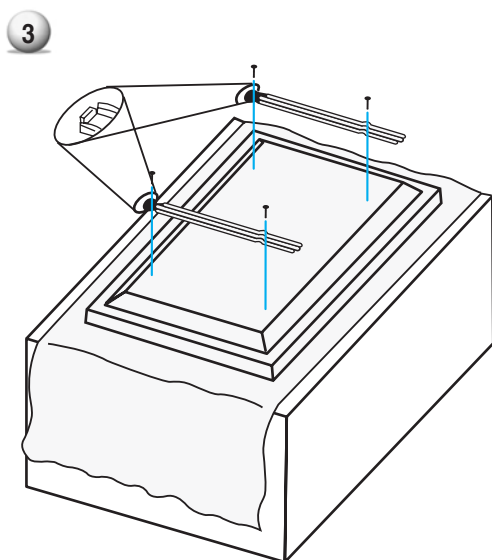


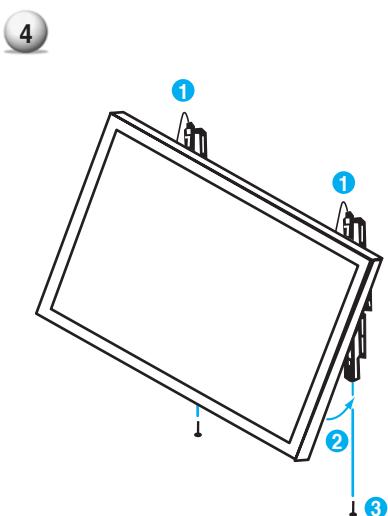
ATTACHMENT E-2.

- USER'S MANUAL(2)

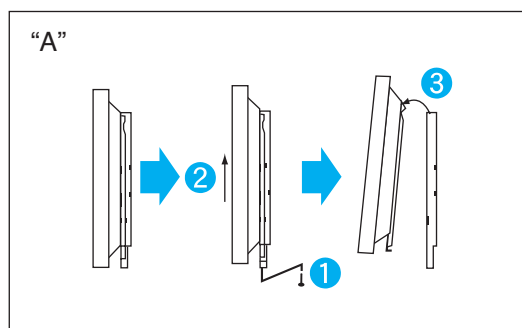
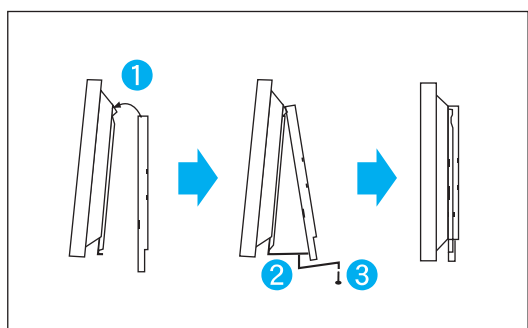
Monitor Installation



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)



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



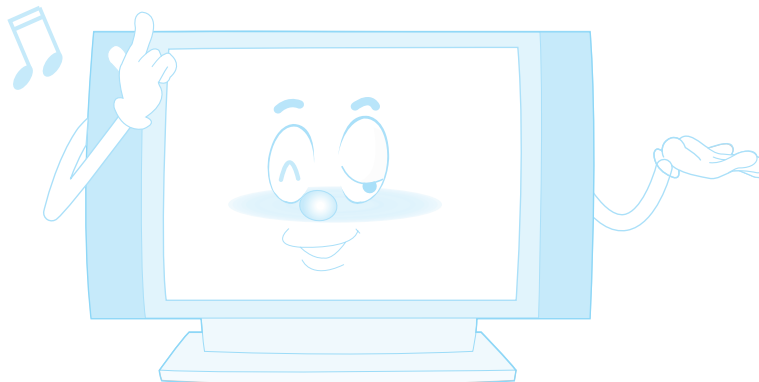
SCREW 8EA



BOLT 6EA
M8 x 30L



BOLT 6EA
M4 x 6L



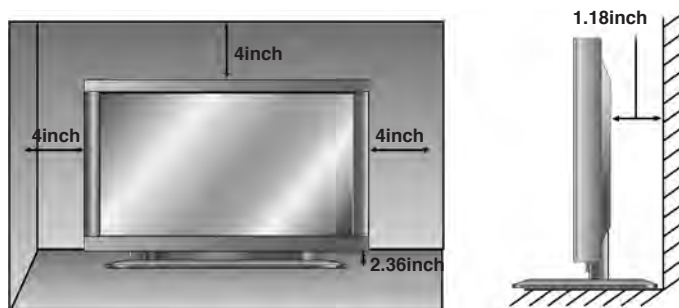
Monitor Installation

Table Stand Installation (optional)



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

- Table Stand mount minimum allowable clearances for adequate ventilation.



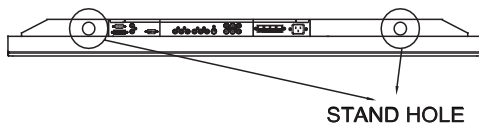
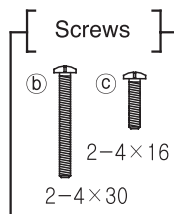
Monitor Installation

► Installation (Separate Type)

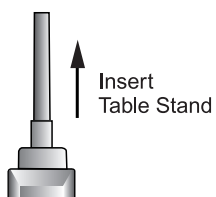
Table-Stand User's Guide

42"

- ① Insert Table Stand into Plasma Monitor
- ② ③ -Screw (4x30) Down
- ③ ④ -Screw (4x16) Down



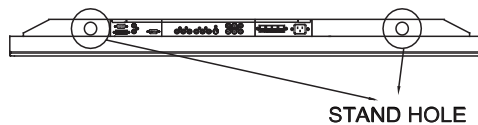
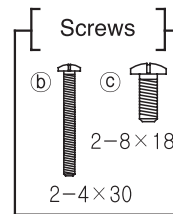
**Table Stand
(type United)**



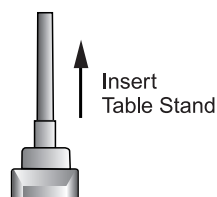
**Table Stand
(type Separated)**

50"

- ① Insert Table Stand into Plasma Monitor
- ② ③ -Screw (4x30) Down
- ③ ④ -Screw (8x18) Down



**Table Stand
(type United)**



**Table Stand
(type Separated)**

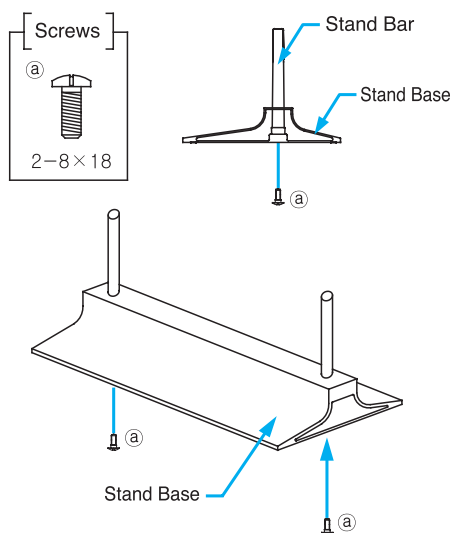
Monitor Installation

► Installation (United Type)

Table-Stand User's Guide

① Insert Stand Bars into the Stand Base as shown below

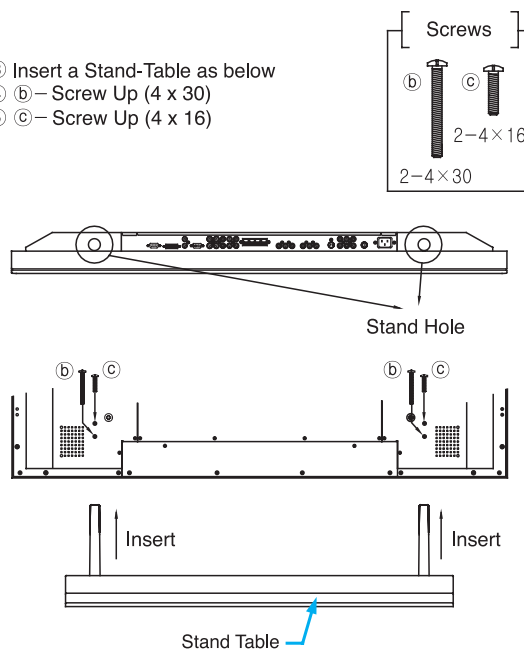
② a—Screw Up (8 x 18)



③ Insert a Stand-Table as below

④ b—Screw Up (4 x 30)

