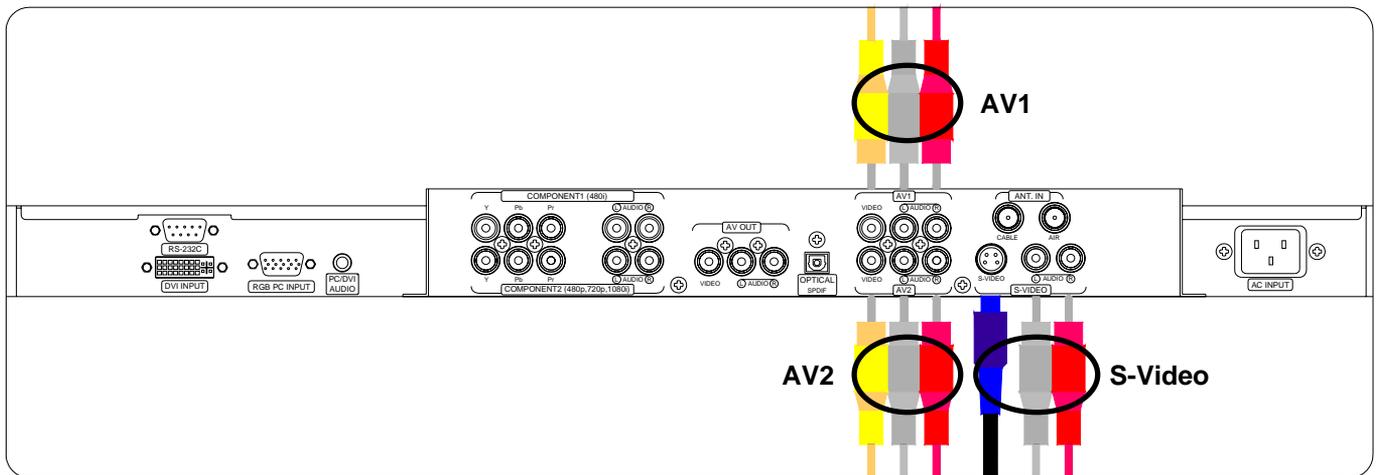
# Watching VCR

When connecting the Plasma Monitor with external equipments, match the colors of connecting ports (Video -yellow, Audio(L) - white, Audio(R) - red).

If you have a mono VCR, connect the audio cable from the VCR to the AUDIO(L/MONO) input of the Plasma Monitor.

If you connect an S-VIDEO VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.

Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR 4:3 picture format or if a CH label is present.



<To avoid picture noise (interference), leave an adequate distance(over 3m) between the VCR and monitor.>

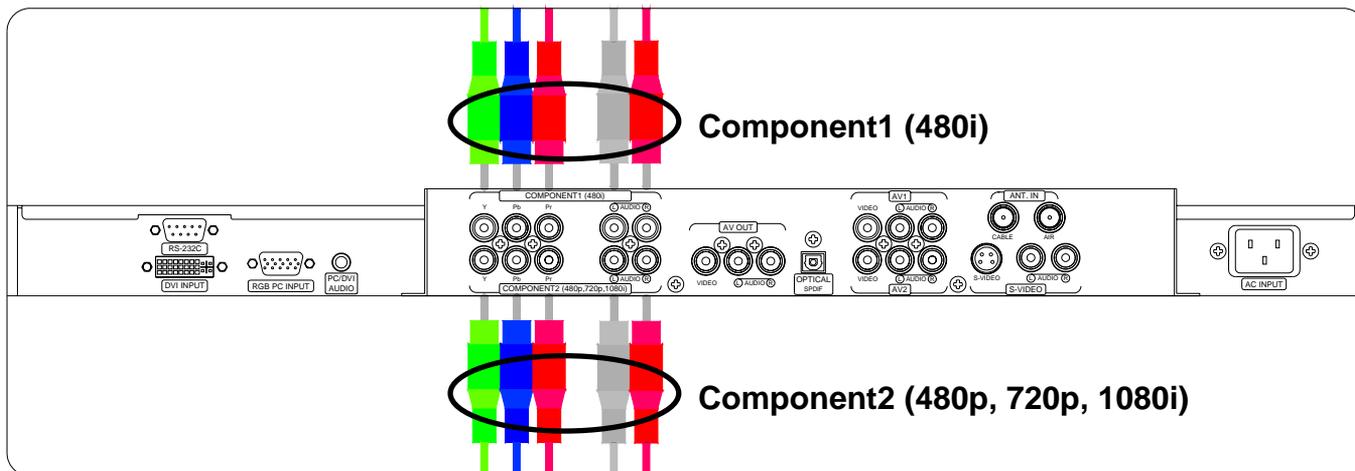
## To watch VCR (When the Interface board is installed.)

- 1 Press TV/ Video button on the remote control and select Video Sources.
- 2 Insert a video tape into the VCR and press the PLAY button on the VCR.

# Watching DVD

## How to connect (When the Interface board is installed.)

Connect DVD video inputs to Y, Pb, Pr of COMPONENT (DVD INPUT) and audio inputs to Audio sockets of AV INPUT.



## How to use (When the Interface board is installed.)

- 1 Turn on the DVD player.
- 2 Press TV / Video button on the remote control of the monitor to select Component1 or Component2(for Progressive).

	Component1	Component2
480i	○	X
480p	X	○
720p	X	○
1080i	X	○

### • Component Input ports

You can get better picture quality if you connect DVD player with component input ports as below.

Component ports of the Monitor	Y	PB	PR
Video output ports of DVD player	Y	Pb	Pr
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	PB	PR

## HDCP

HDCP(High-bandwidth Digital Content Protection) is a system for protecting DVD content outputted via DVI from being copied. It provides a secure digital link between a video source(PC, DVD . etc) and a display device(TV, projector . etc). Content is encrypted at the source device to prevent unauthorized copies from being made.

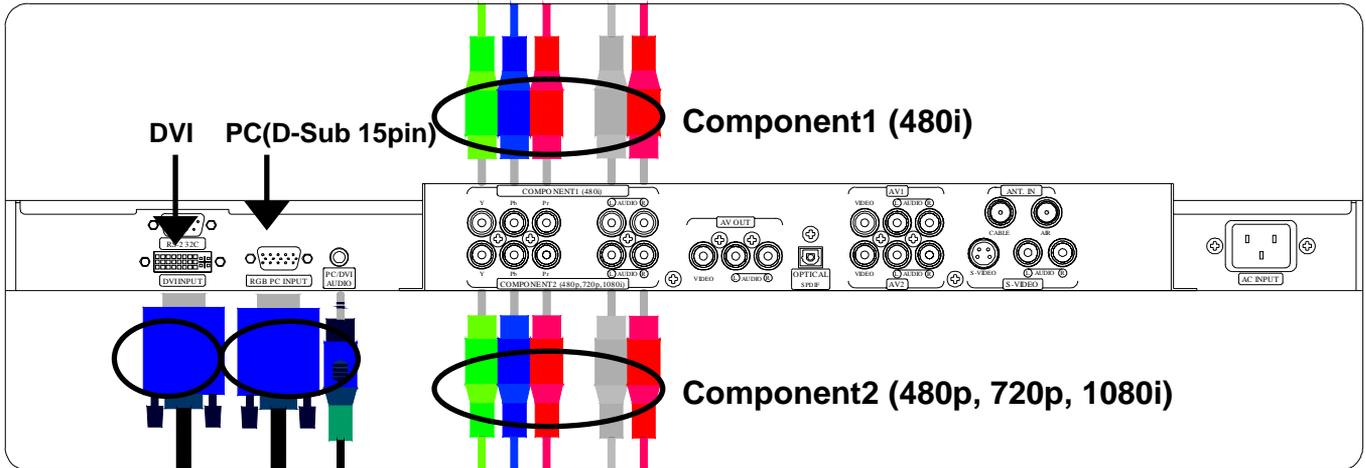


- Normal DVD source is based on 480i, which should be through normal YPbPr of Component signal.

# Watching Set Top Box

## How to connect (When the Interface board is installed.)

Connect Set Top Box video inputs to COMPONENT, PC or DVI. And audio inputs to Audio sockets of AV INPUT.

