helios

Plasma TV
OWNER'S MANUAL

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 S2 Technologies, LLC

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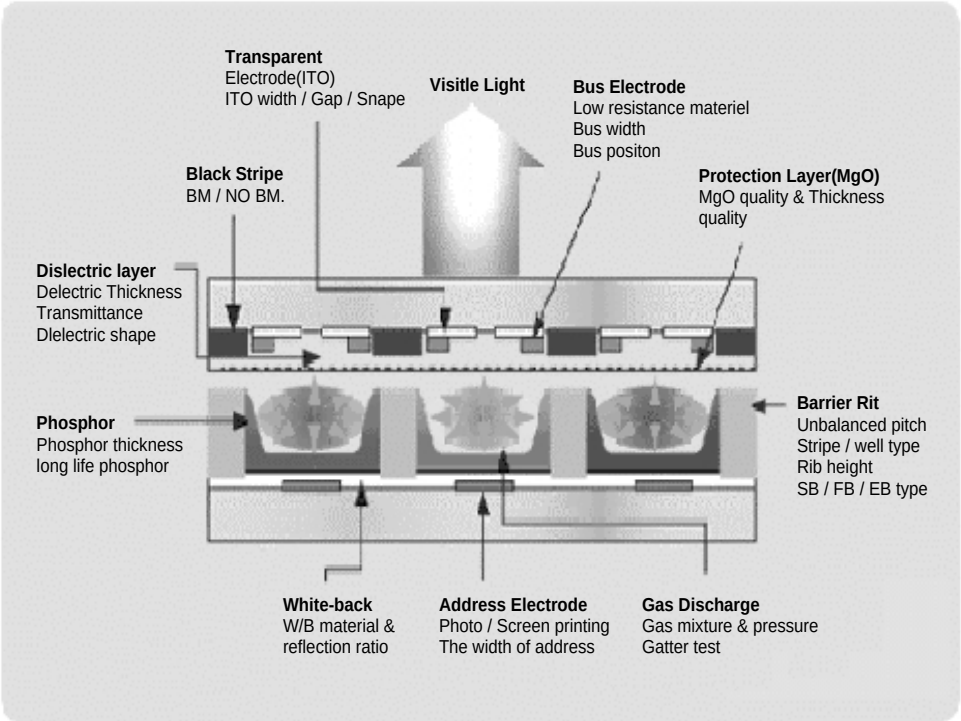
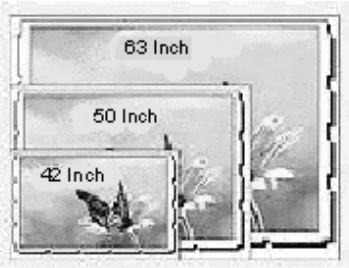
What Is A Plasma Display Panel?

Plasma Monitor is the most advanced display solution for digital A/V integration used for Information Displays, Conference System as well as Home Theater. In the plasma image producing system, gas is confined in a 0.1mm-width space between two glass substrates with transparent electrodes. When voltage is applied between the electrode pairs, it causes an emission of ultraviolet light. This light reacts with RGB phosphors to produce multiple colors that are displayed as the final image. Plasma is an array of cells, known as pixels, which are composed of three sub-pixels, corresponding to the colors red, green and blue. Gas in a plasma state is used to react with phosphors in each sub-pixel to produce colored light (red, green or blue). Each sub-pixel is individually controlled by advanced electronics to produce over 16 million different colors. This means that you get perfect, easily viewable images in a display that is 3.3 inches thin.



What Are The Advantages Of Plasma?



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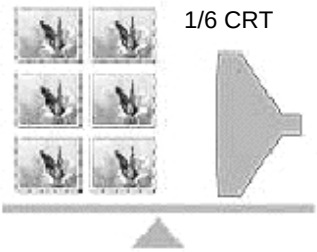
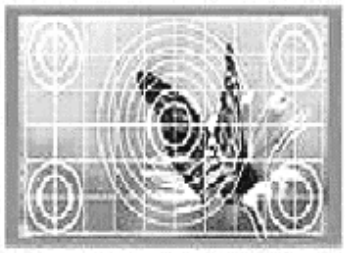
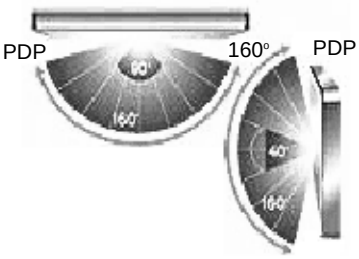


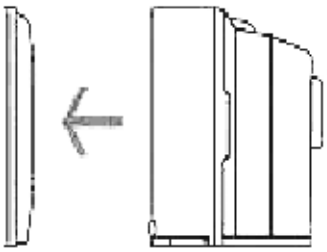
<Light Weight>



<Good Uniformity>



<Wide View Angle>



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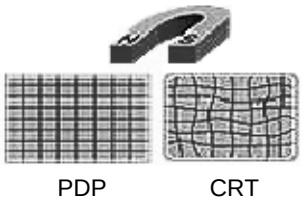

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Important Safety Information

WARNING	HIGH VOLTAGE
	RISK OF ELECTRIC SHOCK DO NOT OPEN.

CAUTION

- TO PREVENT DAMAGE WHICH MAY RESULTIN FIRE OR SHOCK HAZARD.
- DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
- SHOCK HAZARD DO NOT OPEN.

WARNING

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

WARNING

To reduce the risk of fire and electrics shock, do not expose this product to rain or moisture.

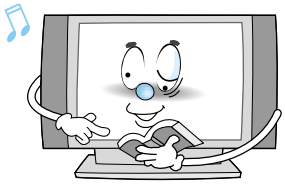
FCC NOTICE

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 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 :

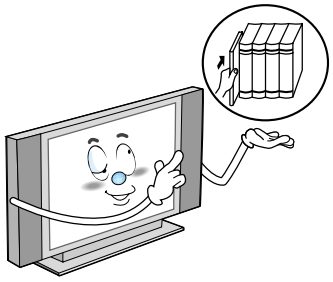
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Connecting of peripherals requires the use of grounded shielded signal cables.

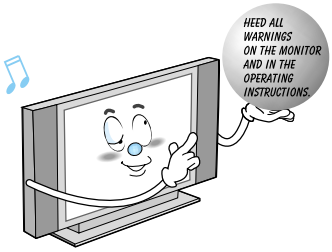
Always be careful when using your Monitor. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your machine.



Read all safety and operating instructions before operating your Monitor.

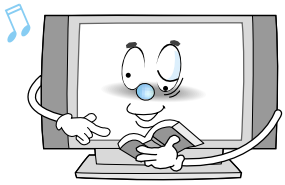


Keep the safety and operating instructions for future reference.

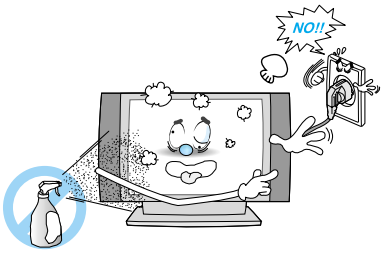


Heed all warnings on the Monitor and in the operating instructions.

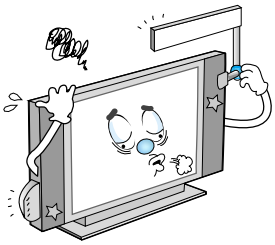
Important Safety Information



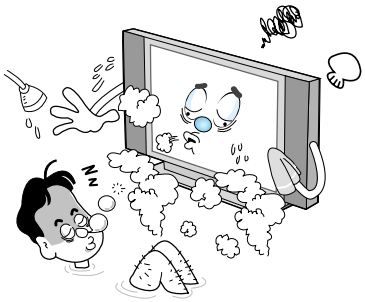
Follow all operating and use instructions.



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

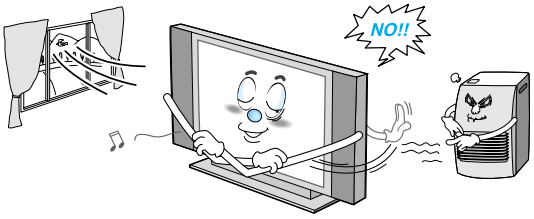


Never add any attachments and/or equipment without approval of the manufacturer. Such additions can increase the risk of fire, electric shock, or other personal injury.

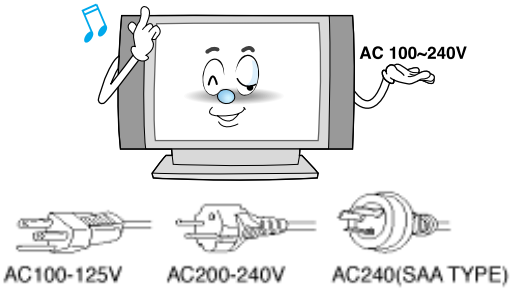


Do not use the Monitor where contact with or immersion in water is a possibility, such as near bath tubs, sinks, washing machines, swimming pools, etc.

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. Follow the manufacturer's manufacturer or sold with the Monitor. Follow the manufacturer's recommended by the manufacturer. 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.

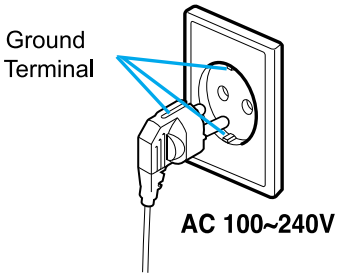


Provide ventilation for the Monitor. The unit is designed with slots in the cabinet for ventilation to protect it from overheating. Do not block these openings with any object, and do not place the Monitor on a bed, sofa, rug, or other similar surface. Do not place it near a radiator or heat register. 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.

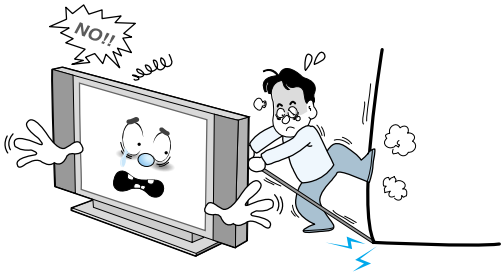


Use only the accessory cord designed for this product to prevent shock. The power supply voltage rating of this product is AC100-240V, the power cord attached conforms to the following power supply voltage. Use only the power cord designated by our dealer to ensure Safety and EMC. When it is used by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

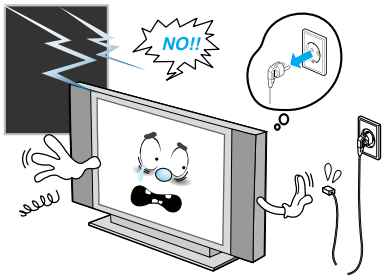
Important Safety Information



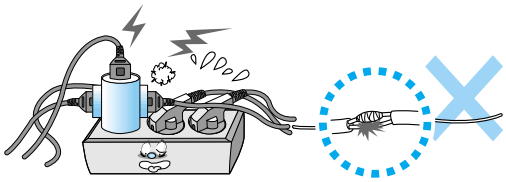
Use only a grounded or polarized outlet. For your safety, this Monitor is equipped with a polarized alternating current line plug having one blade wider than the other. This plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the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



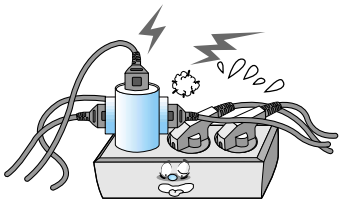
Avoid overhead power lines. An outside antenna system should not be placed in the vicinity of overhead power lines or other electric light or power circuits or where it can fall into such power lines or circuits. When installing an outside antenna system, be extremely careful to keep from touching the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



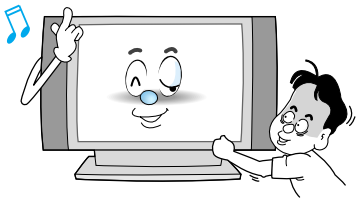
Unplug the Monitor from the wall outlet and disconnect the antenna or cable system during a lightning storm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-line surges.