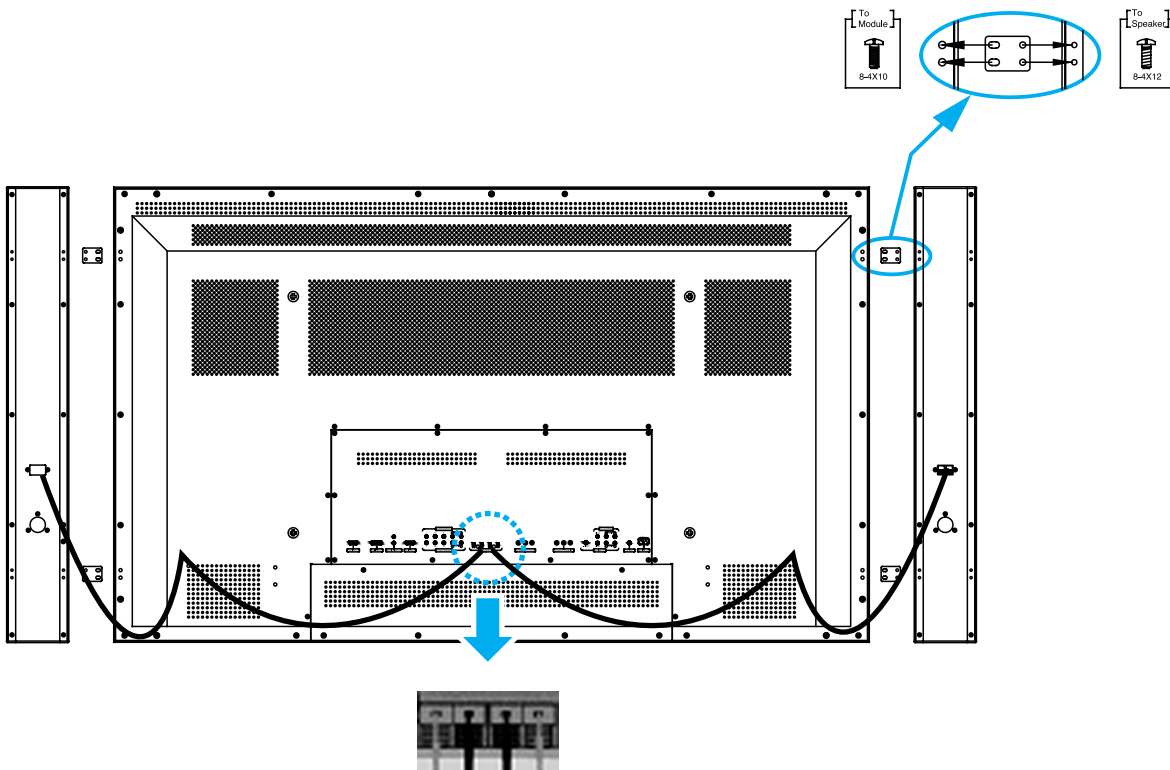
⑤ c—Screw Up (4 x 16)



Monitor Installation

Speaker Installation (optional)

► 42" Speaker Installation (Optional)

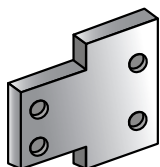


Caution

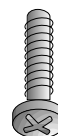
- **Be sure monitor power is turned off before making any connections.**
Place the speakers in the position you want. Install the speaker wires on the monitor and speaker. Be sure to connect the positive "+" wire to the "+" input and the negative "-" wire to the "-" input. Connect left monitor input 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.)
- **Always lift the monitor itself (not the speakers) when handling or moving the monitor after speakers have been installed.**

Monitor Installation

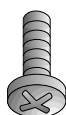
► Speaker Accessories



4-Iron Plates
(Mount speakers to monitor)



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



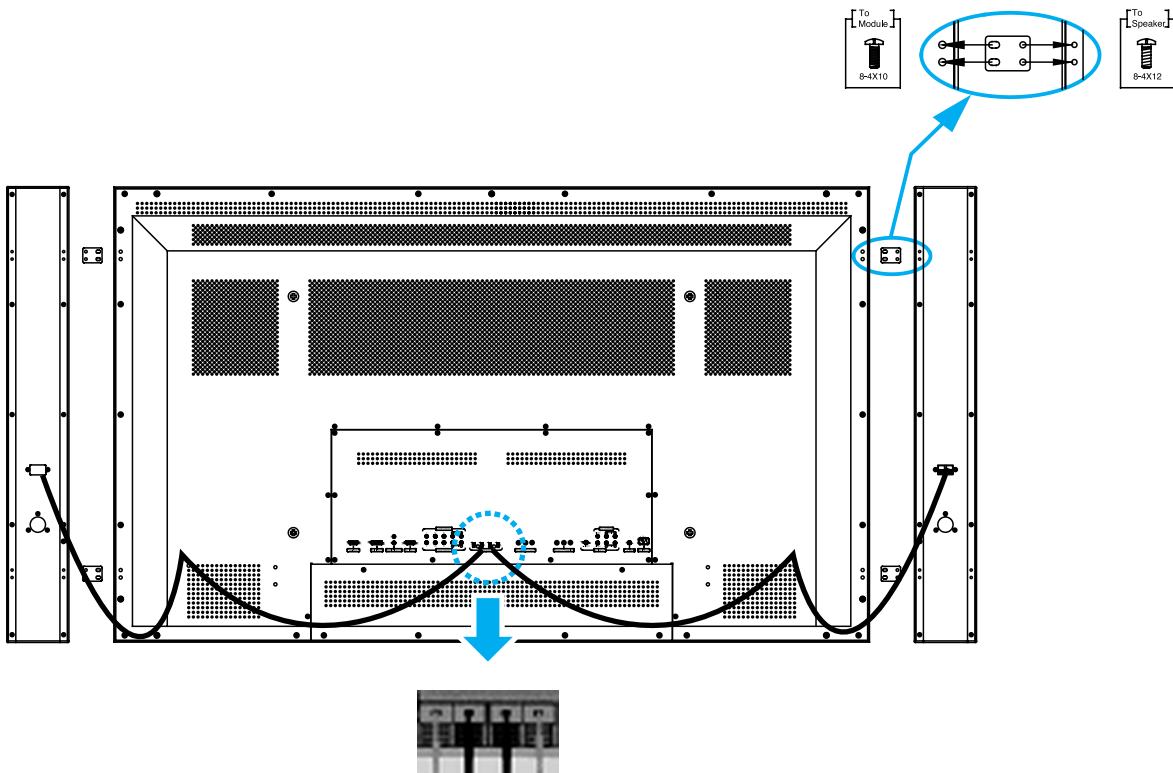
8-4 x 8 Short Bolts
(Attach iron plates to monitor)



2-Speaker Wires

Monitor Installation

► 50" Speaker Installation (Optional)



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



Caution

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

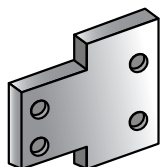
Place the speakers in the position you want. Install the speaker wires on the monitor and speaker. Be sure to connect the positive "+" wire to the "+" input and the negative "-" wire to the "-" input. Connect left monitor input to left speaker and right monitor input to right speaker. Any extra speaker 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.)

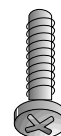
- **Always lift the monitor itself (not the speakers) when handling or moving the monitor after speakers have been installed.**

Monitor Installation

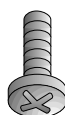
► Speaker Accessories



4-Iron Plates
(Mount speakers to monitor)



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

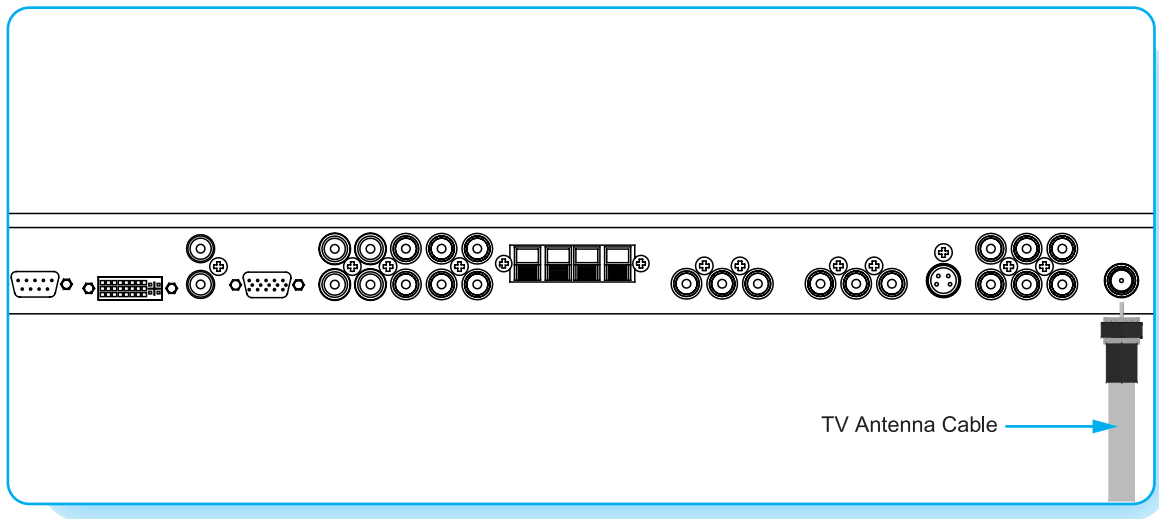


8-4 x 8 Short Bolts
(Attach iron plates to monitor)