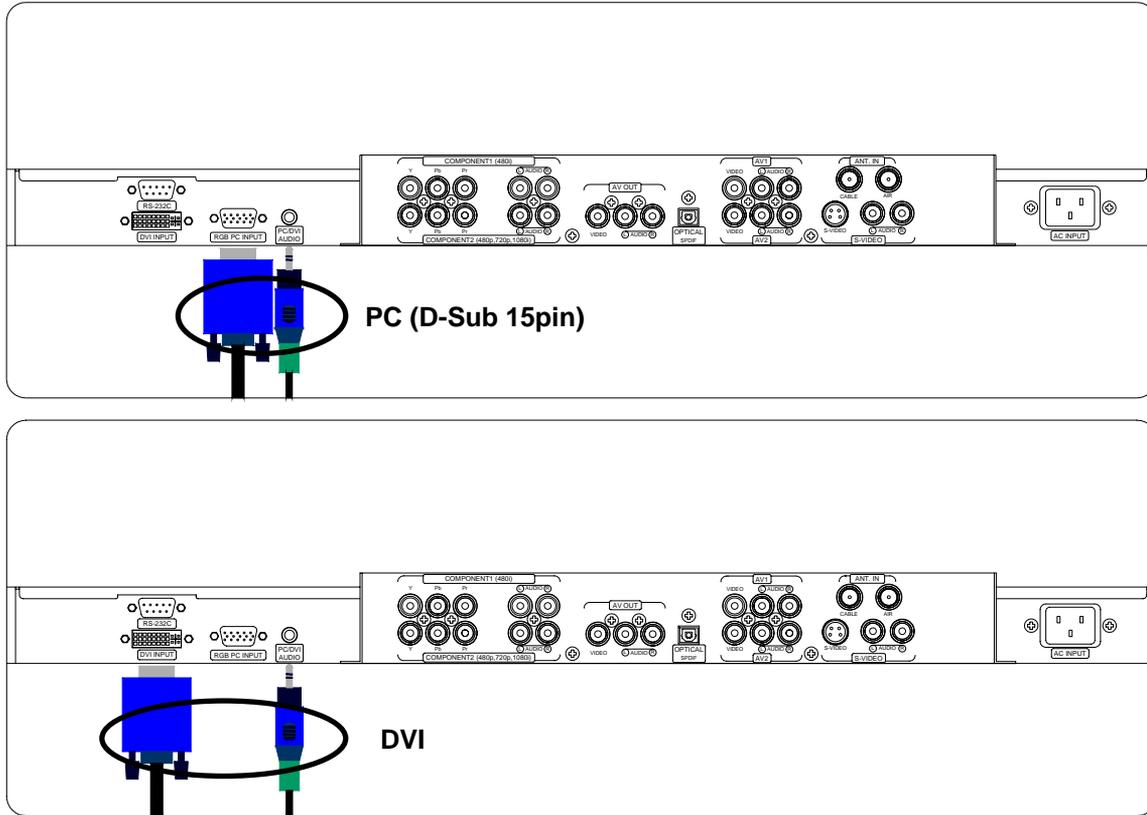


## How to use (When the Interface board is installed.)

- 1 Turn on the Set Top Box.
- 2 Toggle TV / Video button on the remote control of the monitor to select Component1, Component2, PC or DVI.

# Connecting The PC

You can enjoy vivid picture and sound with connecting a PC with the Monitor.



## ► Connecting a PC to the PDP

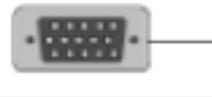
- Connect a PC (15pin) cable between the Video Output jack on the PC and the RGB (480i/p, 720p, 1080i) in (15p D-SUB) on the PDP.

## ► Pin Configuration

- 15Pin Signal Cable (based on protruded pin)

## ► To watch the PC screen

1. Turn on PDP and press TV/VIDEO Button to select the PC MODE
2. Turn on PC and check for PC requirements
3. Adjust the PC screen



Pin No.	Description
1	Red (R)
2	Green (G)
3	Blue (B)
4	Grounding
5	Grounding (DDC)
6	Red (R) Grounding
7	Green (G) Grounding
8	Blue (B) Grounding
9	Reserved
10	Sync Grounding
11	Grounding
12	Data (DDC)
13	Horizontal sync.
14	Vertical sync.
15	Clock (DDC)

# Displayable Monitor Specification

640 x 350	31.468	70.09
	37.861	85.08
640 x 400	31.469	70.08
	37.927	85.03
640 x 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
800 x 600	64.062	120.00
	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 x 624	49.725	74.55
852 x 480	31.468	60.05
1024 x 768	48.363	60.00
	56.476	70.06
	60.023	75.02
1280 x 1024	64.000	60.00
1366 x 768	48.387	60.00



## Notes

- **Synchronization input form : separate**
- **852 x 480 : 42" Native Resolution**  
Horizontal Polarity is Positive(+)  
Vertical Polarity is Negative(-)
- **1366 x 768 : 50" Native Resolution**  
Horizontal Polarity is Positive(+)  
Vertical Polarity is Negative(-)
- The PDP operates abnormally if a non-standard video format is selected.
- Depending on the manufacturer, your PC screen might appear differently.(and depending on your particular version of Windows).  
Check your PC instruction book for information about connecting your PC to a PDP.

# Basic Operation

## Turning The Monitor TV On And Off

Press the Power button on the remote control. The PDP will turn on and you will be ready to use it's features. You can also use the Power button on the front of the PDP.

## TV Program Selection

- 1 Connect the signal source to TV input. Press TV/Video button on the remote control and select TV on OSD.
- 2 Use CH+, CH- button or numeric button to change TV program for your program selection.
- 3 You can watch the previous program by pressing P. CH Button on Remote Control.
- 4 Also, you can tune the cable service, provided programs while using the cable box. For further information regarding cable TV service, contact your TV service provider(s).

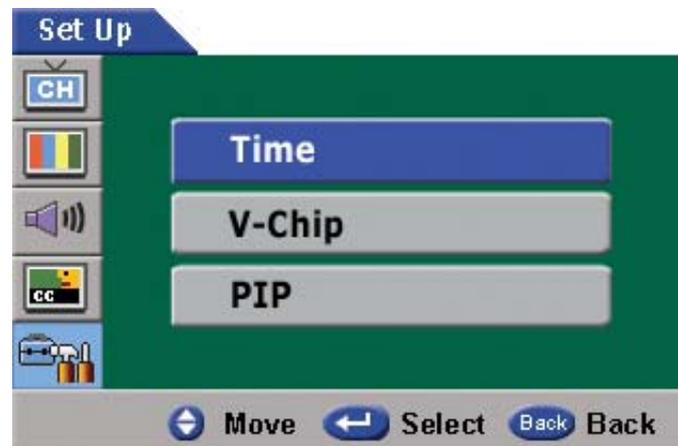
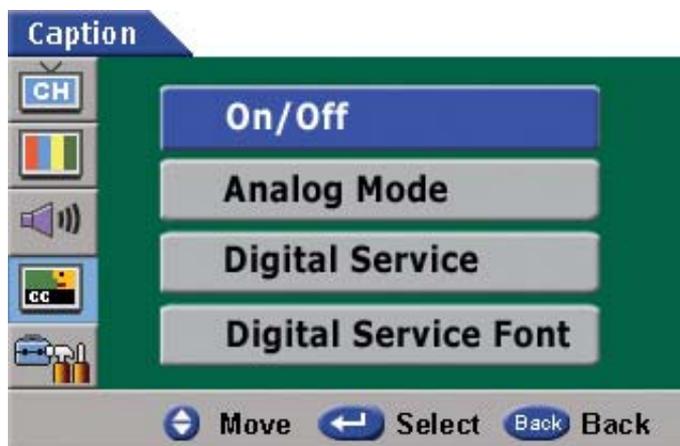
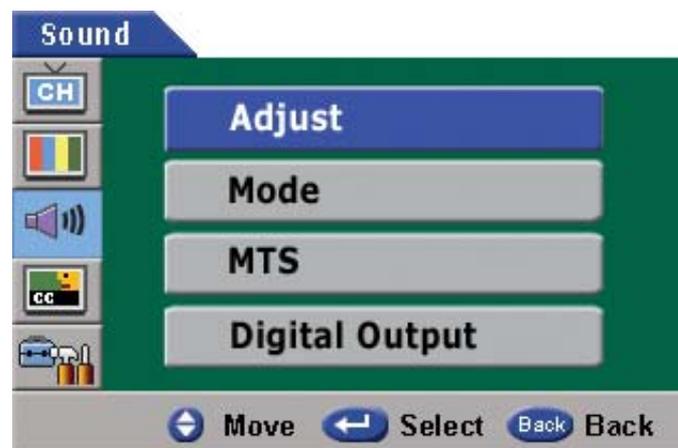
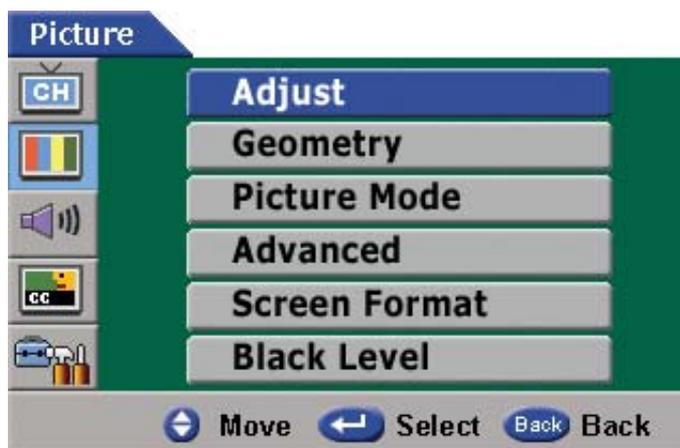
## Volume Control

Use VOL+ / VOL- button  
Press MUTE button on Remote Control.

# OSD Structure

- OSD (On Screen Display) allows users to control or adjust various features and settings in accordance with his/her preferences.
- Press the Menu/Set button on the Remote Control, you may see the OSD.

## e.g.) OSD menu on the video background



# CHANNEL (TV)

## Store TV channels

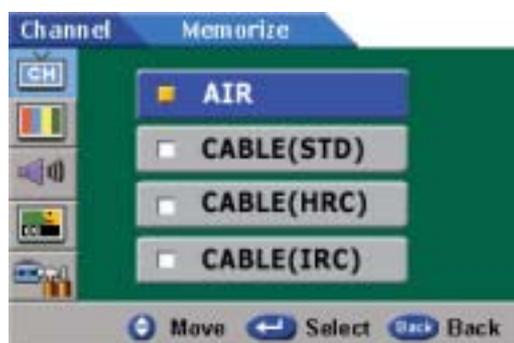
You can now search for and store the TV channels in two different ways : using Auto Memorizing or Manual Memorizing.