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.



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



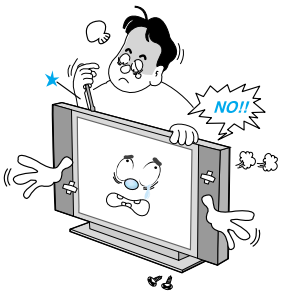
Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts. Never spill liquid of any kind on the Monitor.

Important Safety Information

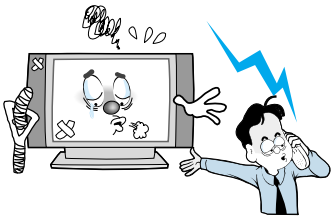
Ground outdoor antennas. If an outside antenna or cable system is connected to the Monitor, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984, provides 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 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:

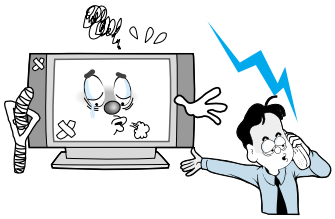
- when the power-supply cord or plug is damaged
- if liquid has been spilled on the unit or if objects have fallen into the unit
- if the Monitor has been exposed to rain or water
- if the Monitor does not operate normally by following the operating instructions
- if the Monitor has been dropped or the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



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.

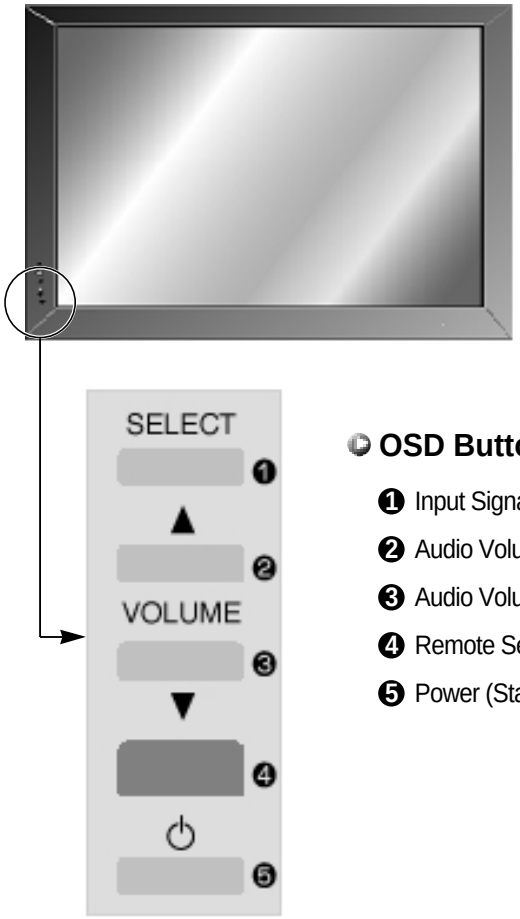


When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in additional damage to the unit.

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 Remote Sensor & Power Indicator

❺ Power (Stand By)

OSD Key Function

SELECT

Select the signal source from multiple input source such as TV, AV1, AV2, S-Video, Component and Analog RGB.

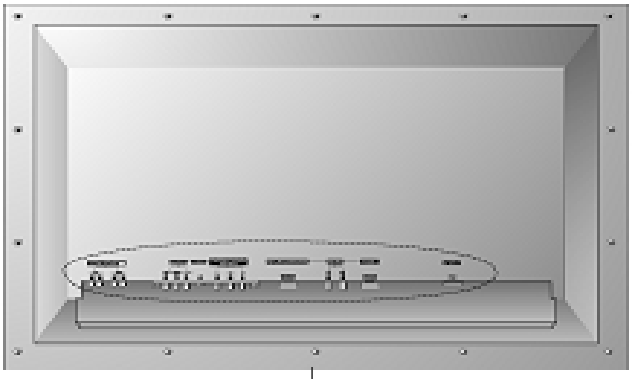
VOL- / VOL

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

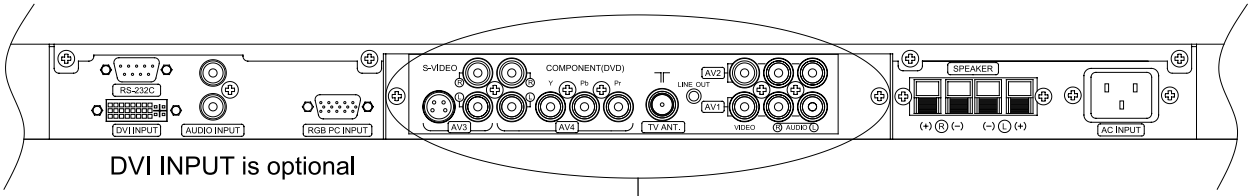
AUDIO INPUT TERMINAL

Turn on and off the main power.

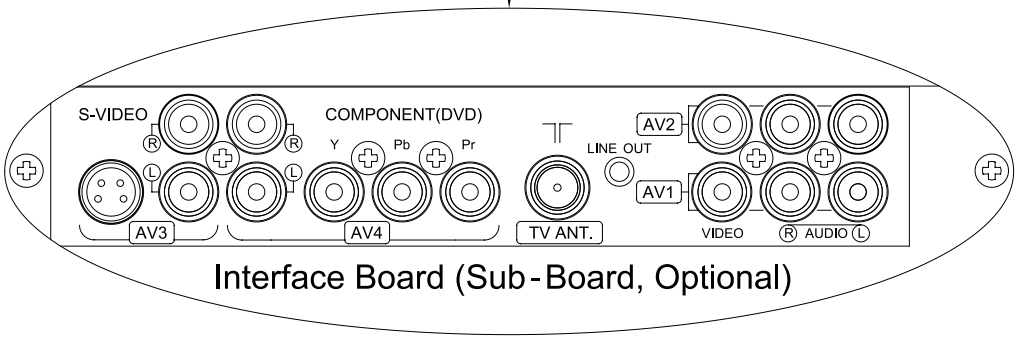
Connecting To External Equipment



Back panel of the Monitor



DVI INPUT is optional



Interface Board (Sub-Board, Optional)

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.

RGB PC INPUT TERMINAL (VGA/SVGA/XGA)

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

AUDIO INPUT TERMINAL

Connects to the audio output terminal of a video deck or similar device.

Overview Of Your New PDP

DVI INPUT(Optional)

Connects DVI Computer Source (Digital Signal) here.

RS-232C INPUT TERMINAL

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

AV INPUT

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

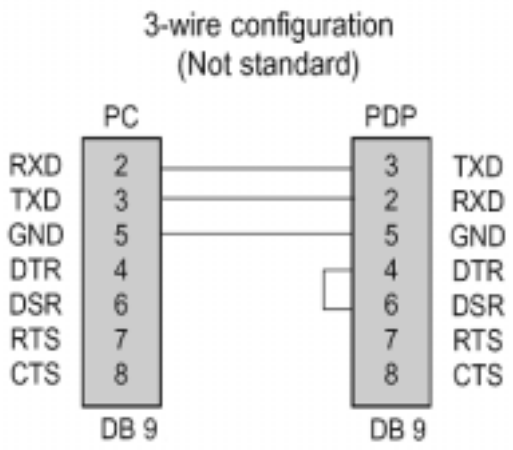
Line Out

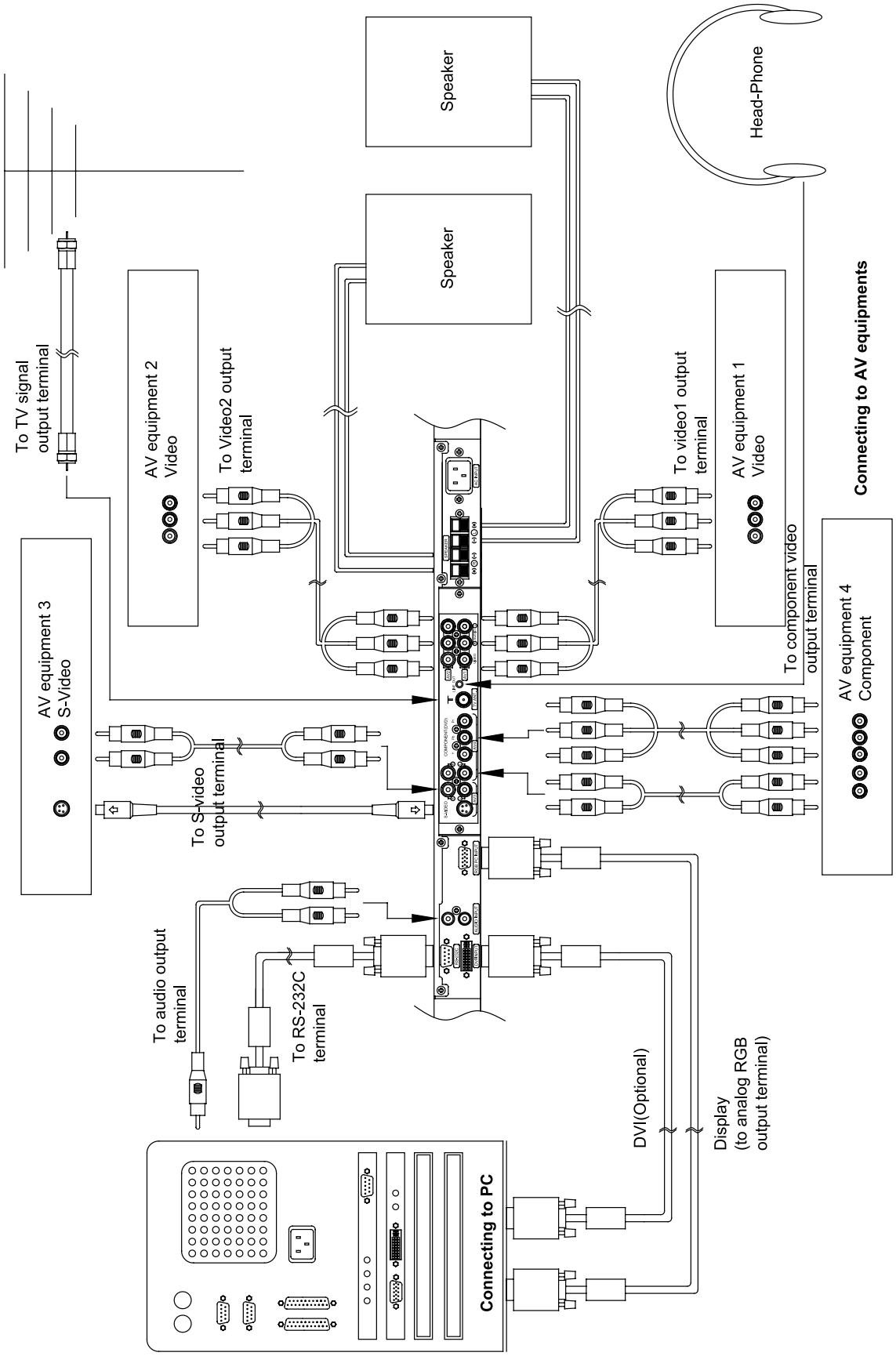
Audio signal output for external audio amplifier.