2-Speaker Wires

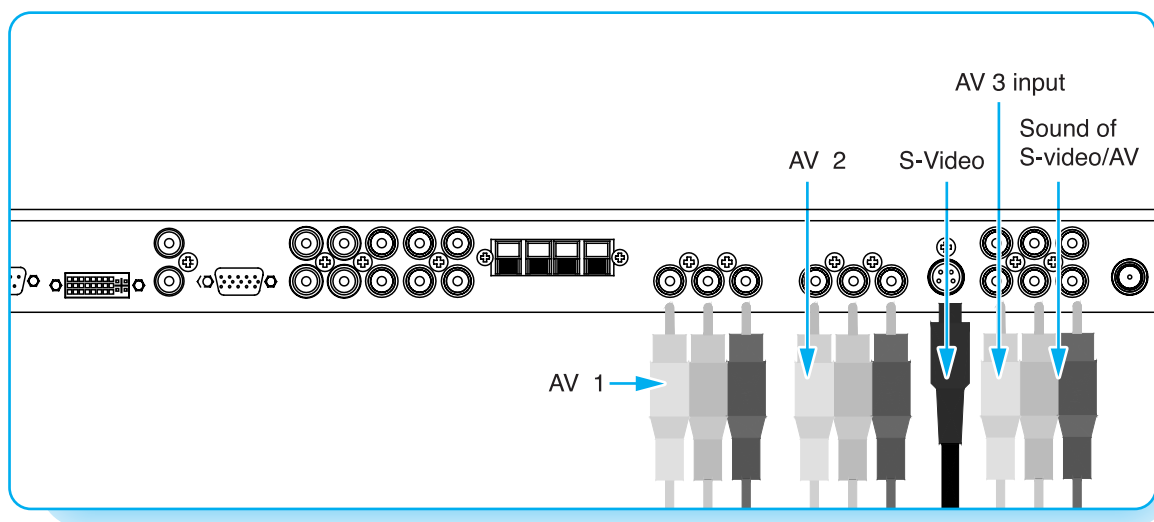
Watching TV



To watch TV

- 1 Connect the TV antenna cable to the TV input jack. Press INPUT button on the remote control and select TV on OSD.
- 2 Use CH+, CH- button or numeric button to change TV channel for your channel selection.
- 3 Press Pre.CH button on the remote control to tune the previous channel.
- 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



How to connect

With S-Video

Connect a S-Video cable to the S-Video jacks of the VCR and the PDP.

Connect L (White), R (Red) sound cable (composite) to the sound jacks of the VCR and the PDP.

With AV input

Connect a composite cable to the AV video jacks of the VCR and the PDP.

Connect L (White), R (Red) sound cable (composite) to the sound jacks of the VCR and the PDP.

To watch VCR

- 1 Press INPUT 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.



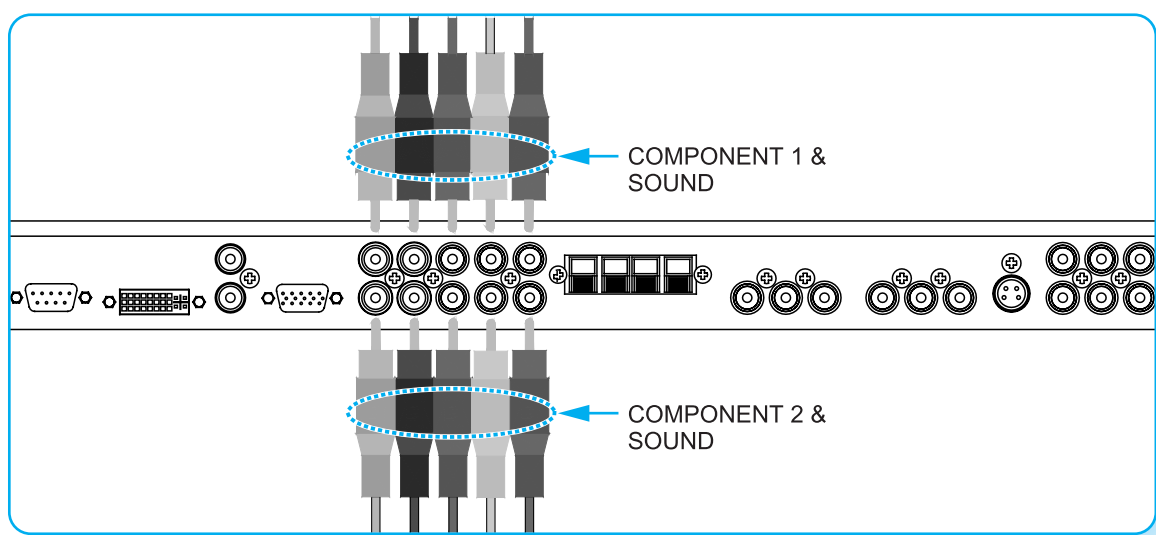
Notes

- **To avoid picture noise** (interference), leave an adequate distance(over 3m) between the VCR and monitor.
- When connecting the PDP with external equipments, match the colour of connecting ports (e.g. 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 PDP.
- If you connect an S-VHS VCR to the S-VIDEO input socket, you can get a better picture quality than normal video input (AV).
- **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 channel information is present.

Watching DVD

How to connect

- Connect the three separate component video cables to the DVD player's Y, Pb and Pr jacks and to the Component jacks on the PDP.
- Connect the audio cable to the DVD player's audio L (White) and R (Red) jacks and to the L and R audio jacks beside the Component jacks on the PDP.



How to use

- 1 Turn on the DVD player.
- 2 Press INPUT button on the remote control of the PDP and select Component1 or Component2.

Supported Signals for Component ports

	Component1	Component2
480i / 60Hz	O	O
480p / 60Hz	O	O
576i / 50Hz	O	O
576p / 50Hz	O	O
720p / 50Hz	O	O
720p / 60Hz	O	O
1080i / 50Hz	O	O
1080i / 60Hz	O	O

Component Input ports

You can get better picture quality if you connect DVD player with component input sockets 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 Db P _B	Pr R-Y Cr P _R



Notice

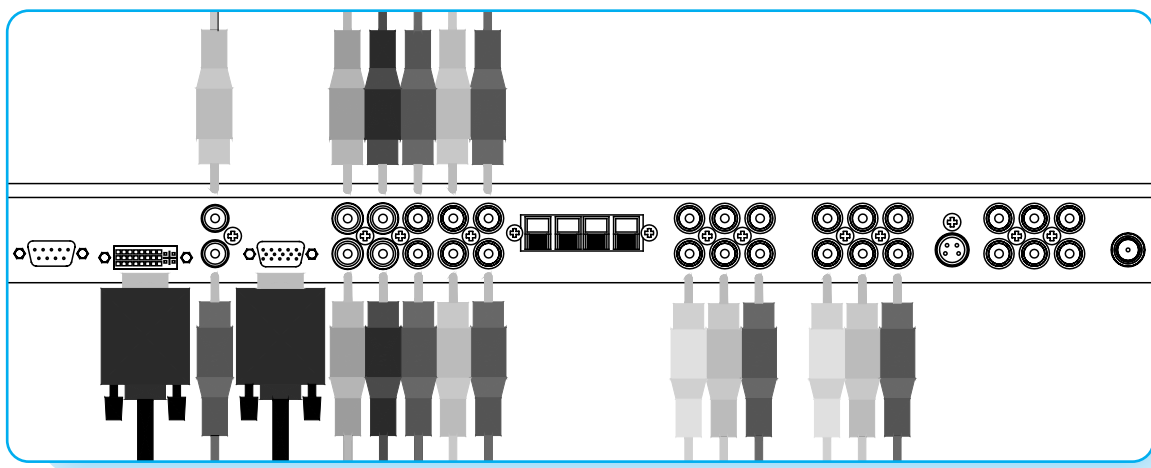
- Normal DVD source is based on 480i, which should be through normal YPbPr of Component signal.
- Component, PC, DVI ports can be displayed only 1 signal among them. If one of them is being displayed, other ports are unavailable.

Watching Set Top Box

How to connect

Connect Set Top Box video inputs to SCART, COMPONENT, PC or DVI jacks on the PDP.

Audio inputs to Audio sockets beside the **L** (White) and **R** (Red) audio jacks which you connect video inputs.



How to use

- 1 Turn on the Set Top Box.
- 2 Press INPUT button on the remote control of the PDP and select Component1, Component2, PC or DVI.

Supported Signals

	Component1	Component2	PC	DVI
480i/60Hz	O	O	X	X
480p/60Hz	O	O	O	O
576i/50Hz	O	O	X	X
576p/50Hz	O	O	O	O
720p/50Hz	O	O	O	O
720p/60Hz	O	O	O	O
1080i/50Hz	O	O	O	O
1080i/60Hz	O	O	O	O

How to connect

With Component

Connect a three separate component cables to the component jacks of the STB and the PDP.