### • Auto Memorizing

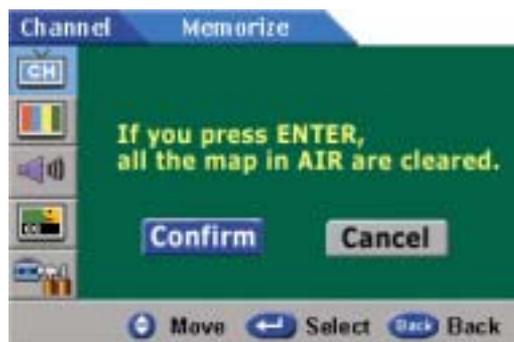
1. Press Menu/set button to display OSD.
2. Press Menu/set button again to get into Channel Menu.
3. Press Auto Memorizing button.



4. Select the Video Signal Source :  
Before your PDP can begin memorizing the available channels, you must specify the type of signal source that is connected to the PDP (If you are not sure, contact your CATV company)



5. Press Menu/set button again to start Auto Memorizing



6. The PDP automatically cycles through all of the available channels and stores them in memory. (Press Back button at any time to interrupt the memorization process. But Channels will be memorized by the time it is cancelled)



STD, HRC and IRC identify various types of cable TV system. Contact your local cable company to identify the type of cable system that exists in your particular area.

# CHANNEL (TV)

## • Adding and Erasing Channels (Manual Method)

1. Use the number buttons to directly select the channel that will be added or erased.
2. Press the CH ADD or CH ERASE button (Remote)
  - you can view any channel (including an erased channel) by using the number buttons on the remote control.



## • Favorite Channel

- You can store of your favorite channels for each available input source (such as TV or CATV). Then, when you press the FAVORITE button on the remote control, the PDP display only the favorite channels you previously stored, allowing you to quickly and easily find frequently wanted channels.

1. Press Menu/set button and press Menu/set button again to get into Channel Menu. Press ▼ button to select Favorite Channel, then press Menu/set button.



2. Select your favorite channel with ▲ or ▼ button.
3. Press Menu/set button to add or delete favorite channels.
4. You can watch you favorite channels by pressing FAVORITE button on the remote control.



Only memorized channels can be set as Favorite Channels.

# CHANNEL (TV)

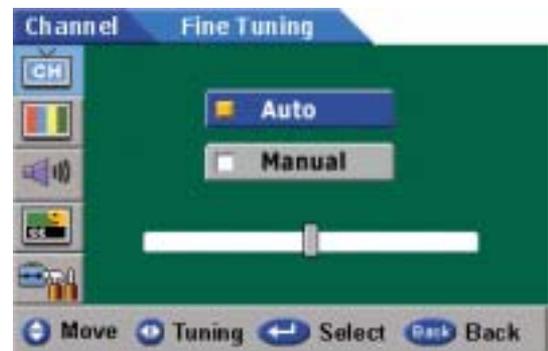
## • Fine Tune Channel (Analog)

- The Fine Tuning function lets you automatically or manually adjust the PDP's tuner if you have difficulty tuning analog Channels.

1. Press Menu/set button and press Menu/set button again to get into Channel Menu. Press ▼ button to select Fine Tune Channel, then press Menu/set button.



2. Press ▲ or ▼ buttons to select Auto or Manual menu.
3. Auto Fine Tuning automatically sets up the fine tuning setting and Manual Fine Tuning sets up Manually by pressing ► or ◀ button to adjust the fine tuning.



## Notes

Only analog TV channels can be fine tuned.

# CHANNEL (TV)

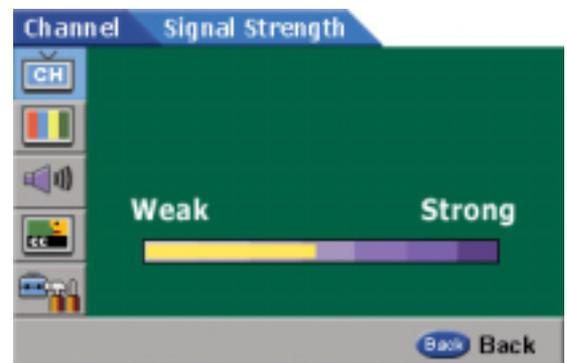
## • Signal Strength

- Unlike analog channels, which can vary in reception quality from “snowy” to “clear”, digital (HDTV) Channels have either perfect reception quality or you will not receive them at all. So, unlike analog channels, you cannot fine tune a digital channel. You can, however, adjust your antenna or cable to improve the reception of available digital channels.

1. Press Menu/set button and press ▼ button to select Signal Strength, then press Menu/set button



2. If the signal Strength Meter indicates that the Signal is weak, physically adjust your antenna or cable to increase the signal strength. Continue to adjust the antenna until you find the best position with the strongest signal.



- This function is not available in the analog channels.
- “No Signal” may appear on the screen depending on the broadcasting station conditions, even though an incoming broadcasting signal exist.

# CHANNEL (TV)



## Notes

### INFO

If you press the "INFO" button on the remote control, you can see the general information about the display.



**CATV 9-1 KBS D-1** 🕒 8:35 pm, Wed Jun 18

**8:00PM-8:45PM**

HD	Multi Language
N/A	N/A
Off	Off
Off	Off
No PIP	5 Hour 30 Minute

	HD/SD		MTS
	Caption service		Rating
	Time on		Time Off
	Sleep Time		Auto Time
	PIP / Double window		Running time of Set Top box

### GUIDE

If you press the "GUIDE" button on the remote control, you can see the information like program schedule and other information about the channel (This function is not available in the analog channels.)



**6-1 SBS DTV** AM 02:36

7/31 Wed

**NEWS**  
AM 02:00 - AM 03:10

AM 02:00	NEWS	
AM 03:10		
AM 03:25		
AM 03:50	Sports	
AM 04:25	Movie	
AM 05:55		
AM 07:00	NEWS 7	
AM 08:10		

more information

**NEWS**  
7/31 Wed. AM 02:00 - AM 03:10

HD	Multi Language
N/A	N/A

No Data.

▶ previous INFO
▼ next INFO
⬅ guide

# PICTURE

Picture Mode is to set up or adjust Picture Adjust, Mode, Video Noise Reduction, Screen Format and Burn Protection.

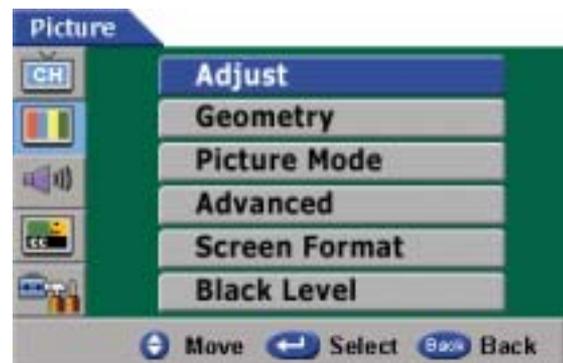
## • Adjust

You can use the OSD menu to change the Contrast, Brightness, Color, Tint and Sharpness according to personal preference.

1. Press Menu/set button
2. Press the ▼ button to select Picture then press the Menu/set button.



3. Press Menu/set button again to get into Adjust menu.



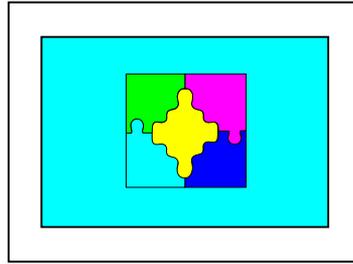
4. Press ▲ or ▼ button to select a particular item then press ► or ◀ button to increase or decrease the value of a particular item.



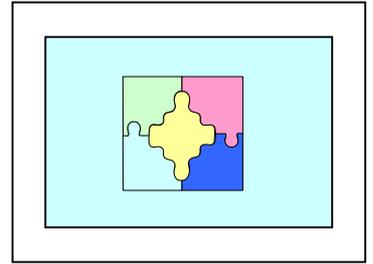
# PICTURE

## • Contrast

Adjust brightness difference between bright part of the screen and dark part.



Distinct ◀



▶ Vague

## • Brightness

Adjust brightness of the screen.



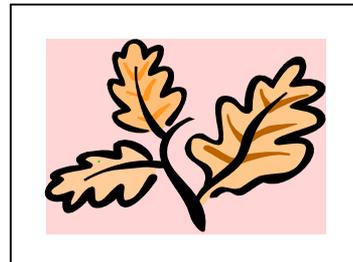
Dark ◀



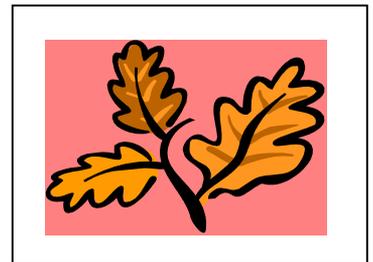
▶ Bright

## • Color

Adjust deep and light color of the screen.