Connectors	
AUDIO INPUT	Pin Jack
VIDEO INPUT	BNC
S-VIDEO INPUT	S terminal
COMPUNENT VIDEO INPUT	BNC
RGB INPUT	15-pin mD-sub
RS-232C	9-pin D-sub

- When connecting separately purchased BNC terminals, conversion connectors are required between the pin jacks and the BNC terminals, so purchase these also.
- Cables connecting the PC vary according to the type of machine, so consult your product dealer.

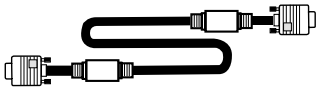
RS-232C Configurations



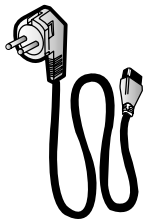

Speaker
Speaker
Head-Phone
To TV signal output terminal
AV equipment 2 Video
To Video2 output terminal
To video1 output terminal
AV equipment 1 Video
Connecting to AV equipments
AV equipment 3 S-Video
To S-video output terminal
To component video output terminal
AV equipment 4 Component
To audio output terminal
To RS-232C terminal
DVI(Optional)
Display (to analog RGB output terminal)
Connecting to PC

Accessories

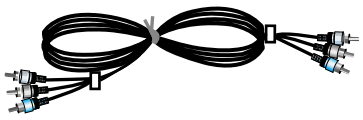
Remote Control Handset



D-sub 15 pin cable



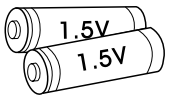
Power Cord



Video Cable

Audio Cable

Owner's Manual

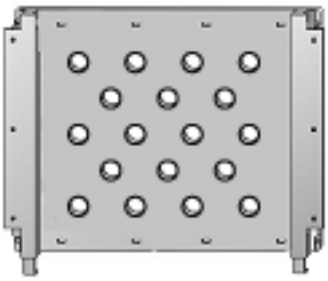


Alkaline batteries

Optional Extras

Side Mount Speaker

Table Stand
(type United)



Fixed Wall
Mount Bracket

Controls Of The Remote Control

When using the Remote Control aim it at the Remote Control sensor of the Plasma TV.

POWER
Turns on and off the main power

MUTE
Mute on / off

TV / VIDEO
Select the signal source from multiple input source of TV, AV1, AV2, S-Video, Component and Analog RGB

SLEEP
TV off time setting, push button for 30 min, 60 min, 90 min and 180 min

BRIGHT
Change the brightness

STILL
Activate the temporary pause

PIP
Activate PIP function on PC Mode

Number key
Direct TV channel number input

EXIT
Exit from the current OSD menu or sub-menu

CH ▲ / ▼
Change the TV channel on TV mode up or down

VIDEO SIZE
Change the image size setting, ie; 16:9, 4:3, etc.

MTS
Exit from the current OSD menu or sub-menu

PREV.CH.
Go back to previous TV channel

CH ADD/ERASE
Edit the TV Channel preset

VOL+ / VOL-
Change the audio level, increase or decrease

SET
Activate the OSD window, enter the sub-menu

CLOSED CAPTION
Activate the closed caption function

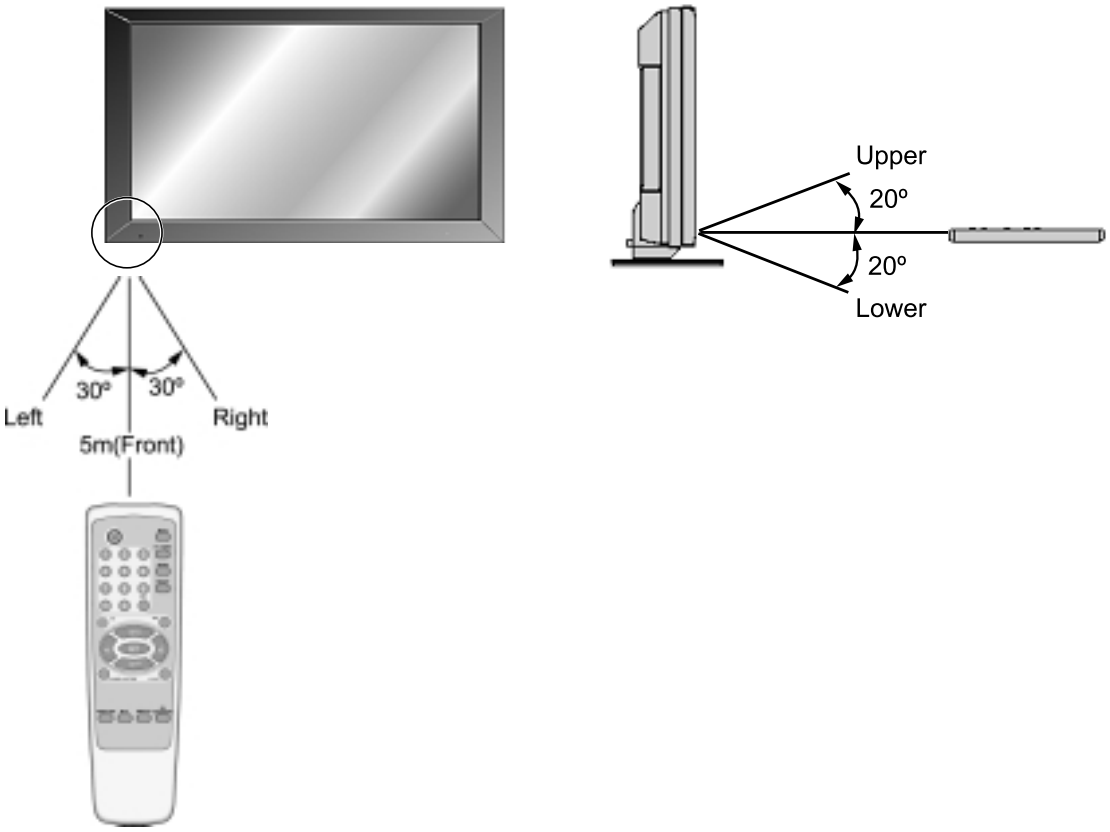
V-CHIP
Activate the V-Chip function

Controls Of The Remote Control

Loading The Batteries

1. Press on the cover and slide in the direction of the arrow.
2. Load two AA batteries, taking care that the + and - ends face the correct direction.
3. Close the cover until it clicks.

Reception range of remote control



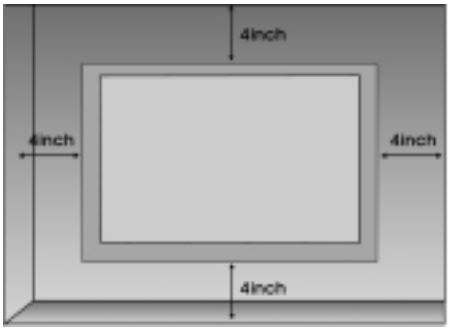
Monitor Installation

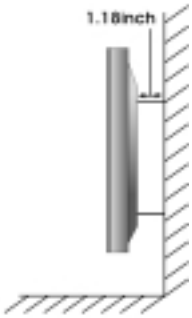
The Monitor can be installed in various ways such as Wall Mounting type, Table Stand type, etc..

Wall Mount Installation

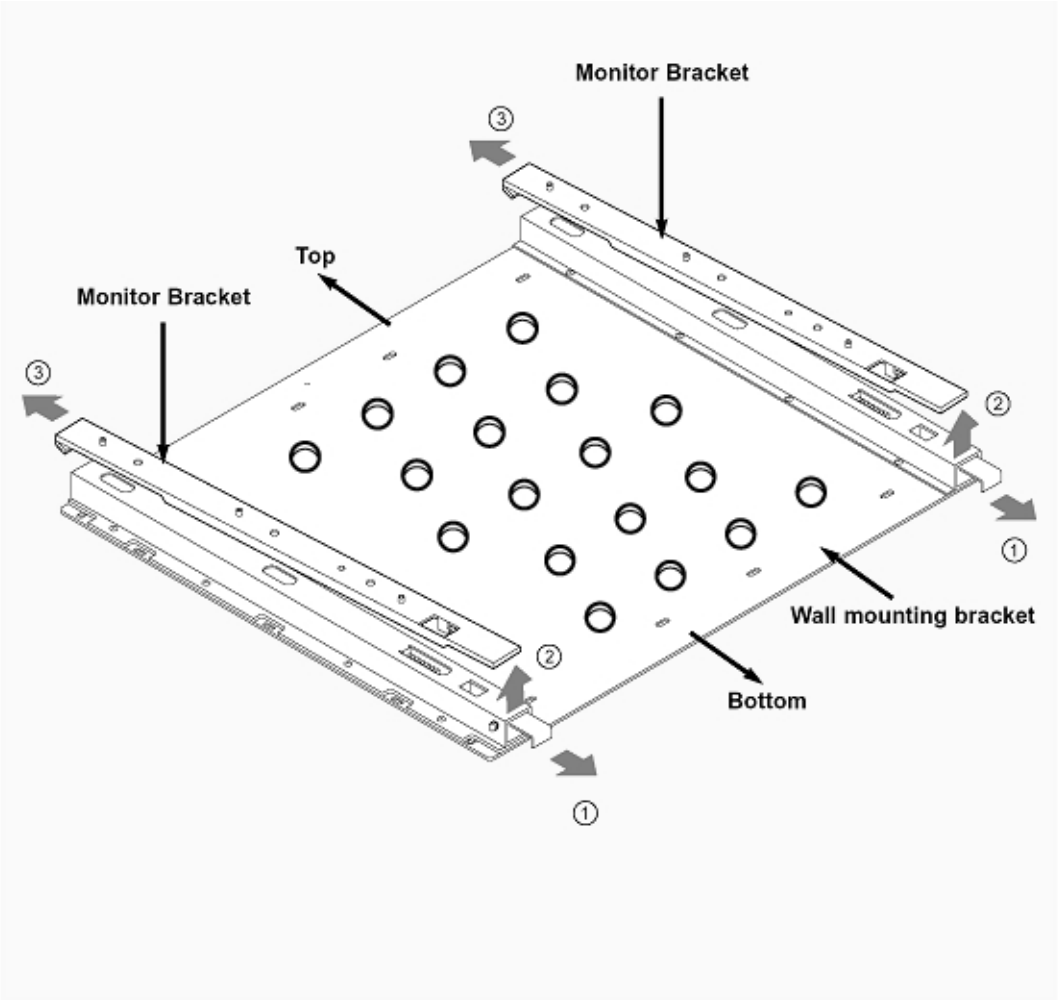
<The monitor can be installed on the wall as the picture above>