Connect L (White) and R (Red) sound cables (composite) to the sound jacks of the STB and the PDP.

With RGB(D-Sub) or DVI

Connect a D-Sub or DVI cable to the AV video jacks of the STB and the PDP.

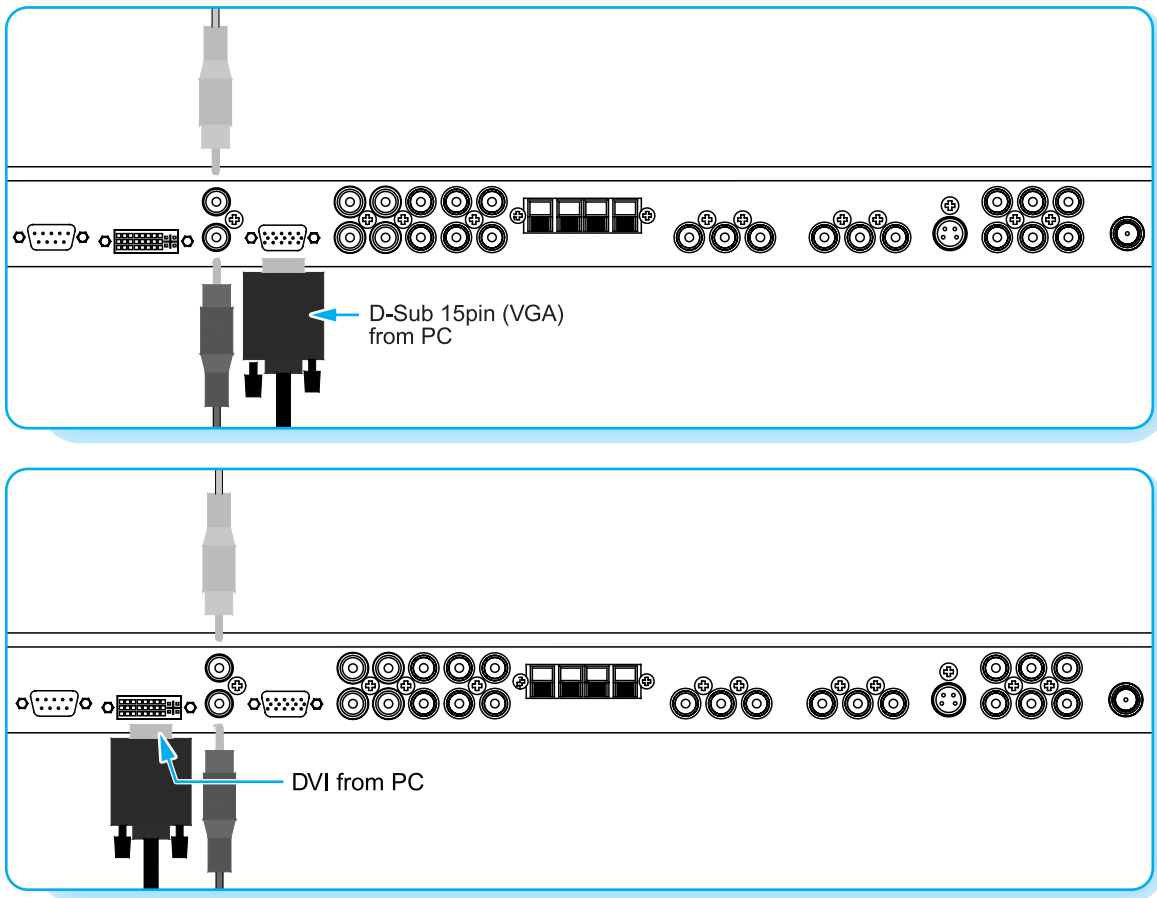
Connect L (White) and R (Red) sound cables (composite) to the sound jacks of the STB and the PDP.



Notice

- Component, PC and DVI ports can be displayed only 1 signal among them. If one of them is being displayed, other sockets are unavailable.

Connecting The PC (D-Sub and DVI)



▶ Connecting a PC to the PDP

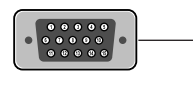
- There are two connectors to connect the PDP and PC: D-Sub and DVI.
- D-Sub
Connect a PC (15pin) video cable between the Video Output port on the PC and the PC port on the PDP.
- DVI
Connect a DVI-D cable between the DVI Output port on the PC and the DVI port on the PDP.

▶ Pin Configuration

15Pin Signal Cable (based on protruded pin)

▶ To watch the PC screen

- 1 Turn on the PDP and press INPUT button to select the PC MODE.
- 2 Turn on the PC and check for the PC requirements.
- 3 Adjust the PC screen in Geometry menu.



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	120.000
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
	0	0

• The PC signal is supported by DVI also.



Notes

- **Synchronization input form : separate**
- **852 x 480 : 42" Native Panel Resolution**
Horizontal Polarity is Positive(+)
Vertical Polarity is Negative(-)
- **1366 x 768 : 50" Native Panel Resolution**
Horizontal Polarity is Positive(+)
Vertical Polarity is Negative(-)
- The PDP recognizes 640x480@60Hz signal as 480p DTV signal. (They has almost same frequencies.) So the signal is expanded, please try other signals like 640x480@75Hz.
- 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.
- The PDP may operate abnormally if a non-standard video signal.
- "Out of range" message box will appear when an over-spec video signal is input. Change the video settings of PC when the message is displayed.

Basic Operation

Turning PDP TV On/Off

Press the Power button on the remote control. The PDP will turn on and you will be ready to use its features. You can also use the Power button on the front panel.

Select Source

Press INPUT button on the remote control. Then you can see the source list menu shown as below.



Source list menu

Select the source to watch with CH+/CH- button on the remote control and press the Menu/Set button.

TV Channel Selection

- 1 Connect the signal source (TV antenna) to TV input. Press INPUT button on the remote control and select TV on the source list.
- 2 Use CH+, CH- button or numeric button to change TV channel you want.
- 3 Press Pre.CH button on the remote control to watch the previous channel.
- 4 Also, you can tune the cable service, provided channels while using the cable box. For further information regarding cable TV service, contact your TV service provider(s).

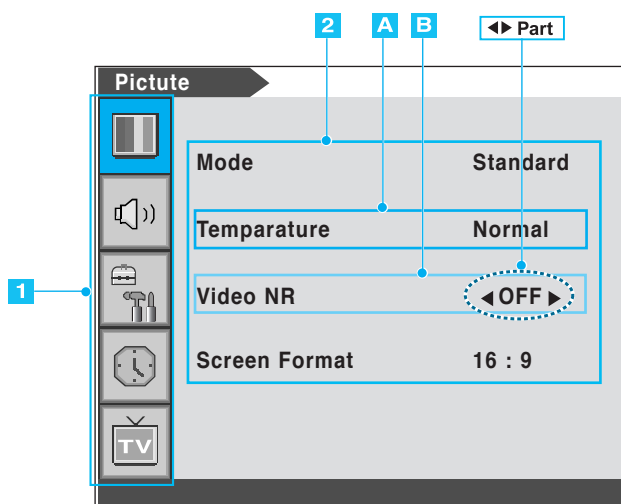
Volume Control

Use VOL+/VOL- button on the remote control to adjust the volume level. Press MUTE button on the remote control when you need to cut the sound temporarily.

OSD Menu 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 to see the main OSD menu.

▶ EXAMPLE of OSD Menu



1 Main Menu

Press Menu/Set button on the remote control to enter the main OSD menu.
First, select Main menu item you need with CH+/CH- key.
To select a main menu items, just press VOL+ or Menu/Set button on the Remote Control.

2 Sub Menu

Each menu item has its own sub menu items to set.

3 Sub Menu items

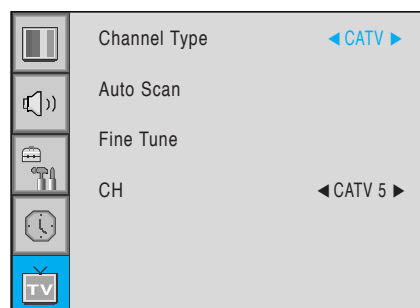
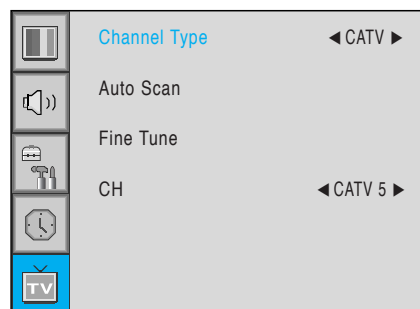
- A : If there is no ◀▶ part, the item has an under menu.
You can enter the under menu and adjust an item you need.
Select sub-menu item with CH+/CH- button on the remote control and press VOL+ or Menu/Set button to enter the submenu.
- B : If there is a ◀▶ part, you can set the item by selecting ◀▶. Ex) ◀ ON ▶ or ◀ OFF ▶
Press VOL+ or Menu/Set button to set a ◀▶ part, and adjust it with CH+/CH- key.