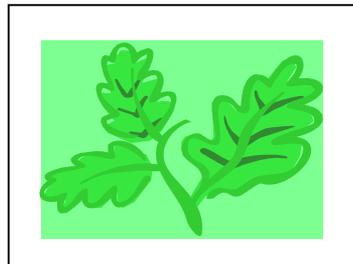
Decrease ◀



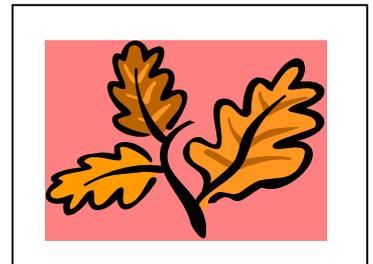
▶ Increase

## • Tint

Adjust balance between green and yellow



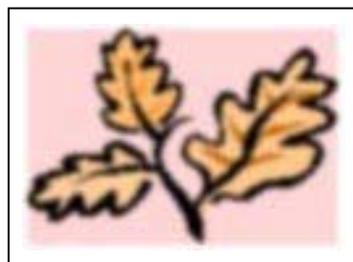
Green color is deeper ◀



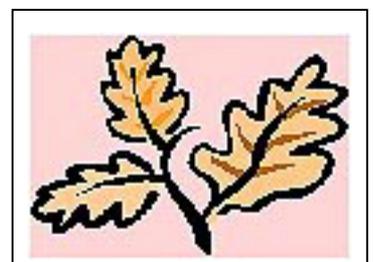
▶ Red color is deeper

## • Sharpness

Adjust vividness of the screen.



Less sharp ◀



▶ Sharp

# PICTURE

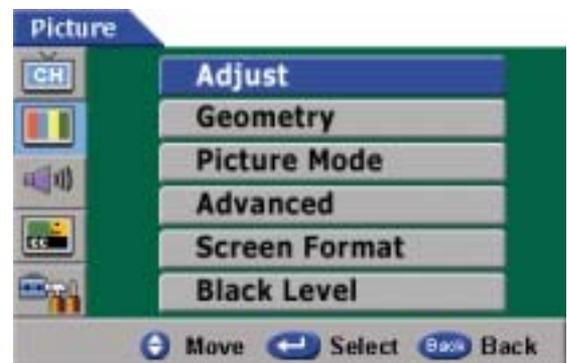
## • Geometry

- This mode is to set up PC screen control.

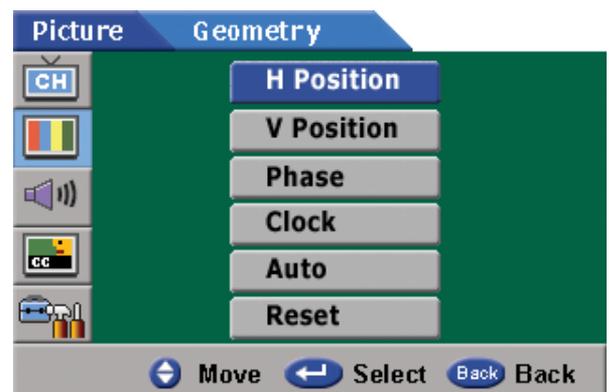
1. Press Menu/set button
2. Press the ▼ button to select Picture, then press Menu/set button



3. Press the ▼ button to select Geometry, then press Menu/set button



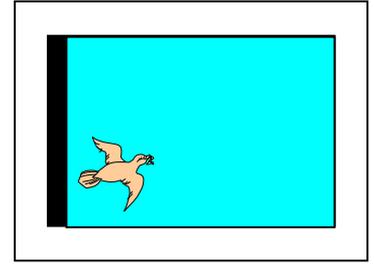
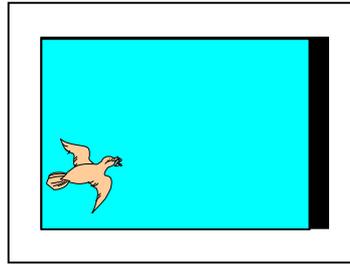
4. Geometry
  - Auto  
to set up the value of "H- position", "V position", "Phase" and "Clock" automatically.
  - Reset  
to reset "H position", "V position", "Phase" and "Clock" to previous value.



# PICTURE

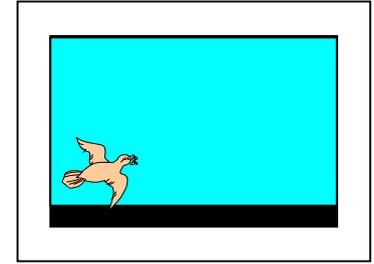
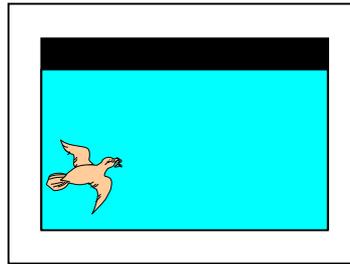
## **H-POSITION**

Press the H-Position button to adjust the horizontal position.



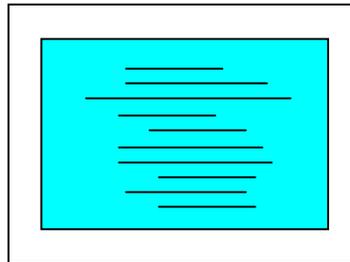
## **V-POSITION**

Press the V-Position button to adjust the vertical position.

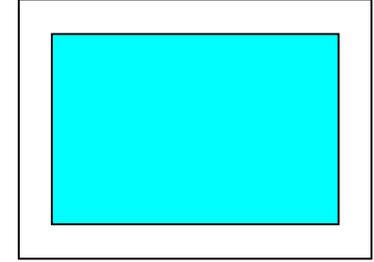


## **PHASE**

Press the Phase button to adjust the phase.



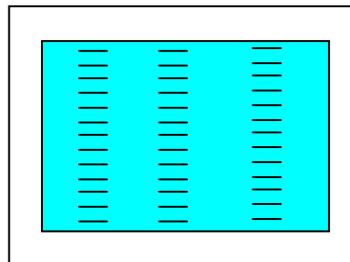
Mismatch



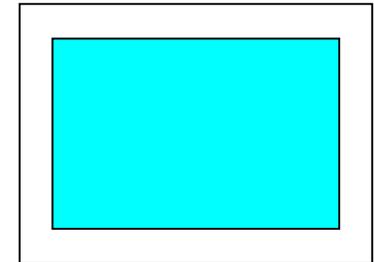
Match

## **CLOCK**

Press the Clock button to adjust the horizontal clock.



Mismatch



Match

# PICTURE

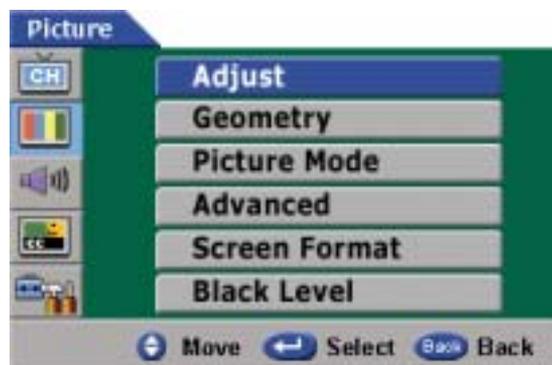
## • Picture Mode

- Your PDP has three automatic picture settings (“Standard”, “Sharp” and “Mild”) that are preset at the factory. You can activate either Standard, Sharp or Mild by pressing “Picture” on the remote control (or by making a selection from the menu). Or you can select “Custom” which automatically recalls your personalized picture settings.

1. Press Menu/set button
2. Press the ▼ button to select Picture then press the Menu/set button.



3. Press the ▼ button to select Picture Mode, then press the Menu/set button.



4. Press the ▲ or ▼ button to select the “Custom”, “Standard”, “Sharp” or “Mild” picture setting then press Menu/set button.



## Notes

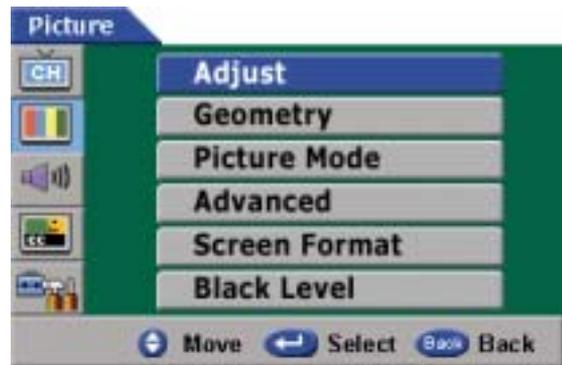
Alternative method : Simply press the “Picture” button on the remote control to select one of the automatic picture settings.

# PICTURE

## • Video NR

- This function automatically filters out and reduces the image noise and improves picture quality where receiving weak signals.

1. Press Menu/set button
2. Press the ▼ button to select Picture then press the Menu/set button.
3. Press the ▼ button to select Advanced, then press the Menu/set button.



4. Press the ▼ button to select Video NR, then press the Menu/set button.



5. Press the ▲ or ▼ button to choose On or Off, then press Menu/set button.



## Notes

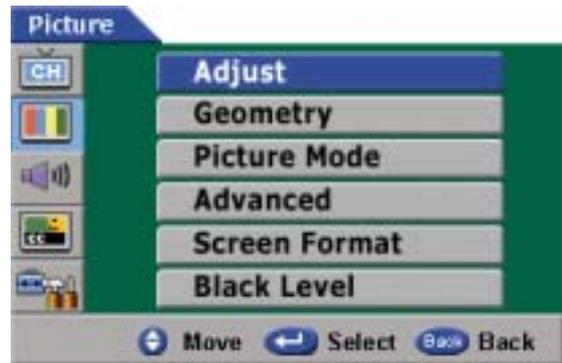
This function is not available in the digital channels.