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





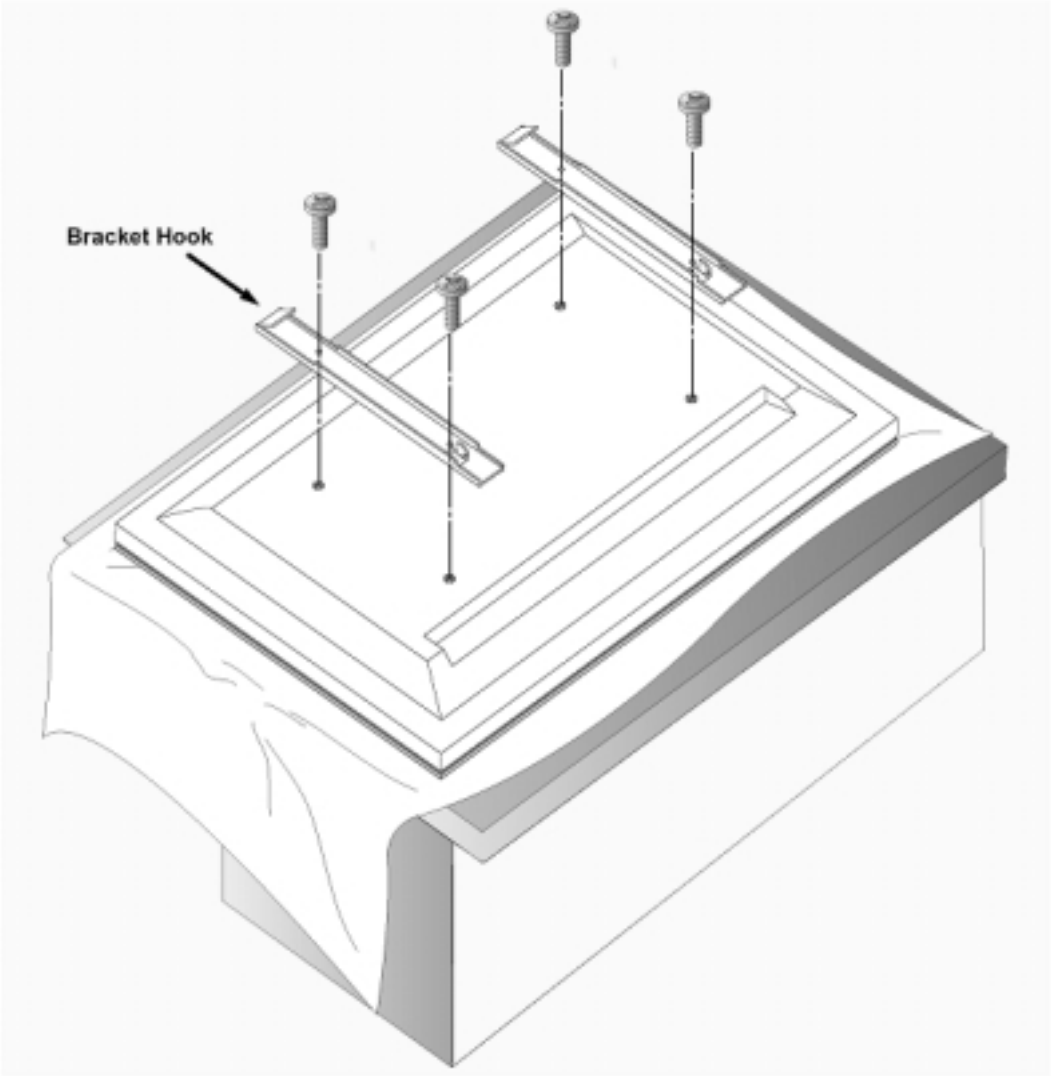
Installation



▶ **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.

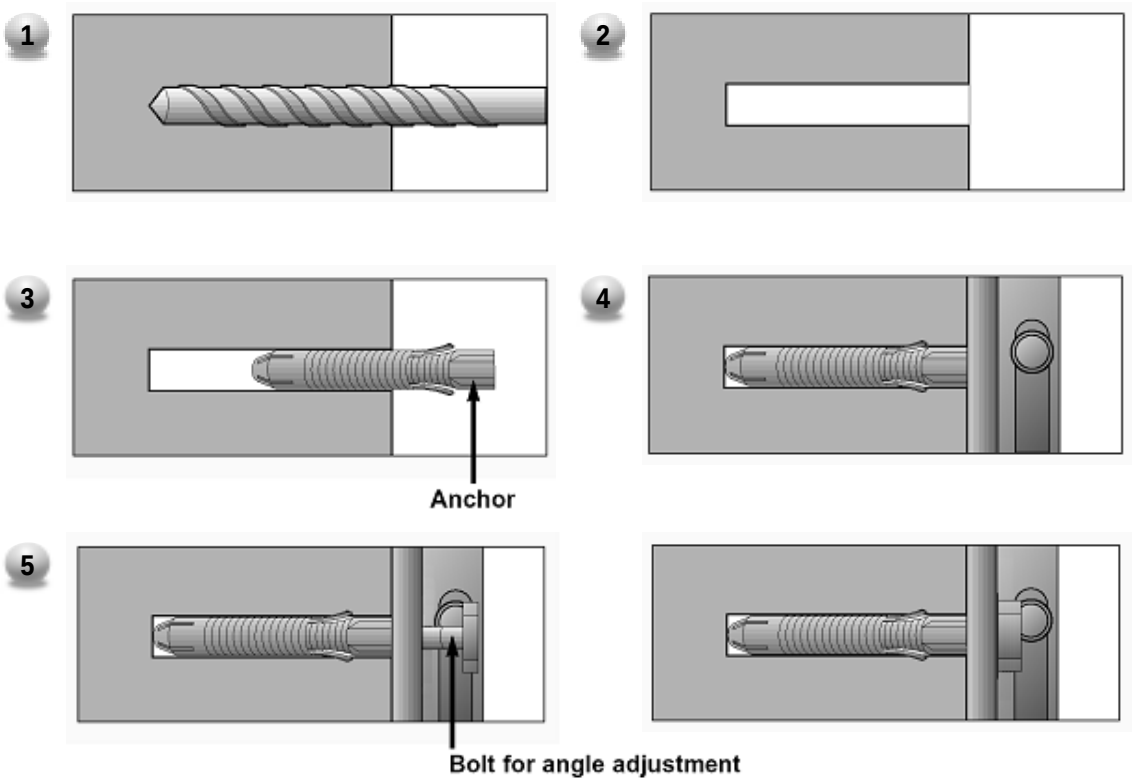
Monitor Installation



- AS shown above, carefully place the Monitor screen side down on a cushioned surface that will protect the monitor and screen from damage.

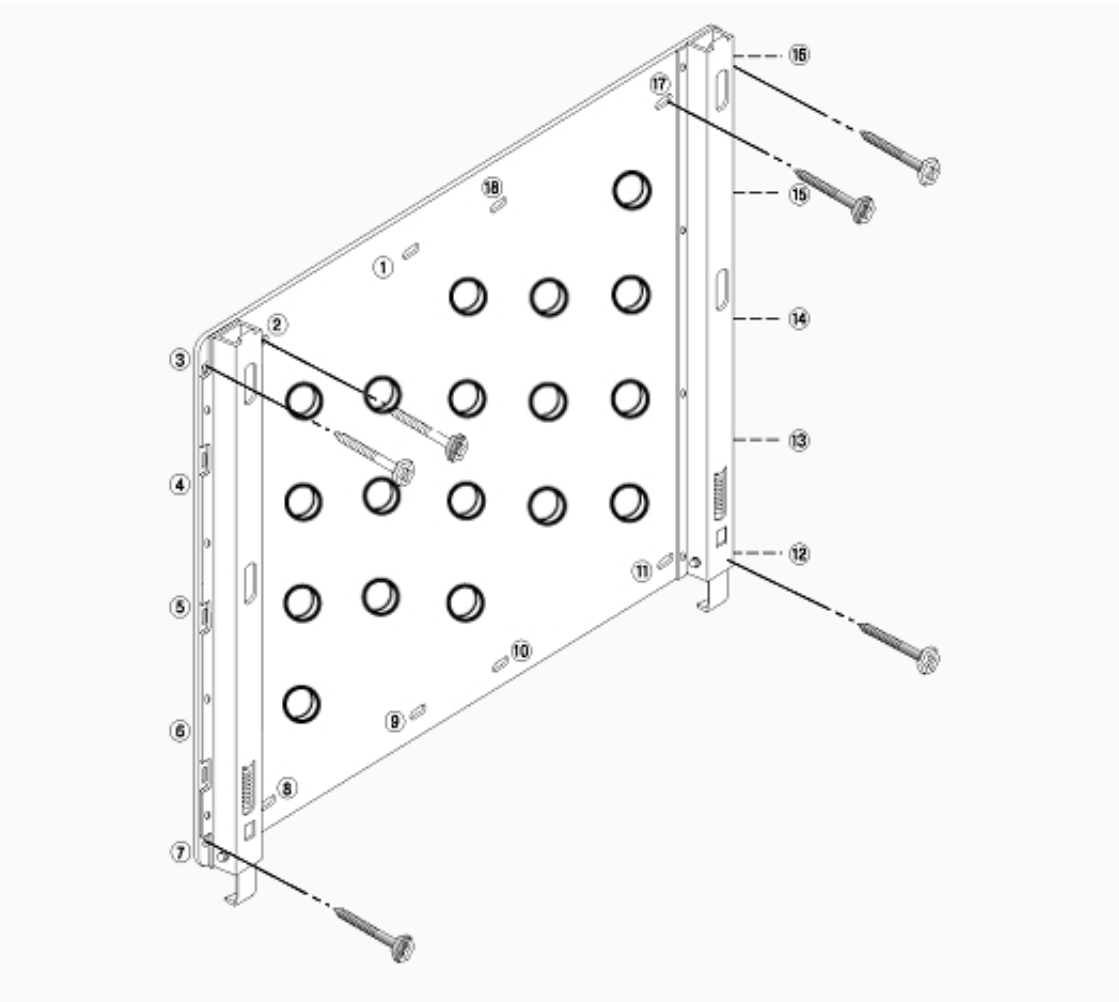
- Insert the monitor brackets on the monitor as shown above. Install the 4 bolts securely, in the back of the monitor in the holes provided. Be sure the bracket hooks are at the top side of the monitor.