CHANNEL (TV)

► Channel Type

Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV (i.e., an antenna, a standard cable system, an HRC, or an IRC).

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the TV main menu item.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Channel Type** and press VOL+ button to enter the ◀▶ parts. Then the cursor moves into the ◀▶ parts.
- 5 Select the channel type with CH+/CH- button and press BACK button. You can select AIR, CATV (Cable TV), IRC or HRC.



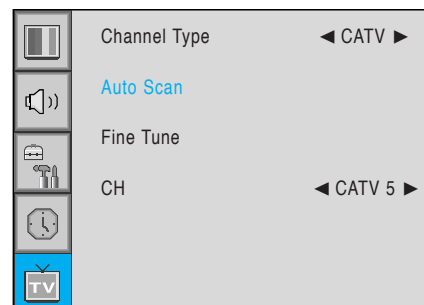
Notes

- You can enter the TV menu in TV mode only. (When you watch a TV channel.)

CHANNEL (TV)

► Auto Scan

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the TV Main menu.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Auto Scan** with CH+/CH- button and press Menu/Set button on the remote control. Then the tuning bar will appear and scanning will start.



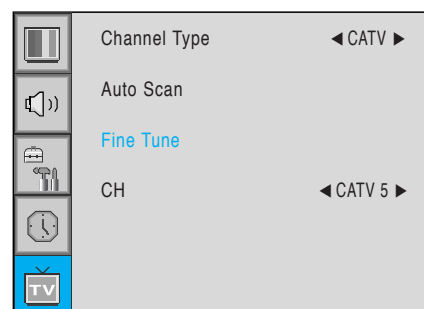
Notes

- Only scanned channels can be stored as Favorite channels.

► Fine Tune

The Fine Tuning function lets you manually adjust the PDP's tuner if you have difficulty tuning analog Channels. Press Menu/set button to display the main OSD menu.

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the TV main menu item.
- 3 Press Menu/Set to enter the Fine tune sub menu.
- 4 Select **Fine tune** with CH+/CH- button and press Menu/Set button. Then you can see the adjust bar.
- 5 Adjust the fine tune with VOL+ or VOL- button.

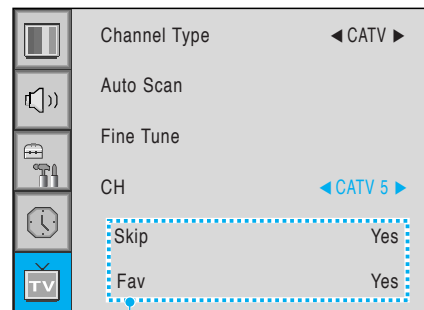
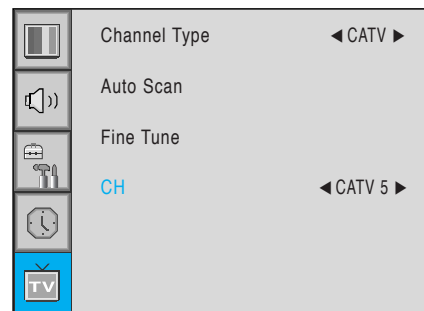


CHANNEL (TV)

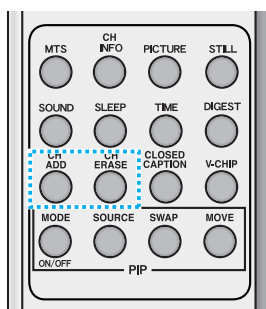
► Set the favorite channel

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 to display the main OSD menu.
- 2 Select the TV main menu.
- 3 Press Menu/Set to enter the TV sub menu.
- 4 Select **CH** and press the Menu/Set button.
Then the cursor moves into the ◀▶ parts and the **Skip** and **Fav** menu appear.
- 5 In the ◀▶ parts , select the channel to skip or set as the favorite channels.
- 6 Then press CH- button on the remote control to enter the sub menu.
- 7 In sub menu, move with CH- and CH+ button and set the values with VOL+ and VOL- button.



Sub menu appears



You can add or erase the current channel by the remote control.

- 1 **CH ADD**
Add the current channel into the scanned channel list.
- 2 **CH ERASE**
Remove the current channel from the scanned channel list.



Notes

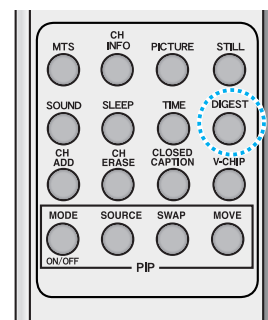
- Only scanned channels can be set as Favorite Channels.

CHANNEL (TV)

▶ Digest

In the Digest function, you can watch 9 programs at the same time. (This function works only in TV mode)

- 1 Press the Digest button on the Remote Control.
- 2 By pressing the channel number, the selected channel becomes main window.
- 3 You can make off the Digest Function by pressing Digest button again.



Only memorized channels can be displayed in the Digest Function.

15 windows are available for 50" and 63" Plasma TV.



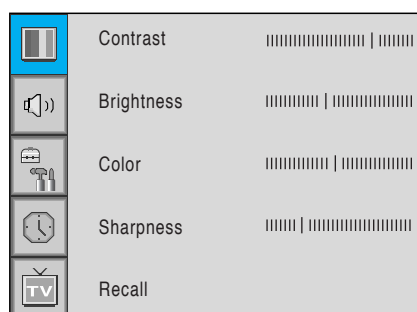
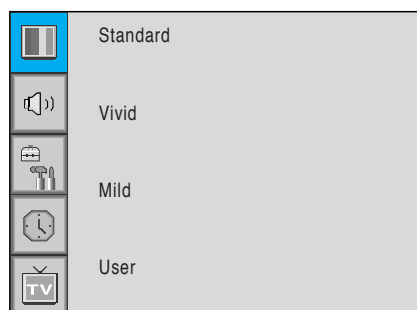
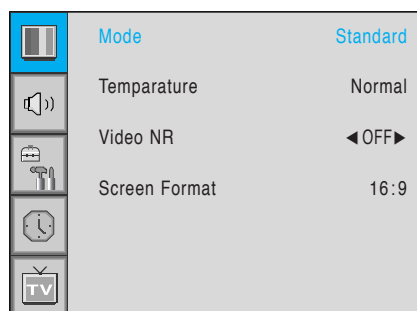
► Mode

Your PDP has 3 automatic factory preset picture settings (“**Standard**”, “**Vivid**” and “**Mild**”).

You can choose **Standard**, **Vivid** or **Mild** by pressing “Picture” button on the remote control (or by making a selection from the menu). Or you can select **USER** which automatically recalls your personalized picture setting.

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the picture main menu.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Mode** and press Menu/Set to enter the sub menu. Then the picture sub mode appear.
- 5 Select the picture mode and press Menu/Set button.
- 6 You will see the picture setting bars.
Just Press BACK button on the remote control.
You can adjust each values of the picture setting,
but the changed values are stored as in USER mode.

**USER mode require more settings.
It has an under menu: See next page.**



Notes

- **Alternative method** : Just press the "Picture" button on the remote control. Each time it is pressed, different mode is selected.

PICTURE

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

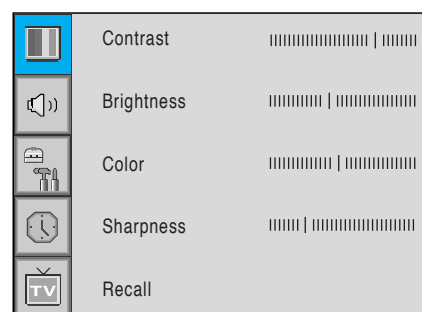
▶ Adjust USER Mode

You can change the Contrast, Brightness, Color, and Sharpness according to personal preference in USER mode.

- 1 Select the item to adjust with CH-, CH+ button.
- 2 Press Menu/Set button.
- 3 Adjust the item with VOL-, VOL+ button.
- 4 To cancel all adjust, select **Recall** and press Menu/Set button.

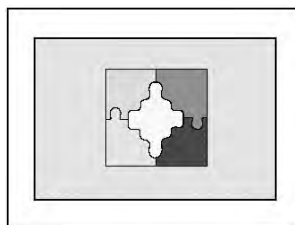
To more detail description about these item,
refer to the next page

Select USER mode (Previous page)

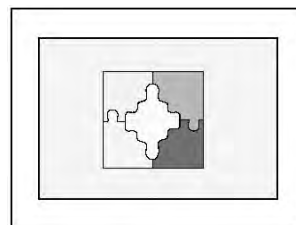


► Contrast

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



Distinct ◀



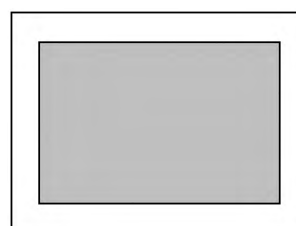
► Vague

► Brightness

Adjust brightness of the screen.