# PICTURE

## • Burn Protect

- You can protect your screen from a static image by Burn Protect function.

1. Press Menu/set button
2. Press the ▼ button to select Picture then press the Menu/set button.
3. Press the ▼ button to select Advance, then press the Menu/set button.



4. Press the ▼ button to select Burn Protect, then press the Menu/set button.



4. Press the ▲ or ▼ button to choose On or Off, then press Menu/set button.



- Burn protection is to avoid displaying the same image long time.
- To avoid displaying a static image long time, image moves horizontally 1 pixel per minute. A pixel moves to left 4 points first and return, then moves to right 4 points. After 16 minutes, burn protection moving is complete and the pixel return to its original position. The moving is repeated until PDP set be power-off.

# PICTURE

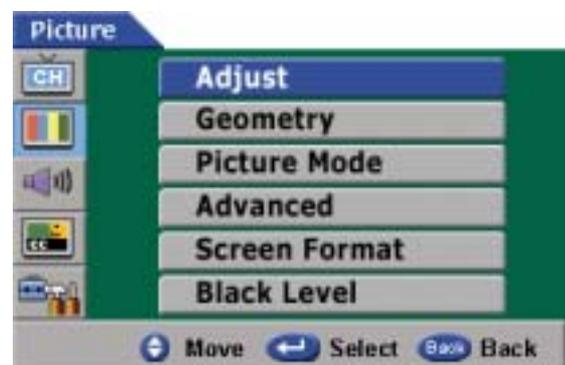
## • Screen Format

- Your PDP has four Screen Formats (“Pillar”, “Full”, “Zoom1” and “Zoom2”)

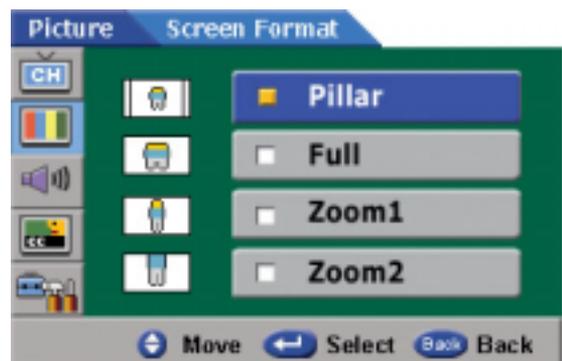
1. Press Menu/set button
2. Press the ▼ button to select Picture then press the Menu/set button.



3. Press the ▼ button to select Screen Format, then press the Menu/set button.



4. Press the ▲ or ▼ button to select the “Pillar”, “Full”, “Zoom1” or “Zoom2”, then press Menu/set button.



## Notes

- Pillar  
Pillar box shows 4:3 image on 16:9 screen with left and right side appearing in black color.
- Full  
Full expands 4:3 images horizontally and shows it on 16:9 screen.  
In this case, image looks wider than actual image.
- Zoom1  
Zoom1 expands 4:3 image vertically and shows it on 16:9 screen.  
Top and bottom part of image does not appear on the screen.
- Zoom2  
Zoom2 expands 4:3 image vertically and horizontally in uniform and shows it on 16:9 screen.

- In the digital channels, only ‘pillar’ and ‘full’ are available.

# PICTURE

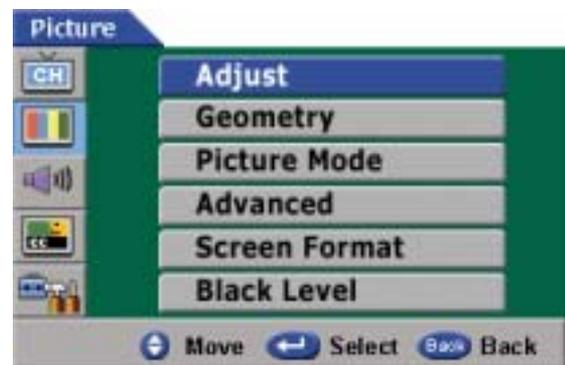
## • Black Level

- This function improves the quality of dark images.

1. Press Menu/set button
2. Press the ▼ button to select Picture then press the Menu/set button.



3. Press the ▼ button to select Black Level, then press the Menu/set button.



4. Press the ▲ or ▼ button to select the "Standard", "Level1", "Level2" or "Level3", then press Menu/set button.



## Notes

- Standard(default value) : Shows the best image in dark areas.
- When the level changes from 1 to 3, the screen lights up. And the dark area looks better.

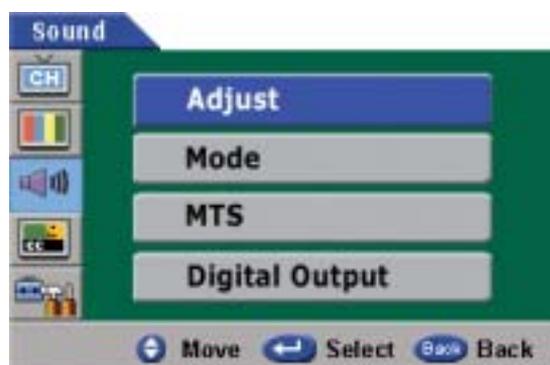
# SOUND

Sound Mode is to set up sound level you prefer, to adjust the custom sound and set the mode, to select multi-track sound both analog broadcasting and digital broadcasting, and digital output.

## •Adjust

You can use the OSD menu to change the Treble, Bass, Balance and DRC according to your preference.

1. Press Menu/set button
2. Press the ▼ button to select Sound, then press Menu/set button
3. Press Menu/set button again to get into Adjust menu.
4. Press the ▲ or ▼ button to select a particular item then press the ► or ◀ button to increase or decrease the value of a particular item.



- Treble  
This function is to adjust the loud sound in sound signal.  
Adjust range is from 0 to 100.
- Bass  
This function is to adjust the low sound in sound signal.  
Adjust range is from 0 to 100.
- Balance  
This function is to adjust the sound strength left and right speaker.  
Adjust range is from 0 to 100.
- DRC (Dynamic Range Compression)  
This function is to set up optimum volume automatically according to program (news, music, movie, etc.). Press "On" to activate DRC. If not, press "Off".

# SOUND

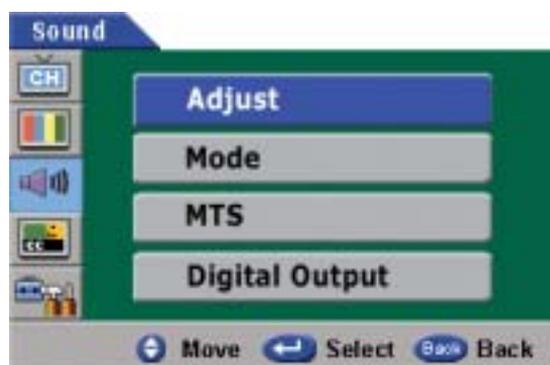
## • Mode

- Your PDP has four automatic sound settings (“Standard”, “Music”, “Movie” and “Speech”) that are preset at the factory. You can activate either Standard, Music, Movie or Speech by pressing “SOUND” on the remote control (or by making a selection from the menu) or you can select “Custom” which automatically recalls your personalized sound settings.

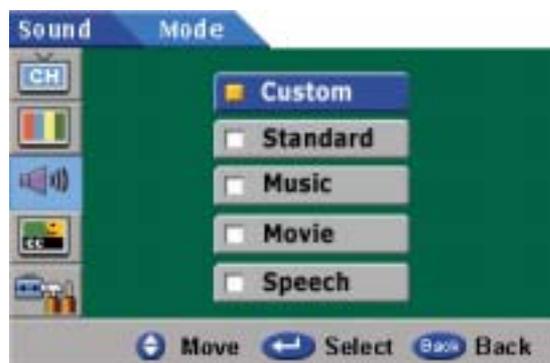
1. Press Menu/set button
2. Press the ▼ button to select Sound, then press Menu/set button



3. Press the ▼ button to select Mode, then press the Menu/set button.



4. Press the ▲ or ▼ button to select the “Custom”, “Standard”, “Music”, “Movie” or “Speech” then press the Menu/set button.



# SOUND

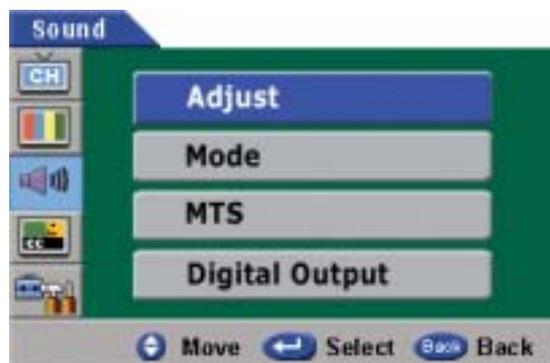
## • MTS

- Select sound signal from analog broadcasting and digital broadcasting.  
In analog broadcasting, mono, stereo and SAP are available.  
In digital broadcasting, English, Spanish and French are available.

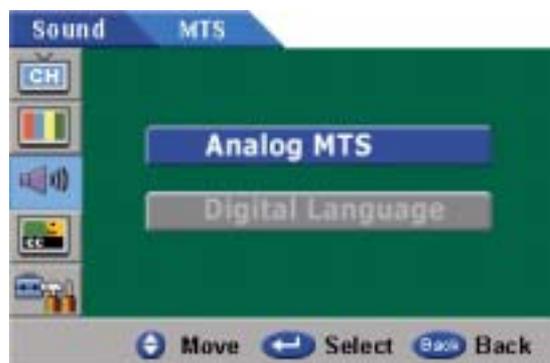
1. Press Menu/set button
2. Press the ▼ button to select Sound, then press Menu/set button



3. Press the ▼ button to select MTS, then press the Menu/set button.



4. Press the ▲ or ▼ button to select "Analog MTS" or "Digital Language".



### - Analog MTS

Select sound signal from analog broadcasting and digital broadcasting. In analog broadcasting, mono, stereo and SAP are available.