How to fix anchors and bolts



1. Drill the 6 hole positions as shown on page 21. 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.

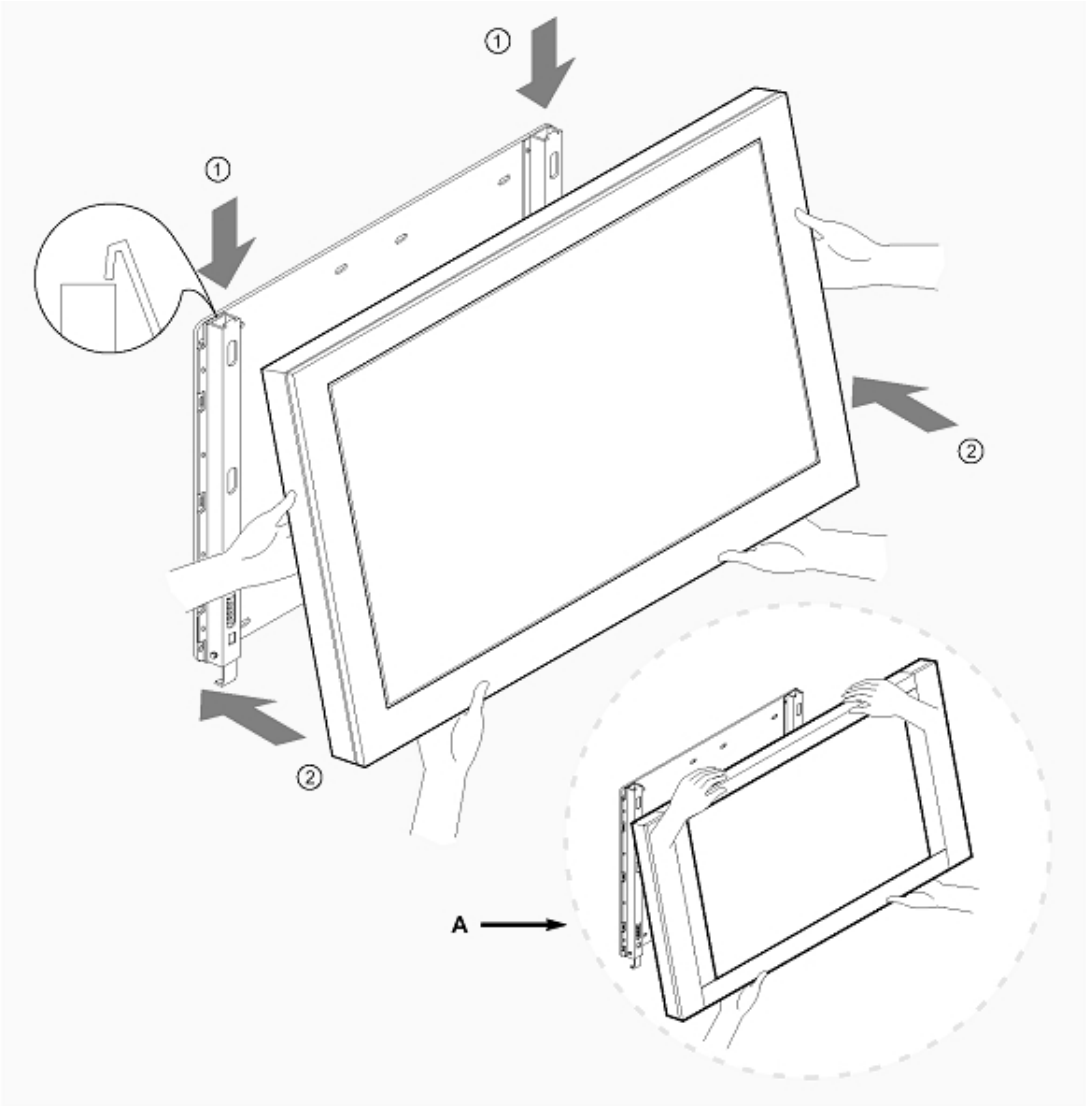
Monitor Installation



▶ 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.

Caution

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

Monitor Installation

Wall Mount Accessories

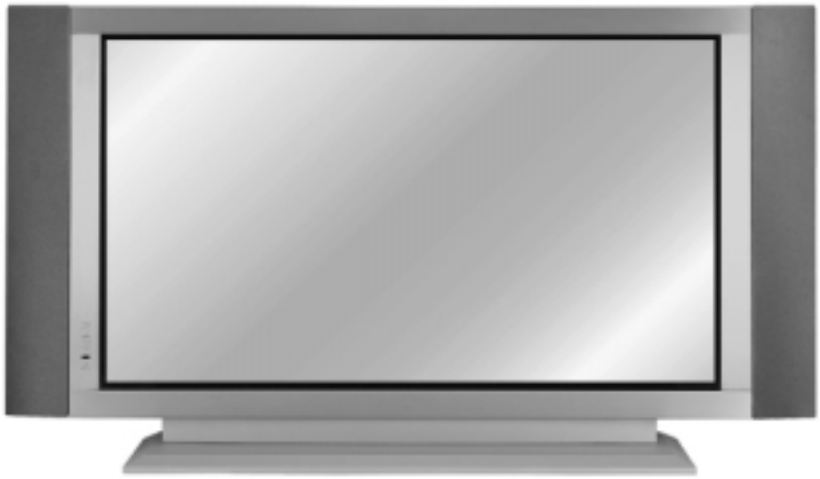
6-Bolts for Wall
mounting bracket

6-Wall Anchor
Bolt Sleeves

4-Monitor Bracket
Bolts

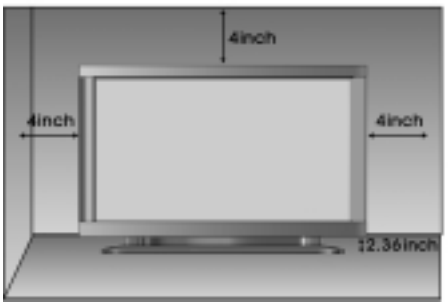
Monitor Installation

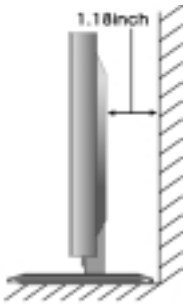
Table Stand Installion



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

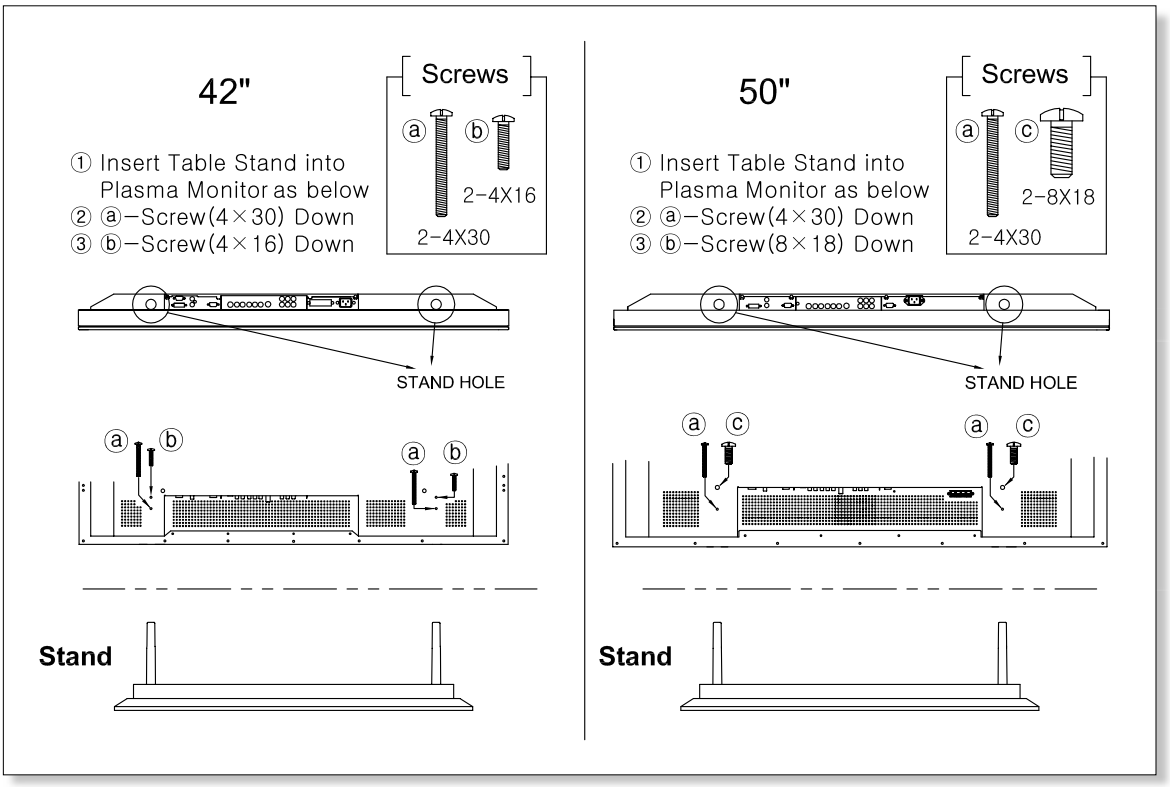
• Table Stand mount minimum allowable clearances for adequate ventilation.