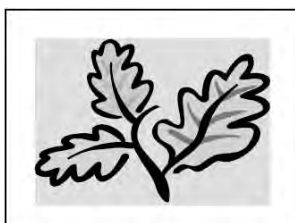
Dark ◀



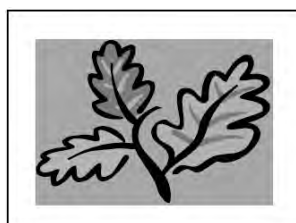
► Bright

► Color

Adjust deep and light color of the screen.



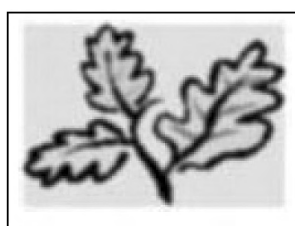
Decrease ◀



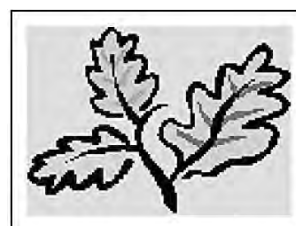
► Increase

► Sharpness

Adjust vividness of the screen.



Less sharp ◀



► Sharp

PICTURE

► Temperature

Your PDP has 5 screen temperatures (color settings):

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the picture main menu.
- 3 Press Menu/Set to enter the picture menu.
- 4 Select **Temperature** and press Menu/Set to enter the under menu. Then the Picture-Temperature under menu appear.
- 5 Select the Temperature mode with CH-/CH+ button and press Menu/Set button.
- 6 Press BACK button to return.

► Warm 1, 2

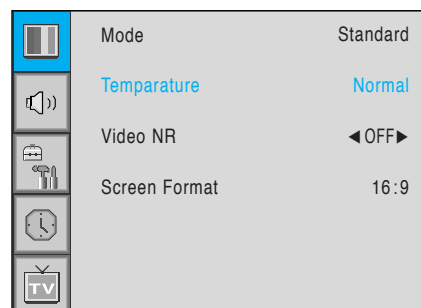
Screen seems warm: Strong Red

► Normal

Normal: Factory default.

► Cool 1, 2

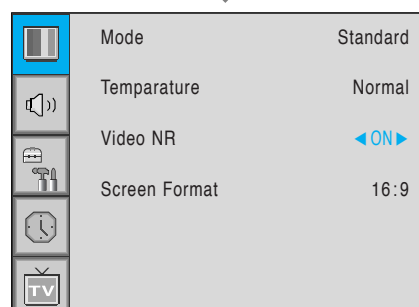
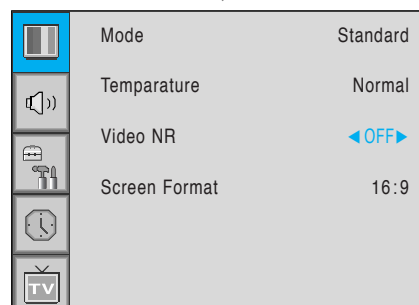
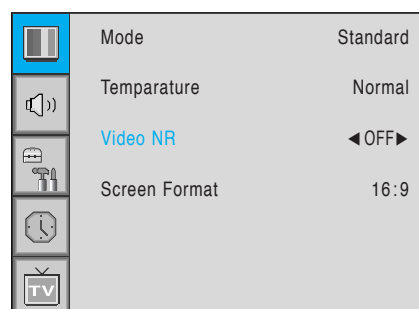
Screen seems cool: Strong Blue



▶ 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 to display the main OSD menu.
- 2 Select the picture main menu item.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Video NR** and press VOL+ button to enter the ◀▶ parts. Then the cursor moves into the ◀▶ parts.
- 5 Turn on or off Video NR function with CH+/CH- button and press BACK button.

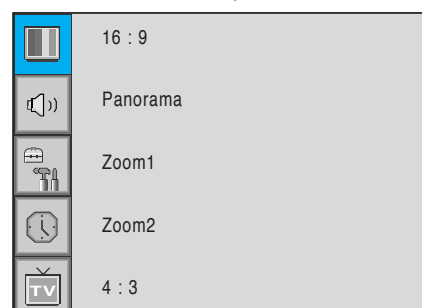
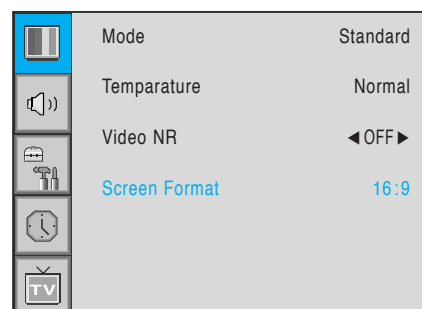


PICTURE

► Screen Format

Your PDP has four Screen Formats: **16:9**, **PANORAMA**, **ZOOM1**, **ZOOM2**, **4:3**.
(For more detail description for these modes, refer to the next page.)

- 1 Press Menu/Set button to display the main OSD menu.
- 2 Select the picture main menu.
- 3 Press Menu/Set to enter the picture menu.
- 4 Select **Screen Format** and press Menu/Set to enter the under menu. Then the Screen Format under menu appear.
- 5 Select the screen format you want and press Menu/Set button.

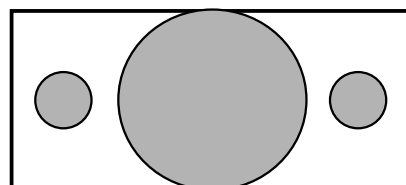


► Screen Format Description

16 : 9

16:9 video: No change.

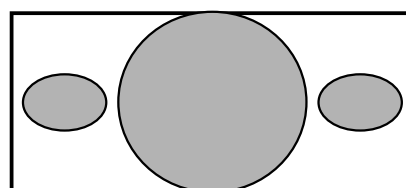
4:3 video: Expands 4:3 video signal horizontally to fit the 16 : 9 screen.



Panorama

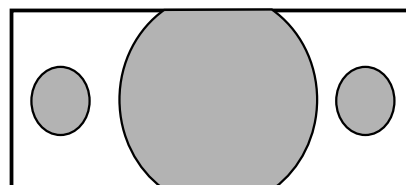
16:9 video: No change.

4:3 video: Expands 4:3 video horizontally to fit the 16 : 9 screen and to minimize distortion, sides are expanded more than center.



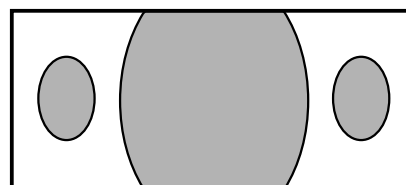
Zoom 1

Expands 16 : 9 mode screen vertically.



Zoom 2

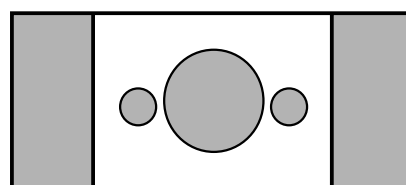
Expands zoom 1 mode screen vertically.



4 : 3

16:9 video: The image is suppressed.

4:3 video: No expansion. There are gray areas besides the image.



PICTURE (PC)

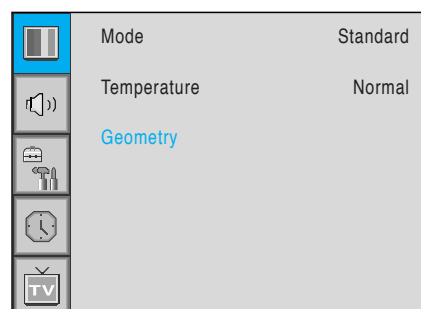
In PC mode, you can adjust the H,V-Position, Native Mode, Native H-Size and Phase. Also you can adjust them automatically.

► Geometry

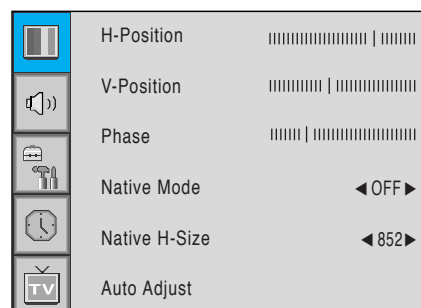
You can change H, V-Position, Native Mode, Native H-Size and Phase in PC mode like usual PC monitors.

You can also adjust them automatically. (Auto adjust function.)

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the picture main menu with CH+, CH- button.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Geometry** and press Menu/Set to enter the under menu. Then the picture Geometry under menu will appear.