### - Digital Audio Language

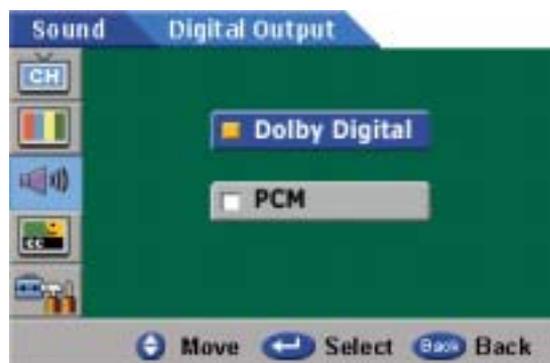
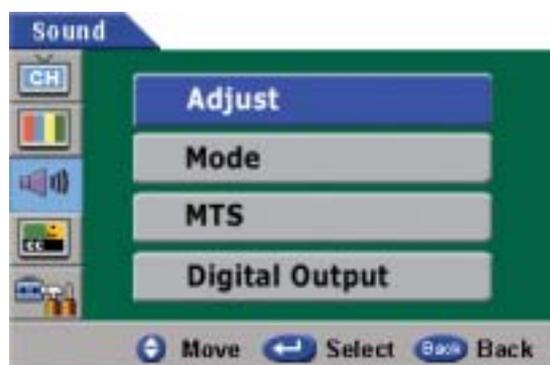
Select sound signal (language) from digital broadcasting. Available languages are English, Spanish and French.

# SOUND

## • Digital Output

- In digital broadcasting, when Dolby digital is selected, viewer can listen to 5.1 channel audio sound connected to digital audio amp on external side.

1. Press Menu/set button
2. Press the ▼ button to select Sound, then press Menu/set button
3. Press the ▼ button to select Digital Output, then press the Menu/set button.
4. Press the ▲ or ▼ button to select "Dolby Digital" or "PCM".



- Dolby digital is selected  
You can listen to 5.1 channel audio sound connected to digital audio amp on external side.
- PCM is selected  
Existing analog audio signal is converted to digital audio signal, offering improved sound.

• In analog broadcasting, only PCM is activated.

# CAPTION

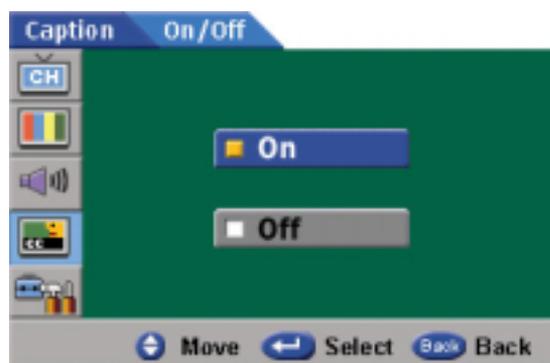
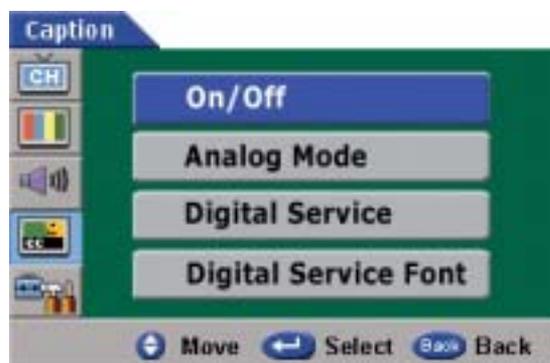
Your PDP provides caption function.

In the digital channels, caption font tuning is available.

## • On/Off

---

1. Press Menu/set button
2. Press the ▼ button to select Caption, then press Menu/set button
3. Press Menu/set button again to select On/Off.
4. Press the ▲ or ▼ button to choose On or Off, then press Menu/set button.



# CAPTION

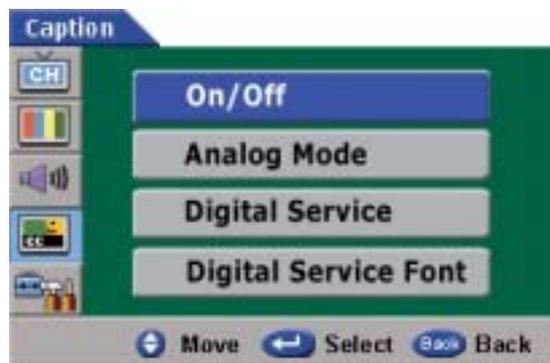
## • Analog Mode

- Analog Mode is available in the analog channels and external input.

1. Press Menu/set button
2. Press the ▼ button to select Caption, then press Menu/set button



3. Press the ▼ button to select Analog Mode, then press Menu/set button



4. Press the ▲ or ▼ button to select among "CC1", "CC2", "CC3" or "CC4"



## Notes

- The caption feature does not work in the digital channels.
- The availability of caption depends on the program being broadcasted.

# CAPTION

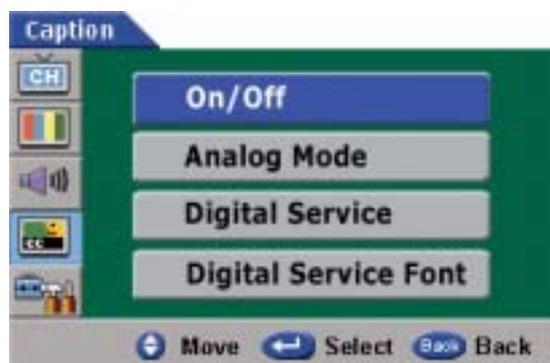
## • Digital Service

- Digital Service is not available in the analog channels.

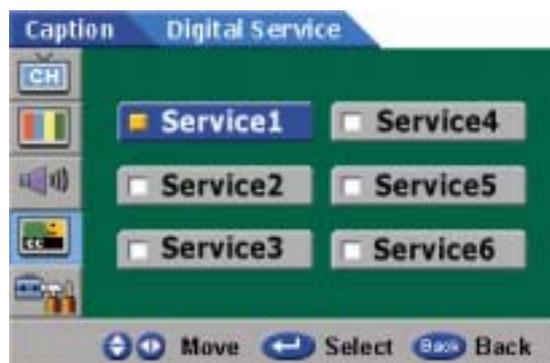
1. Press Menu/set button
2. Press the ▼ button to select Caption, then press Menu/set button



3. Press the ▼ button to select Digital Service, then press Menu/set button



4. Press the ▲ or ▼ button to select among Service 1~Service 6.



## Notes

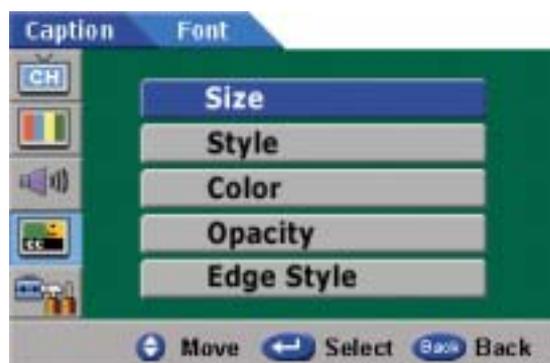
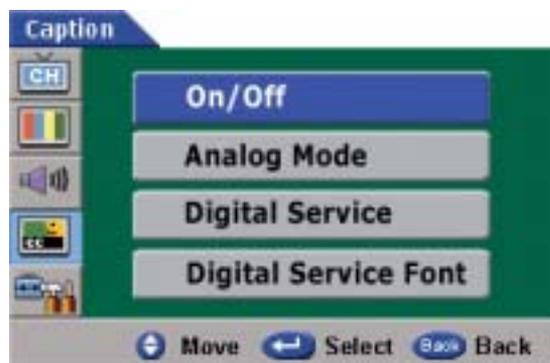
- The option consists of Service 1 ~ Service 6. The default is Service 1. Either the reading level or the language may change depending on the service option.

# CAPTION

## • Digital Service Font

- Your PDP provides various kind of Caption Font in the Digital Channels. You can select your favorite size, style, color, opacity and edge style.

1. Press Menu/set button
2. Press the ▼ button to select Caption, then press Menu/set button
3. Press the ▼ button to select Digital Service Font, then press Menu/set button
4. Press the ▲ or ▼ button to select a particular item then press the ▲ or ▼ button to select a particular item.



- This function is not selected in the analog channels.