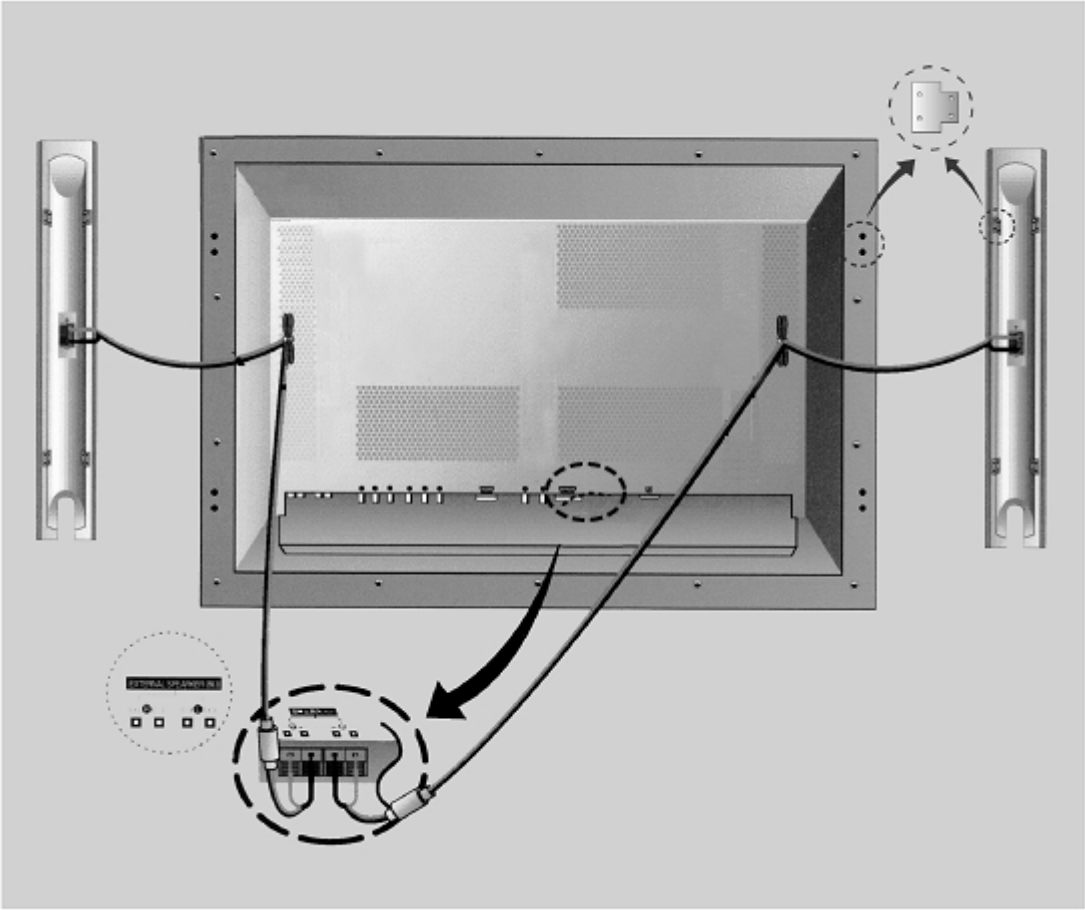
Monitor Installation

Installation

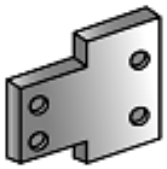


Speaker Installion

Installation



Speaker Accessories



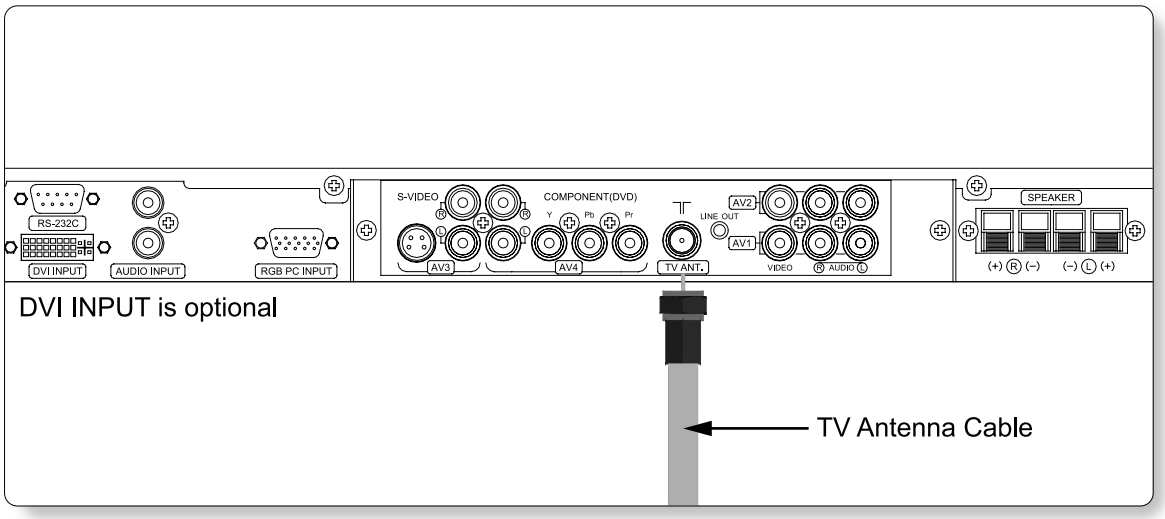
4-Iron Plates (Mount speakers to monitor)

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

Watching TV



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

1. Make sure if the signal source is TV. 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 channel selection.
3. You can watch the previous channel by pressing PREV.CH. Button on Remote Control.
4. Also, you can tune to cable service provided channels using the cable box. For further information regarding cable TV service, contact cable TV service provider(s).

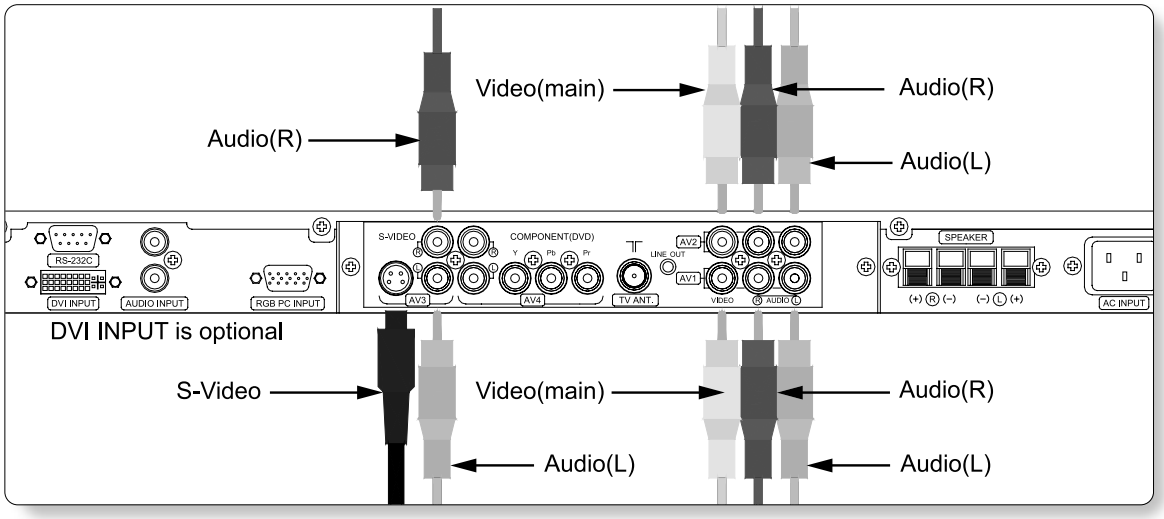
Watching VCR

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 between the VCR and monitor.>

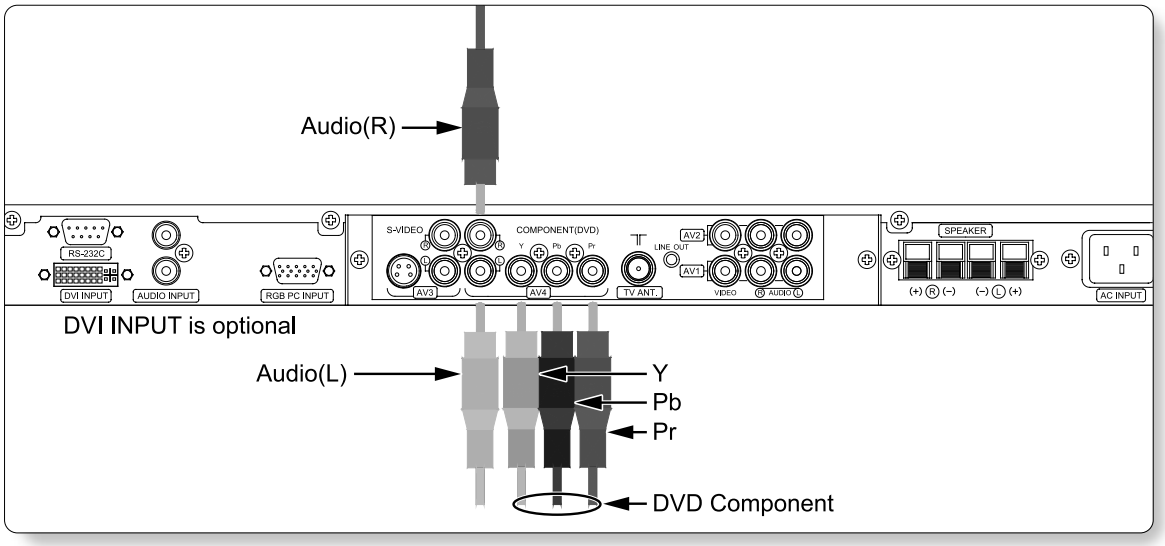
To watch VCR (When the Interface board is installed.)

1. Press TV/ Video button on the remote control and select Video Sources. (When connection with S-Video, select the S-Video.)
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, P_B, P_R of COMPONENT (DVD INPUT) and audio inputs to Audio sockets of AV INPUT.



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

1. Press TV / Video button on the remote control of the monitor to select Component.
2. Try this after turning on the DVD player.

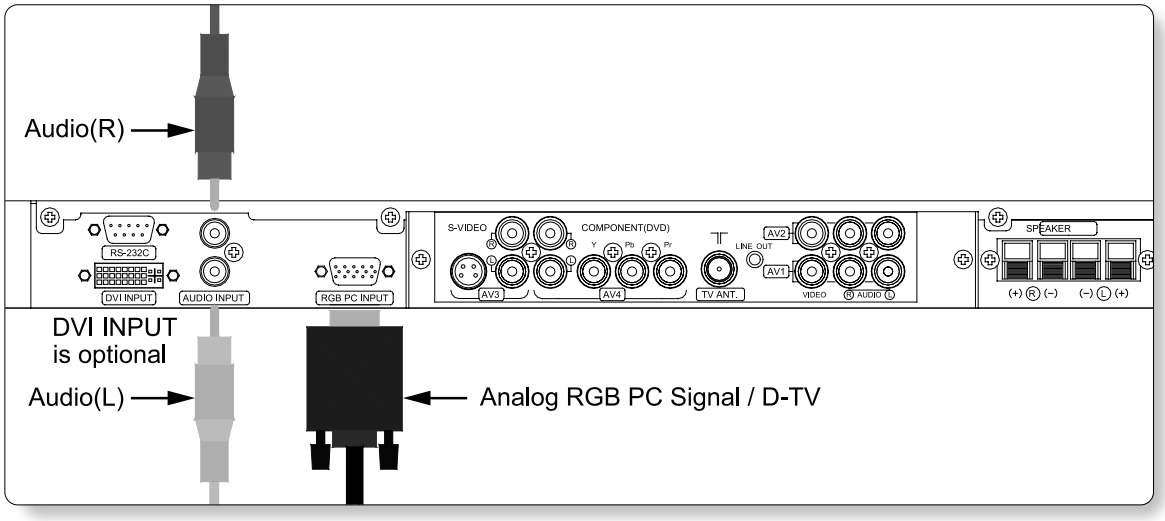
Component Input ports

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

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

Connecting The PC

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

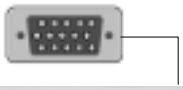


Connecting a PC to the PDP

- Connect a PC (15pin) cable between the Video Output jack on the PC and the RGB in (15p D-SUB) on the PDP.

Pin Configuration

- 15Pin Signal Cable
  (based on protruded pin)



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

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
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
	64.062	120.00
800 X 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 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(-)

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.

Notes

- If your Monitor isn't turned on when the power button is pressed: Press the MODE button to check if the Monitor mode has been chosen

TV Channel Selection

1. Make sure if the signal source is TV.
2. Use CH+, CH- button or numeric button to change TV program for your channel selection.
3. You can watch the previous channel by pressing PREV.CH. Button on Remote Control.

Volume Control

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

OSD Structure

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

e.g.) OSD menu on the video background

PICTURE	
TV & VIDEO	**PC**
BRIGHTNESS CONTRAST COLOR HUE SHARPNESS TEMPERATURE	BRIGHTNESS CONTRAST H-POSITION V-POSITION PHASE H-SIZE AUTO ADJUST

SOUND
VOLUME TREBLE BASS BALANCE

MISC
VIDEO SIZE OSD SHEET OSD POSITION SLEEP

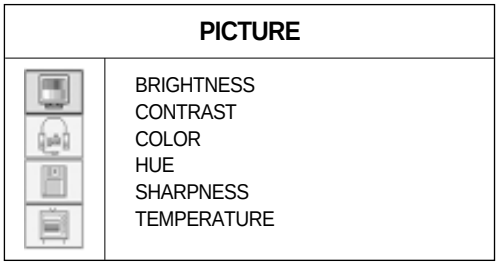
TV SETUP
MODE AUTO CHANNEL FINE TUNE MTS

PIP
PIP ON/OFF VIDEO SOURCE AUDIO SOURCE PIP POSITION

PICTURE (TV & VIDEO)

Adjust Brightness, Contrast, Color, Hue, Sharpness, Temperature on OSD menu.

1. Press SET button to activate OSD.
2. Press SET button again to get into PICTURE main menu.



BRIGHTNESS

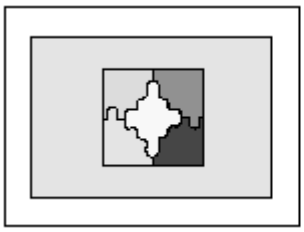
Control the brightness of display by using left and right button.

Dark ◀

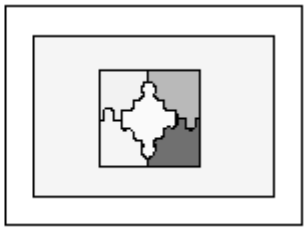
▶ Bright

CONTRAST

Control the contrast of display.