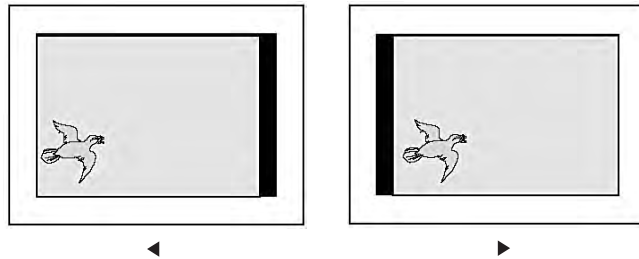
- 1 Select the item to adjust with CH-, CH+ button.
- 2 Press Menu/Set button.
- 3 Then the cursor moves on the bar and you can adjust the value with VOL-, VOL+ button.
- 4 To adjust these items, automatically, select **Auto Adjust** and press Menu/Set button.



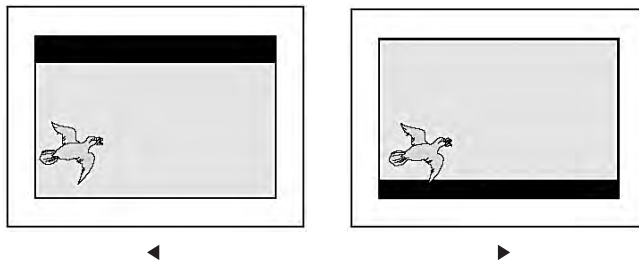
For more detail description refer to the next page.

PICTURE (PC)

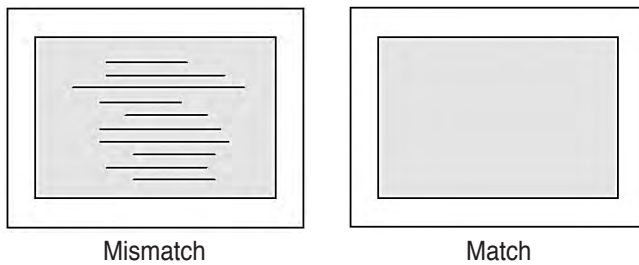
► H-POSITION



► V-POSITION



► PHASE



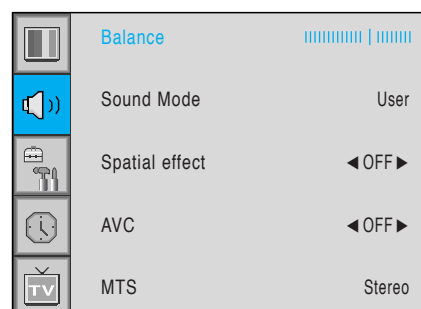
SOUND

In **SOUND Menu**, you can adjust **balance**, **MTS (Multi-Track Sound)**, **AVC (Auto Volume Control)** and select the equalizer settings.

► Balance

This control allows you to adjust the balance of the left and right speaker output.

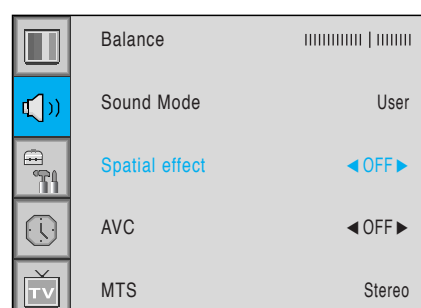
- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the **SOUND** main menu.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Balance** and press Menu/Set button.
- 5 Adjust the balance with **VOL-**, **VOL+** button and press Menu/Set button.



► Spatial Effect

This function can create surround effect such as the sound seems to come from all directions.

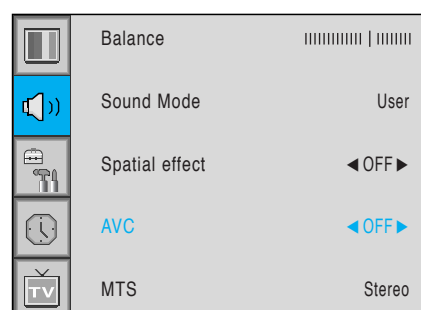
- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the **SOUND** main menu item with **CH+/CH-** button.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Spatial effect** and press **VOL+** button.
- 5 Turn on or off **Spatial effect** function with **CH+/CH-** button and press Menu/Set button.



► AVC (Auto Volume Control)

This function adjust sound volume level automatically depending on the source.

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the **SOUND** main menu.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **AVC** and press **VOL+** button to enter the ◀▶ parts. Then the cursor moves into the ◀▶ parts.
- 5 Turn on or off **AVC** function with **CH+/CH-** button and press **BACK** button.

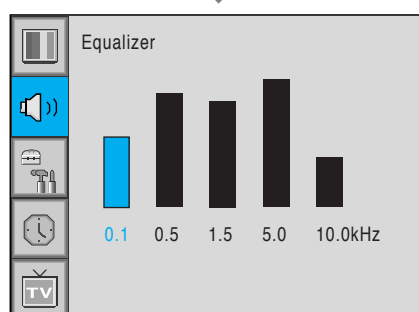
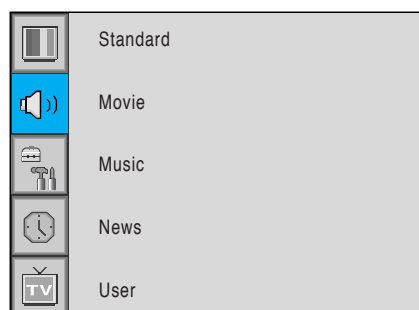
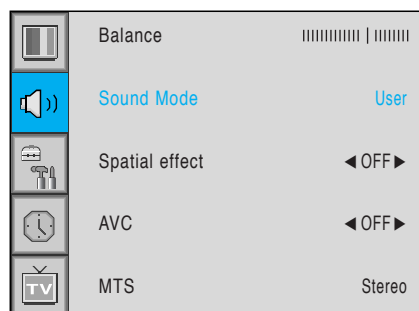


► Sound Mode

Your PDP has four automatic sound settings ("Standard", "Movie", "Music" and "News") that are preset at the factory. You can activate either Standard, Movie, Music or News 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 to display the main OSD menu.
- 2 Select the SOUND main menu.
- 3 Press Menu/Set button to enter the sub menu.
- 4 Select **Sound Mode** and press Menu/Set to enter the sub menu. Then the Mode sub menu appear.
- 5 Select the **Equalizer** setting and press Menu/Set button.
- 6 You will see the Equalizer bars. Just press BACK button on the remote control. You can adjust each values of Equalizer, but the changed values are stored as in USER mode.

**USER mode require more settings.
It has sub menu: See next page.**



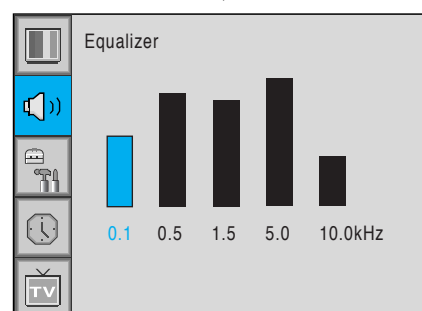
SOUND

► User Adjust

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

- 1 Equalizer menu appear when you select USER mode.
- 2 Select a gain bar with VOL+, VOL- button on the remote control and adjust it with CH+/CH- button.
- 3 Press BACK or BACK button on the remote control to exit Equalizer. The result will be saved automatically.

Select USER mode (Previous page)

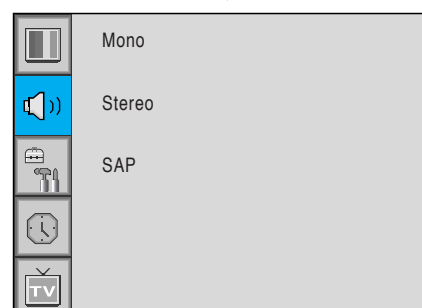
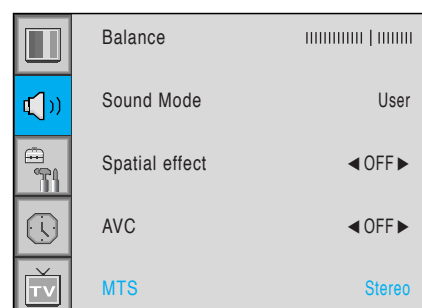


► MTS

Select sound signal format from the input source. There are Mono, Stereo, SAP sound formats.

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the SOUND main menu with CH+/CH- button on the remote control.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **MTS** and press Menu/Set to enter the sub menu. Then the MTS sub menu appear.
- 5 Select the MTS format with CH+/CH- and press Menu/Set button.

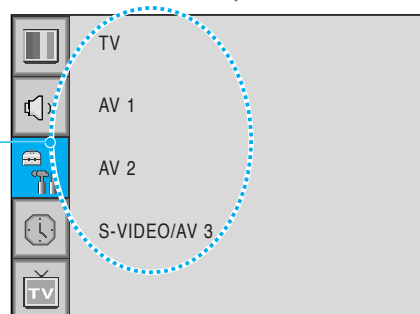
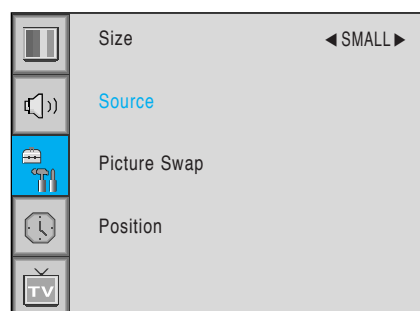
The available sound formats are displayed. Usually, you can see Mono and Stereo.