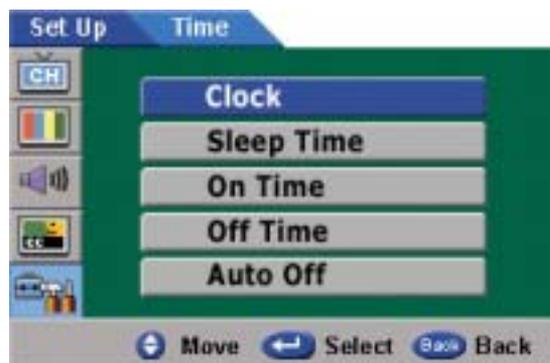
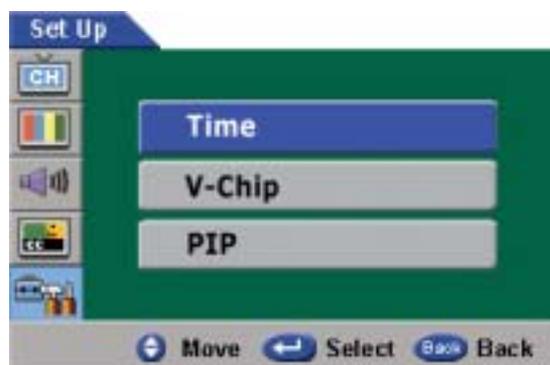
# SET UP

Set up mode is to set up all options related to time, PIN change, rating set up, PIN size and position

## • Time

- In the time mode, you can set up clock, sleep time, on time, off time and auto off.

1. Press Menu/set button
2. Press the ▼ button to select Set up, then press Menu/set button
3. Press Menu/set button again to get into Time mode.
4. Press the ▼ or ▼ button to select a particular item then press Menu/set button



## 1. Clock

### - Daylight Saving

Press "Yes" to activate daylight saving. If not, press "No". When daylight saving information from the broadcast signal is set to on and daylight saving flag is also set to on, it does work daylight saving practically.

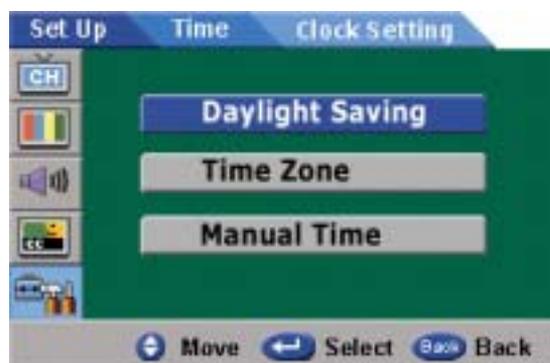
### - Time Zone

Select time zone where the user live.

### - Manual Time Setting

You can set up time manually.

( When auto set up time is wrong or user wants to set up time, user set up present time manually)



- "Manual" Time does not work in case of receiving time data automatically.

# SET UP

## 2. Sleep Time

You can set your PDP to automatically turn off after a preset interval.

If you turn off the PDP TV in the state of setting up sleep time and turn on again, sleep time erased therefore set up again.



## 3. On Time

This PDP can be set to turn on automatically at specific time that you choose.

Before using the timer, you must set the PDP's clock as described previously.



## 4. Off Time

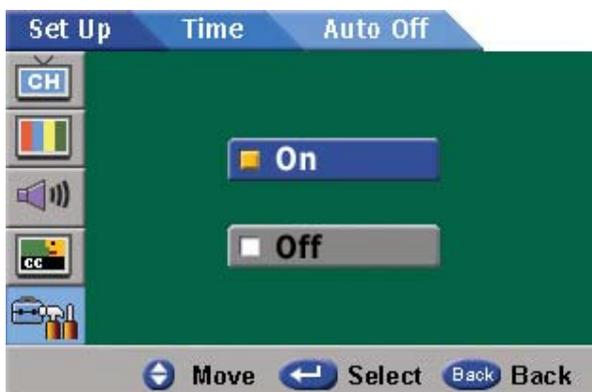
This PDP can be set to turn off automatically at specific times that you choose.

Before using the timer, you must set the PDP's clock as described previously.



## 5. Auto Off

If you select "On", the PDP TV turned off automatically if the signal does not exist.

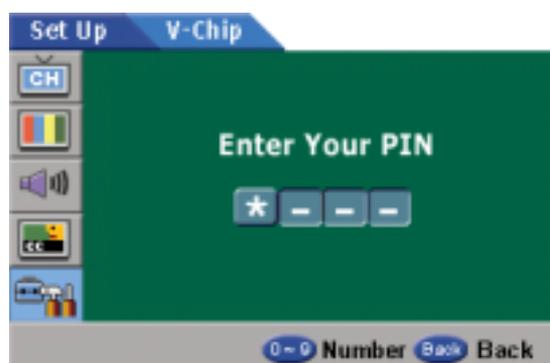
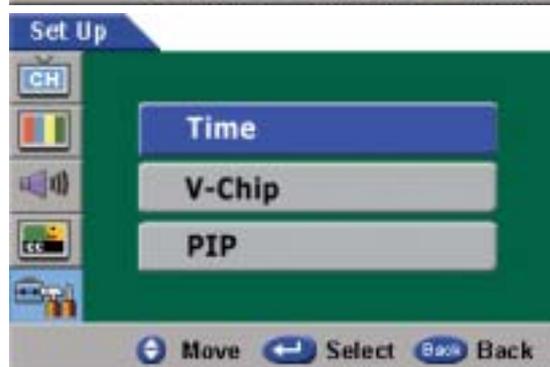


# SET UP

## • V-Chip

- Access to channels and programs is controlled by a password (I.g. A 4-digit secret code that is defined by the user)

1. Press Menu/set button
2. Press the ▼ button to select Set up, then press Menu/set button
3. Press the ▼ button to select V-Chip, then press Menu/set button
4. When PIN (Personal Identification Number) entered correctly, it provides authority for PIN change and V-Chip settings up. PIN consists of 4 digits. Initial default value is "0000". If entered PIN is not correct, Enter the exact PIN again in order to change PIN and set up the V-Chip.
5. **Changing PIN :**  
You can change PIN. And enter the new PIN number and confirm the PIN
6. **V-Chip Setting :**  
You can independently lock the TV ratings. The locked TV ratings are indicated by the symbol  press the ▲/▼/▶/◀ buttons and Menu/set button to activate the appropriate restrictions for TV V-Chip system  
MPAA V-Chip is based on age.  
TV-PG V-Chip is based on both age and content.



# SET UP

## • PIP

- You can set up PIP size and position

1. Press Menu/set button
2. Press the ▼ button to select Set up, then press Menu/set button

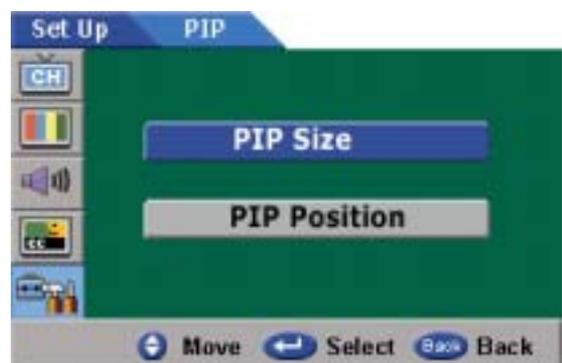


3. Press the ▼ button to select PIP, then press Menu/set button



4. PIP Size :  
You can choose one of the PIP size  
( small, standard or large)

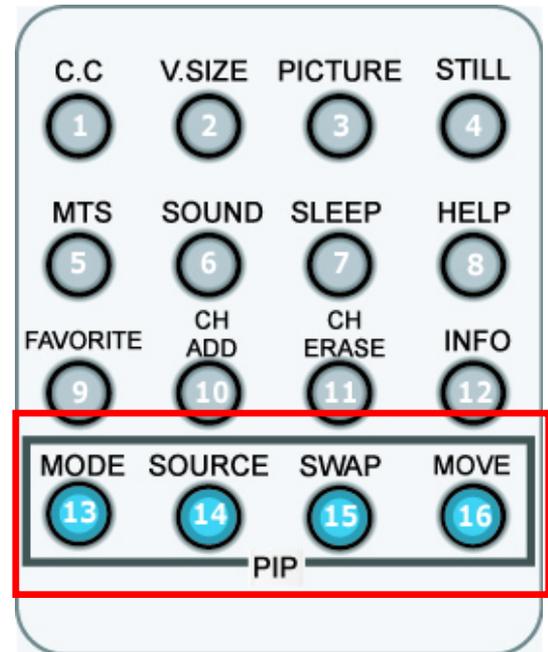
PIP Position :  
You can choose the PIP position  
(lower right, upper right, upper left  
or lower left.)



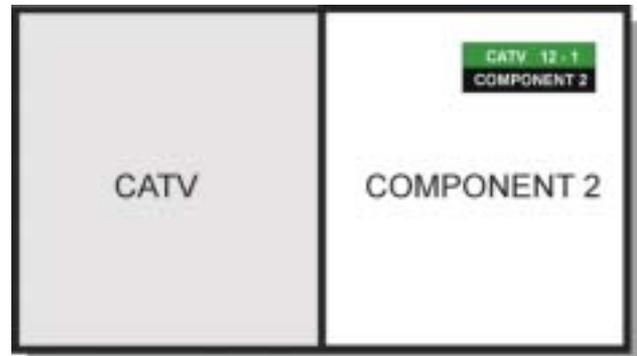
# Viewing the Picture-in-Picture

## • PIP on/off

1. PIP On :  
Press the MODE button on your remote.
2. PIP MODE :  
PIP function has two modes. If you press MODE button one time, the PIP mode goes to window mode. And you press the MODE button twice, the PIP mode goes to double screen mode.
3. PIP Off :  
If you press MODE button one more time, the PIP function ends.