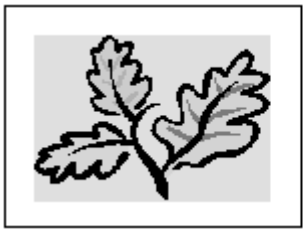
Distinct ◀



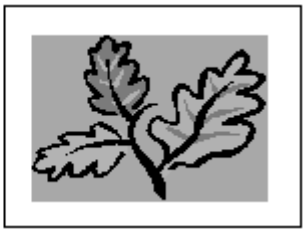
▶ Vague

COLOR

Control the color saturation of display.



Decrease ◀



▶ Increase

PICTURE (TV & VIDEO)

PICTURE	
	BRIGHTNESS CONTRAST COLOR HUE SHARPNESS TEMPERATURE

HUE

Control the color appearance from neutral to red or green or Blue.

Bluish ◀

▶ Greenish

• Hue means that it is a difference of color toward Blue or Red color direction.

SHARPNESS

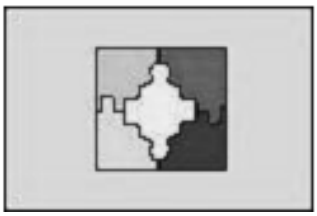
Control the sharpness of image edge.

Less sharp ◀

▶ Sharp

TEMPERATURE

Select the color temperature of screen image from Warm, Cool and Normal.



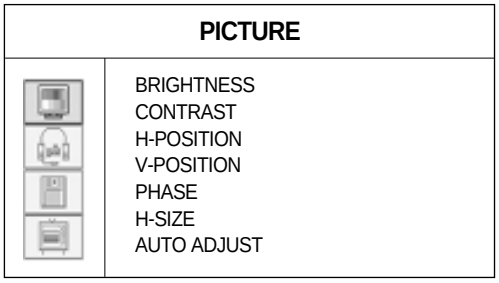
Warm ◀

▶ Cold

PICTURE (PC)

Adjust Brightness, Contrast, H-Position, V-Position on OSD menu.

1. Press SET button to activate OSD.
2. Press SET button again to get into PICTURE main menu.



BRIGHTNESS

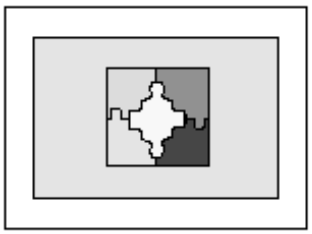
Control the brightness of display.

Dark ◀

▶ Bright

CONTRAST

Control the contrast of display.

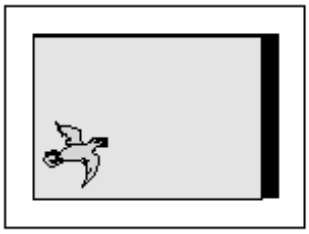


Distinct ◀

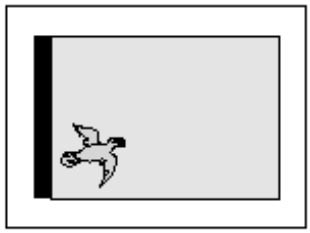
▶ Vague

H-POSITION

Moving the center of display image. After selecting Position menu, you can move the image using VOL -/+ buttons.



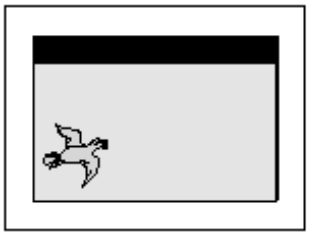
◀



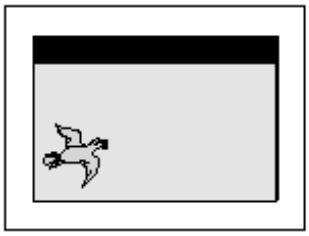
▶

V-POSITION

Moving the center of display image. After selecting Position menu, you can move the image using VOL -/+ buttons.

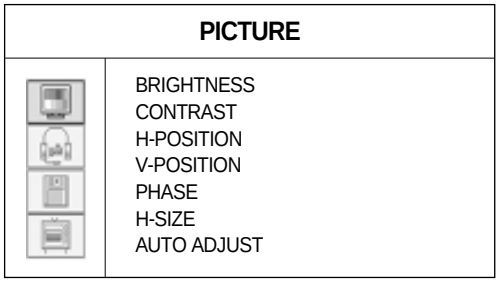


◀



▶

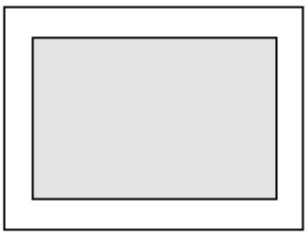
PICTURE (PC)



PHASE

Fine tuning of display accuracy on the screen. Only available when you are in PC/HD input mode.

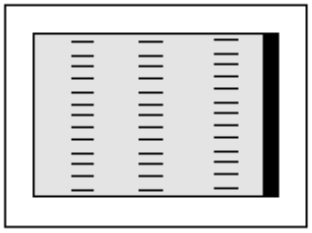
Mismatch



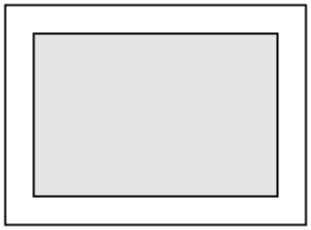
Match

H-SIZE

Adjust the horizontal size of display. Only available when you are in PC/HD input mode.



Mismatch



Match

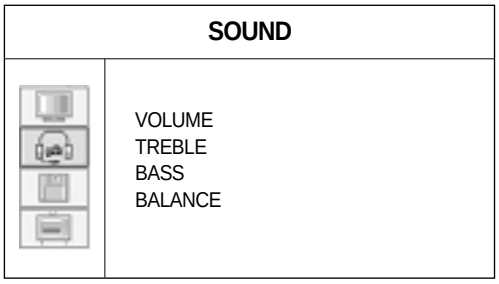
Auto Adjust

Automatically adjust picture position and eliminate any image shaking.

SOUND (TV & VIDEO + PC)

- Control 'Volume, Treble, Bass and Balance'

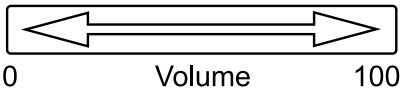
Adjust the Volume, Treble, Bass and Balance on OSD menu.



1. Press SET button to activate OSD.
2. Use DOWN button to go to SOUND main menu.
3. Press SET button again to get into SOUND main menu.

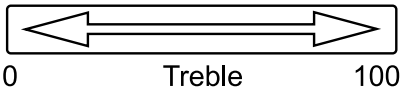
VOLUME

Control the amount of volume of sound. Ranges from 0 to 100



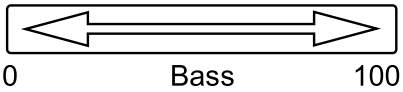
TREBLE

Control the high frequency component of the sound. Ranges from 0 to 100



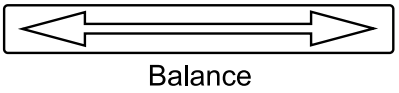
BASS

Control the low frequency component of the sound. Ranges from 0 to 100



BALANCE

Control the left and right sound balance.



MISC (TV & VIDEO + PC)

Image scaling, OSD display & time setting.

MISC	
	VIDEO SIZE OSD SHEET OSD POSITION SLEEP

VIDEO SIZE

You can change the scaling size of video on MISC main menu and VIDEO SIZE sub menu or by pressing V-SIZE button on Remote Control.

Fill Screen

Fill the screen regardless of incoming aspect ratio

Fit to Aspect

Fit the screen with the same aspect ratio as signal source

Letter Box

Expand letter box contents to full screen. But you will notify the display quality worse than original mode due to the loss resolution caused by image expansion. (use only with letter box contents)

TV mode

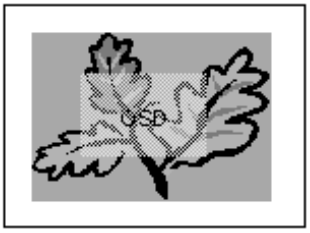
Zooming more like a classical TV size, which is over-scanned.

OSD SHEET

Select the background pattern of OSD. "Opaque" and "Translucent" can be selected. "Opaque" set the OSD background as solid color. "Translucent" set the OSD background as half transparent.

Changes the Transparency of background color of OSD window.

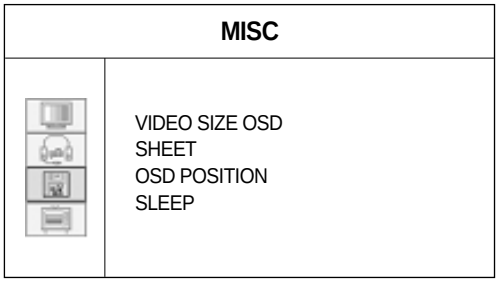
Opaque



Translucent

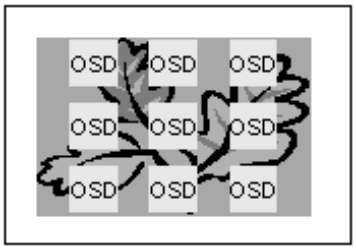
MISC (TV & VIDEO + PC)

Image scaling, OSD display & time setting.



OSD POSITION

Select OSD position among nine preset positions



SLEEP: 30min > 60min > 90min > 180min

Select your desirable setting time to turn off the TV automatically. 30 min, 60 min, 90 min, 180 min and “Off” can be selected. The timer will start to count down just after you select.

TV SET-UP

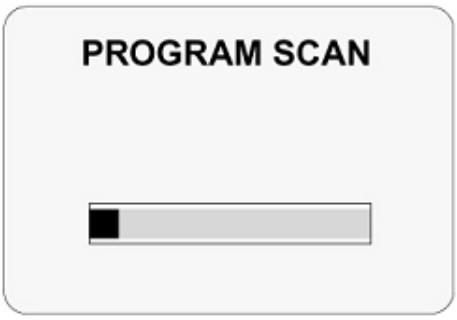
TV CHANNEL SETUP	
	MODE AUTO CHANNEL FINE TUNE MTS

MODE

select “Air” or “Cable”. If your TV set is connected antenna, select “AIR”, If you TV set is connected to the CABLE TV, select “CABLE”

AUTO CHANNEL

If you select “AUTO CHANNEL”, TV set will automatically scan available channel.
If you want to exit auto channel scan, press “exit” key on IR Remote Control.



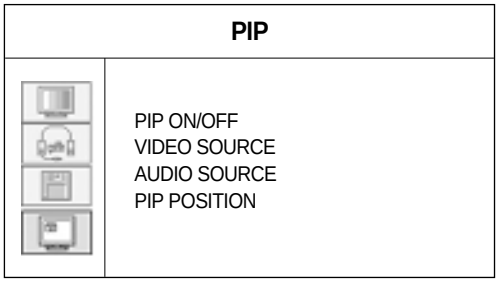
FINE TUNE

You can manually adjust the tuning precision by suing this function.

MTS

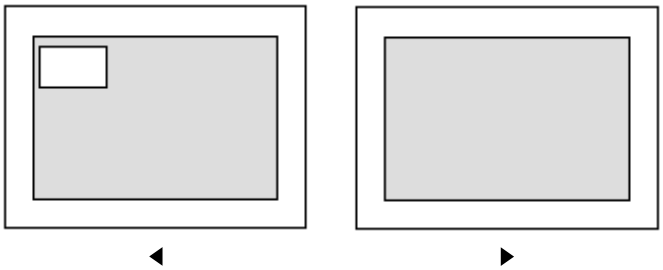
Select the audio mode on TV broadcasting. “AUTO”, “STEREO”, “MONO”, “L1” and “L2” can be selected. If you select “AUTO”, the TV set will select stereo mode if the channel broadcast in stereo mode, mmono mode otherwise” If you want to set sound mode as “MONO”, the set will sounds as mono mode even if the channel broadcasts with stereo mode. If the channel is broadcasting in Bi-lingual mode and if you want to listen to secondary language, you should select “L2”. The TV set will sounds with default language otherwise.

PIP (PC)



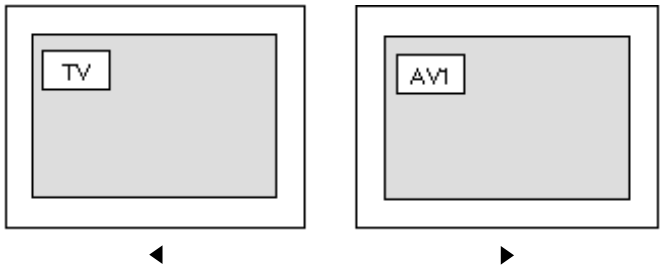
PIP(Picture in Picture) ON/OFF

Select ON/OFF the PIP mode.
You can choose ON/OFF
mode using ◀ ▶ keys.



VIDEO SOURCE

Select the PIP video source.
After selecting video source menu,
you can change the source using
◀ ▶ keys.
(TV>AV1>AV2>SVIDEO>COMPONENT)

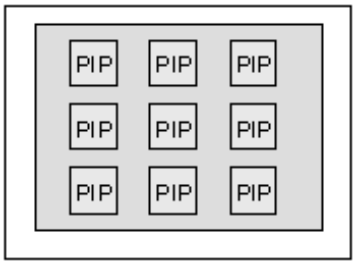


AUDIO SOURCE

Select the audio source. When you select 'PIP' mode, you will hear PIP audio source.
When you select 'Main' mode, you will hear Analog RGB audio source.you can change the source using ◀ ▶ keys.

PIP POSITION

Select PIP position among nine preset positions.



Hot Key Function By Remote Control

CLOSED CAPTION

Push Closed Caption button to activate closed caption menu. Use arrow control keys to access 2 channels of Closed Captions and 2 channels of Text.

V-CHIP

Push Closed Caption button to activate closed caption menu. Use arrow control keys to access 2 channels of Closed Captions and 2 channels of Text.

INPUT PASSWORD

— — — —

V-CHIP MAIN

MPAA	Press SET
TV GUIDELINE	Press SET
PASSWORD	Press SET

MPAA RATING

Select the block level.
you can change the 'SHOW', 'BLOCK' by using VOLUME(◀ ▶) keys.

INPUT PASSWORD

G	SHOW
PG	SHOW
PG-13	SHOW
R	SHOW
NC-17	SHOW
X	SHOW

TV GUIDELINE

Select the TV guideline.
you can change the 'SHOW', 'BLOCK' by using VOLUME(◀ ▶) keys.

TV GUIDELINE

TV-Y	SHOW
TV-Y7	SHOW
TV-G	SHOW
TV-PG	SHOW
TV-14	SHOW
TV-MA	SHOW
CONTENT	Press SET

BLOCK CONTENT

(TV GUIDELINE ▶ CONTENT)

You can change the 'SHOW', 'BLOCK' by using VOLUME(◀ ▶) keys.

BLOCK CONTENT

D	SHOW
L	SHOW
S	SHOW
L	SHOW
FV	SHOW

PASSWORD CHANGE

You can change the password.
(4 characters)

PASWORD CHANGE

OLD	— — — —
NEW	— — — —
RETRY	— — — —

Specification

42” Plasma TV Display Panel	50” Plasma TV Display Panel
Function and Specification	**Function and Specification**
42-inch diagonal screen	50-inch diagonal screen
Variable 4:3 / 16:9 image aspect ratios (4 modes)	Variable 4:3 image aspect ratios (4 modes)
16:9 Panoramic mode	16:9 Panoramic mode
852 x 480 physical pixels	1366 x 768 physical pixels
800:1 contrast ratio	590:1 contrast ratio
Brightness:630cd/m^2	Brightness:560cd/m^2
PC monitor support up to 1280 x 1024 60hz	PC monitor support up to 1280 x 1024 60hz
181-Channel Cable-Ready TV tuner (NTSC in USA)	181-Channel Cable-Ready TV tuner (NTSC in USA)
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 Procesor	Motion-Adaptive Deinterlace Procesor
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 in USA)	Digital 3D comb filter (NTSC in USA)
NTSC TV/CATV Tuner Module	NTSC TV/CATV Tuner Module
Closed Caption decoding (NTSC in USA)	Closed Caption decoding (NTSC in USA)
Favorite channel programming	Favorite channel programming
Channel lock/V-chip (NTSC in USA)	Channel lock/V-chip (NTSC in USA)
High Definition Component Video inputs: 480 i/p, 720p, 1080i	High Definition Component Video inputs: 480 i/p, 720p, 1080i
DVD Component Port : 480 i/p	DVD Component Port : 480 i/p
Automatic frequency detection	Automatic frequency detection
Selectable color temp. settings:Warm, Cool, User	Selectable color temp. settings:Warm, Cool, User
Miscellaneous	**Miscellaneous**
Built-in audio amplifier and two 7W speakers / Optional	Built-in audio amplifier and two 7W speakers / Optional
Selectable fixed/variable audio output / Optional	Selectable fixed/variable audio output / Optional
Quiet fanless operation	Quiet fanless operation
Input phase clock adjustment	Input phase clock adjustment
Front panel lock (via RS-232)	Front panel lock (via RS-232)

Specification

42” Plasma TV Display Panel	50” Plasma TV Display Panel
Connectivity:	**Connectivity:**
Composite:RCA-pin x 2	Composite:RCA-pin x 2
Component video signal : YPbPr x 1	Component video signal : YPbPr x 1
S-video : Mini DIN 4-pin x 1	S-video : Mini DIN 4-pin x 1
RGB input : D-sub 15-pin x 1, HD / SD	RGB input : D-sub 15-pin x 1, HD / SD
Audio input : RCA-pin Type(L/R) x 5:Full support seperated audio input	Audio input : RCA-pin Type(L/R) x 5:Full support seperated 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 / Optional	DVI input : DVI Cable / Optional
Accessories	**Accessories**
Full function remote control	Full function remote control
Table stand / Optional	Table stand / Optional
Side-mount Speakers / Optional	Side-mount Speakers / Optional
Dimensions : (W x H x D) unit : mm	**Dimensions : (W x H x D) unit : mm**
1050 x 635 x 87 (Main only)	1210 x 733 x 88 (Main only)
1250 x 635 x 87 (With stand, without Speaker)	1450 x 733 x 88 (With stand, without Speaker)
1050 x 708 x 299 (With stand and speaker)	1450 x 802 x 299 (With stand and speaker)
Weight:	**Weight:**
40kg (Main only)	52kg (Main only)
47kg (With stand, without Speaker)	57kg (With stand, without Speaker)
49.7kg (With stand and Speaker)	61kg (With stand and Speaker)
Working Enviroment	**Working Enviroment**
Power : AC 110~240V, 50/60Hz	Power : AC 110~240V, 50/60Hz
Power Consumption : 380 Watts	Power Consumption : 380 Watts
Temperation	Temperation
Operation : 0°c~35°c(32°F~90°F)	Operation : 0°c~35°c(32°F~90°F)
Storage : -15°c~60°c(5°F~140°F)	Storage : -15°c~60°c(5°F~140°F)
Huminity	Huminity
Operation : 20~70%	Operation : 20~70%
Storage : 20~80%	Storage : 20~80%
Pressure	Pressure
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	Check whether the Monitor is turned on. 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.
Picture OK & No sound	Press the VOLUME(▶) button. Check the audio input signal.
The remote control doesn't work	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.
No or Poor color or Poor picture	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.
The image is too light or too dark	Adjust the Brightness or Contrast settings.
The image is too large or too small	Adjust the Size settings.
No output from one of the speakers	Adjust Balance in the Sound Menu.
Strange sound form the Monitor	Typical sound due to normal Monitor operation, Monitor is not faulty.

United States Retail Warranty

Helios is a product of S^2 Technologies,LLC>(S^2)

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All Helios branded Products shall be free from defects in, materials for a period of twelve (12) months from the date of purchase from an authorized Helios Dealer and for a period of three (3) months for workmanship. This non-transferable warranty shall cover the original purchaser. This warranty shall cover normal usage conditions. Any product sold and / or used for a commercial application shall have a limited 90-day warranty for all parts and labor.

To obtain warranty services in domestic USA and worldwide please call (954) 749-3100 for a manufacturer's return for service authorization. Return for service number and an original proof of purchase shall accompany all product returns for service.

This warranty does not cover shipping charges, risk of loss during shipment, and export taxes, custom duties and taxes, or any other charges associated with transportation of the product to and from the repair facility.

S-Squared retains the right to assess all warranty claims and to determine if damages are covered by the warranty. In case of a claim that is not covered by the warranty, you will be contacted to determine whether S-Squared should repair the damage for a fee or whether the product should be returned to you as received by S-Squared.
During the warranty period, S-Squared may repair or replace defective parts with new or, at S-Squared's option, serviceable used or reconditioned parts that are equivalent to new parts in performance. All exchanged parts and products replaced under this warranty will become the property of S-Squared.

All returns of LCD product shall be shipped double boxed as to prevent damage in transport and insured for full purchases value.

All returns of Plasma products shall be shipped strapped, upright on a palette as to prevent damage in transport as well as insured for full purchases value.

Please send all domestic USA returns to S-SQUARED's US domestic warranty service center at 5375 Hiatus Road, Sunrise, Florida 33351.
For service in all territories outside of domestic USA, please contact your respective importer/distributor.

This limited warranty excludes all product(s) that has been damaged or rendered defective (a) as a result of accident, misuse, or abuse; (b) operation outside the usage parameters stated in the product's User's Guide; (c) by the use of parts not manufactured or sold by S-Squared; (d) by modification of the product, or (e) as a result of service by anyone other than an authorized S-Squared service provider. S-Squared is not responsible for damages caused by the loss of any programs, data, or removable storage media.

S-Squared is not liable for any damages caused by the product or the failure of the product to perform, including any lost profits, lost savings, incidental damages, or consequential damages. S-Squared is not liable for any claim made by a third party or made by you for a third party. This limitation applies whether damages are sought, or a claim made, under this warranty or as a loss claim (including negligence and strict product liability), a contract claim, or

United States Retail Warranty

any other claim. This limitation of liability will be effective even if S-Squared or an authorized representative of S-Squared has been advised by you of the possibility of any such damages. This limitation of liability, however, will not apply to claims for personal death or injury.

THIS WARRANTY IS THE ONLY WARRAN–TY BY S-SQUARED WITH RESPECT TO HELIOS PRODUCTS AND NO OTHER WARRANTIES, CONDITIONS, REPRESENTATIONS OR GUARANTEES OF ANY KIND, WHETHER BY LAW OR CUSTOM, WRITTEN OR ORAL, EX–PRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE, CONDI–TION OR DESIGN, OR CONFORMANCE WITH SAMPLE, SHALL APPLY.

Any LCD or PDP display with more than 4 dead (or fixed color) pixels shall be considered a factory defect.

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Memo

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