PIP – Window Mode



PIP – Double Screen Mode

## • PIP Source Select

1. PIP Source Change :  
Press SOURCE button to change the PIP screen source. Main screen source does not change.



PIP Source : PC

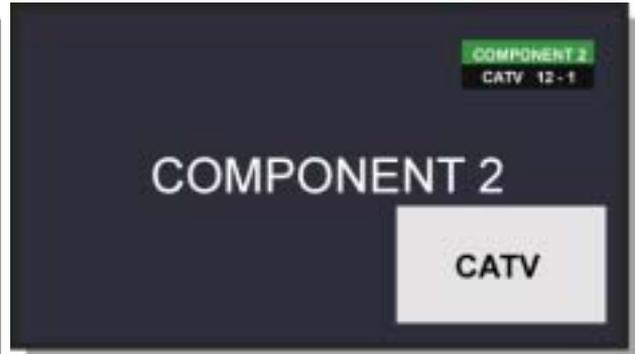
# Viewing the Picture-in-Picture

## • PIP Swap

1. PIP Swap :  
Press the SWAP button to switch between the Main Screen and PIP Screen.



PIP Swap - before



PIP Swap - after

## PIP Settings

O : PIP and Swap Operate  
X : PIP doesn't Operate

Main Screen \ PIP Screen	TV	AV1	S-Video	AV2	Component1	Component2	PC	DVI
TV	x	x	x	x	x	o	o	o
AV1	x	x	x	x	x	o	o	o
S-Video	x	x	x	x	x	o	o	o
AV2	x	x	x	x	x	o	o	o
Component1	x	x	x	x	x	o	o	o
Component2	o	o	o	o	o	x	x	x
PC	o	o	o	o	o	x	x	x
DVI	o	o	o	o	o	x	x	x

## • PIP Position (MOVE)

1. Quick way to control the PIP position :  
Just toggle MOVE button on your remote.

Selective PIP positions are  
lower right, upper right, upper left or lower left.



PIP Source : PC

# Specification

42" Plasma TV Display Panel	50" Plasma TV Display Panel
<b>Function and Specification</b>	<b>Function and Specification</b>
42-inch diagonal screen	50-inch diagonal screen
Variable 4:3 / 16:9 image aspect ratios (4 modes)	Variable 4:3 / 16:9 image aspect ratios (4 modes)
852 x 480 physical pixels	1366 x 768 physical pixels
1000:1 contrast ratio	900:1 contrast ratio
Brightness:700cd/m2	Brightness:800cd/m2
PC monitor support up to 1280 x 1024 60hz	PC monitor support up to 1280 x 1024 60hz
181-Program Cable-Ready TV tuner (ATSC/NTSC)	181-Program Cable-Ready TV tuner (ATSC/NTSC)
Advanced multi-window viewing	Advanced multi-window viewing
Picture-In Picture(PIP) with four selectable window positions on PC mode	Picture-In Picture(PIP) with four selectable window positions on PC mode
Multiple input compatible	Multiple input compatible
Advanced Motion digital processor	Advanced Motion digital processor
Motion-Adaptive Deinterlace Processor	Motion-Adaptive Deinterlace Processor
Digital progressive line scaling	Digital progressive line scaling
3:2 Pull-Down for Film Scan Conversion	3:2 Pull-Down for Film Scan Conversion
Digital 3D comb filter (NTSC)	Digital 3D comb filter (NTSC)
Closed Caption decoding (NTSC)	Closed Caption decoding (NTSC)
Favorite channel programming	Favorite channel programming
Program lock/V-chip (NTSC)	Program lock/V-chip (NTSC)
High Definition Component Video inputs: 480 i/p, 720p, 1080i	High Definition Component Video inputs: 480 i/p, 720p, 1080i
Automatic frequency detection	Automatic frequency detection
Selectable color temp. settings:Warm, Cool, User	Selectable color temp. settings:Warm, Cool, User
<b>Miscellaneous</b>	<b>Miscellaneous</b>
Quiet fanless operation	Quiet fanless operation
Input phase clock adjustment	Input phase clock adjustment

# Specification

42" Plasma TV Display Panel	50" Plasma TV Display Panel
<b>Connectivity:</b>	<b>Connectivity:</b>
Composite:RCA-pin x 2,	Composite:RCA-pin x 2 ,
Component video signal : YPbPr x 2	Component video signal : YPbPr x 2
S-video : Mini DIN 4-pin x 1	S-video : Mini DIN 4-pin x 1
RGB input : D-sub 15-pin x 1(480i/p, 720p, 1080i)	RGB input : D-sub 15-pin x 1(480i/p, 720p, 1080i)
Audio input : RCA-pin Type(L/R) x 5:Full support separated audio input	Audio input : RCA-pin Type(L/R) x 5:Full support separated audio input
Speaker output : Cinch Conn Type(L/R) x 1(4cinch connectors type)	Speaker output : Cinch Conn Type(L/R) x 1(4cinch connectors type)
Audio system : Stereo	Audio system : Stereo
Control Ports : RS-232 D-sub 9-pin x 1	Control Ports : RS-232 D-sub 9-pin x 1
DVI input : DVI Cable	DVI input : DVI Cable
<b>Accessories</b>	<b>Accessories</b>
Full function remote control	Full function remote control
Table stand / Optional	Table stand / Optional
Side-mount Speakers / Optional	Side-mount Speakers / Optional
<b>Dimensions : (W x H x D)                      unit : mm</b>	<b>Dimensions : (W x H x D)                      unit : mm</b>
1046 x 635 x 87 (Main only)	1216 x 732 x 88 (Main only)
1046 x 702 x 299 (With stand, without Speaker)	1216 x 798 x 299 (With stand, without Speaker)
1246 x 702 x 299 (With stand and speaker)	1416 x 798 x 299 (With stand and speaker)
<b>Weight:</b>	<b>Weight:</b>
38kg (Main only)	52kg (Main only)
41kg (With stand, without Speaker)	55kg (With stand, without Speaker)
41.5kg (With stand and Speaker)	55.5kg (With stand and Speaker)
<b>Working Environment</b>	<b>Working Environment</b>
Power : AC 110~240V, 50/60Hz	Power : AC 110~240V, 50/60Hz
Power Consumption : 380 Watts	Power Consumption : 540 Watts
<b>Temperature</b>	<b>Temperature</b>
Operation : 0oC ~ 35oC(32oF ~ 90oF)	Operation : 0oC ~ 35oC(32oF ~ 90oF)
Storage : -15oC ~ 60oC(5oF ~ 140oF)	Storage : -15oC ~ 60oC(5oF ~ 140oF)
<b>Humidity</b>	<b>Humidity</b>
Operation : 20~70%	Operation : 20~70%
Storage : 20~80%	Storage : 20~80%
<b>Pressure</b>	<b>Pressure</b>
Operation : 800~1114hPa	Operation : 800~1114hPa
Storage : 600~1114hPa	Storage : 600~1114hPa

# Troubleshooting

Before you call a service technician, please scan this list of problems and possible solutions. It may save you time and money.

Problem	Quick Action for Possible Solution
No picture & No sound	<p><b>Check whether the Monitor is turned on.</b></p> <p>Power cord inserted into wall outlet?            Plug another product's power cord into the wall outlet where the Monitor's power cord was plugged in.</p>
Picture OK & No sound	<p>Press the VOLUME( ► ) button.            Check the audio input signal.</p>
The remote control doesn't work	<p>Check to see if there is any object between the Plasma Display and the remote control causing obstruction.            Check to see if the batteries are installed with the correct polarities.</p>
Digital broadcasting screen problem	<p>Check the digital signal strength and input antenna.</p>
No or Poor color or Poor picture	<p>Select Color in the Picture and press VOLUME( ► ) button.            Keep a certain distance between the Monitor and the VCR.            Activate any function to restore the brightness of the picture.            Check to see that both the monitor and the source are plugged in and turned on.</p>
The image is too light or too dark	<p>Adjust the Brightness or Contrast settings.</p>
The image is too large or too small	<p>Adjust the Size settings.</p>
No output from one of the speakers	<p>Adjust Balance in the Sound Menu.</p>
Strange sound form the Monitor	<p>Typical sound due to normal Monitor operation, Monitor is not faulty.</p>

# Warranty Card

## **1-Year Limited Warranty**

**Warranty Service is only available in the country of original purchase. This is an important document. Attach your bill of sale to this card and keep it in a safe place. Your bill of sale is your warranty.**

Our warranty remains in effect for one year from the date of the first consumer purchase.

## **WHO IS PROTECTED BY THIS WARRANTY**

Our warranty protects the original owner and all subsequent owners, provided that our product was purchased from an authorized dealer  
A copy of the original dated bill of sale must be presented whenever warranty service is required.

## **WHAT IS COVERED BY THIS WARRANTY**

Except as specified below, the warranty covers all defects in material and workmanship. The following are not covered: damage caused by accident, misuse, abuse, product modification or neglect; damage occurring during shipment; damage from failure to follow instructions contained in the instruction manual; damage resulting from the performance of repairs by someone not authorized by us; damage by natural disaster such as lightening, flood etc.; damage caused by installation of parts that do not conform to the specification; units used for other than home and office use; units not used for their intended purpose; any claims based on misrepresentations by the seller; products sold on an “as-is” or final sales basis; or the cost of installing, removing, or reinstalling the unit. Our liability is limited to the repair or replacement, at our option, if any defective product and shall not include incidental or consequential damages. We reserve the right to replace a discontinued model. Any replacement units or parts may be new or rebuilt.

## **TO OBTAIN WARRANTY SERVICE**

**If you require warranty service, please return the product to your dealer.**