▶ Source in PIP

Change the source of the PIP window.

- 1 Select **Source** and press Menu/Set to enter the sub menu. Then the PIP sub menu appear.
- 2 The available sources will be displayed. Select the source and press Menu/Set button.



This picture is an example.
The displayed sources may be
different depending on the
main input source.

PIP \ Main	TV	AV 1	AV 2	S-Video/AV 3	Componet1	Componet2	PC	DVI
TV	O	O	O	O	O	O	O	O
AV 1	O	X	O	O	O	O	O	O
AV 2	O	O	X	O	O	O	O	O
S-Video/AV 3	O	O	O	X	O	O	O	O
Componet1	O	O	O	O	X	X	X	X
Componet2	O	O	O	O	X	X	X	X
PC	O	O	O	O	X	X	X	X
DVI	O	O	O	O	X	X	X	X

▶ Picture Swap in PIP (Picture In Picture)

Swap the sources of the main screen and the PIP window.

Select Picture Swap and press Menu/Set button.

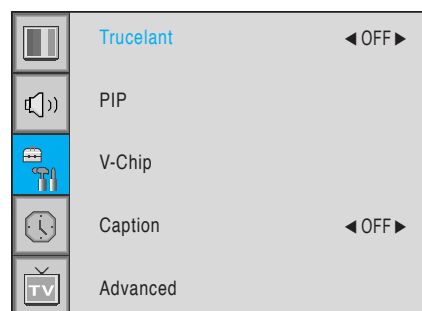
SET UP

In SET UP menu, you can adjust the transparency of the OSD menu and set PIP and others.

▶ Translucent

Adjust the transparency of the OSD menu. There are 8 step from OFF to 7.

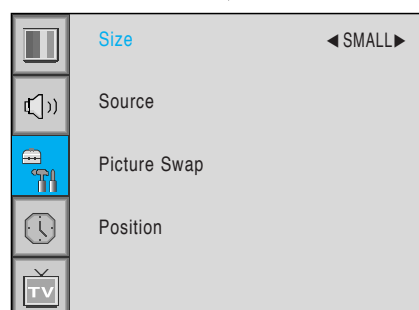
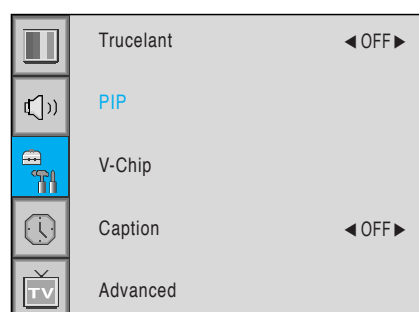
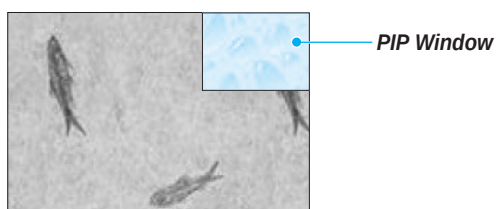
- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the SET UP main menu with CH+/CH- button on the remote control.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Translucent** and press VOL+ button to enter the ◀▶ parts. Then the cursor moves into the ◀▶ parts.
- 5 Adjust with CH+/CH- button and press EXIT button.



▶ PIP (Picture In Picture)

You can watch two channels or sources at the same time. And set up PIP size and position.

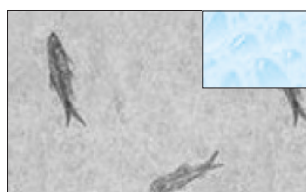
- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the SET UP main menu with CH+/CH- button on the remote control.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **PIP** and press Menu/Set to enter the sub menu. Then the PIP sub menu appear.



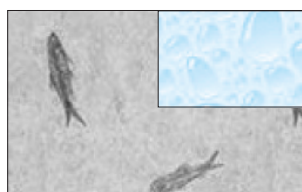
▶ Size in PIP (Picture In Picture)

Change the size of the PIP window. There are 3 sizes: SMALL, Large, Twin.

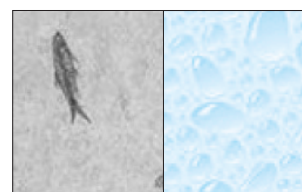
- 1 Select **Size** and press VOL+ button to enter the ◀▶ parts. Then the cursor moves into the ◀▶ parts.
- 2 Adjust size function with CH+/CH- button and press Menu/Set button.



SMALL



LARGE



TWIN



Caution

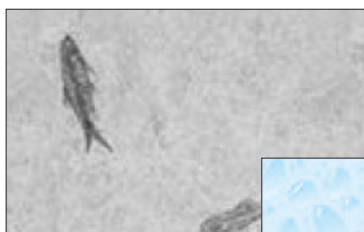
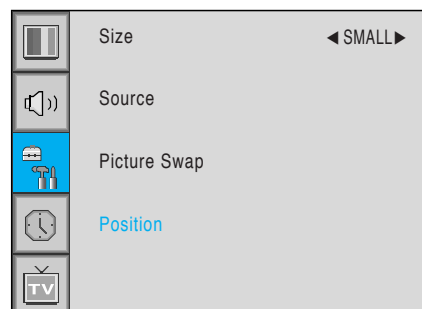
- Burn protection function is not working in the PIP window. So do not use PIP mode for a long time to avoid Image sticking.

SET UP

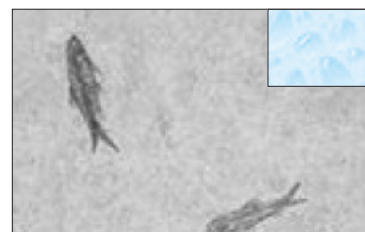
► Position in PIP

Change the position of the PIP window.

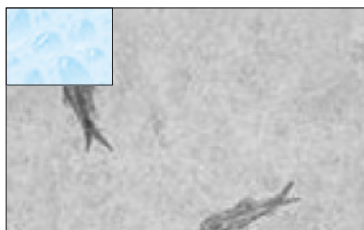
- 1 Select **Position** with CH+/CH- button on the remote control and press Menu/Set to enter the sub menu. Then the PIP sub menu appear.
- 2 In Sub Menu, there are four positions. Select the position with CH+/CH- button on the remote control and press BACK button.



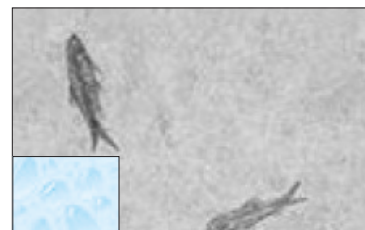
Right Down



Right Up



Left Up

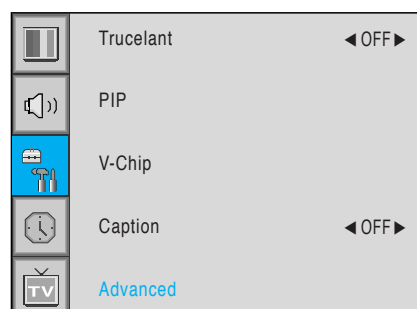


Left Down

▶ **Advanced**

You can set up ID, Burn Protect, Burn Clear, Blue Back, Language and Child Lock in Advanced Menu.

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the SET UP main menu with CH+ / CH- button on the remote control.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Advanced** and press Menu/Set to enter the Advanced menu.
Then the Advanced sub menu appear.



▶ **Set ID in Advanced**

Set the ID of PDP for mass-controlling through the serial port.

- 1 Select **Set ID** and press VOL+ button to enter the ◀▶ part. Then the cursor moves into the ◀▶ part.
- 2 Adjust with CH+ / CH- button and press BACK button.



SET UP

▶ **Burn Protect in Advanced**

PDP may be damaged from displaying a static image long time (over 30 minute). It is called as image sticking, and Burn protect function moves image regularly to relieve image sticking.

You can set the moving range of the Burn Protection function (How much the image will move.).

Burn Protection function moves image 1 pixel per 2 minute, and after moving the set range, image starts to go back to the original position.

- 1 Select **Burn Protect** menu and press VOL+ button to enter the ◀▶ parts.
Then the cursor moves into the ◀▶ parts.
- 2 Turn the function on or off with CH+/CH- button and press BACK button.

	Set ID	◀ 99 ▶
	Burn Protect	◀ ON ▶
	Burn Clear	◀ OFF ▶
	Blue Back	◀ OFF ▶
	Language	◀ ENGLISH ▶
	Child Lock	◀ OFF ▶

▶ **Blue Back in Advanced**

You can set to display blue-color screen instead of noise screen.

- 1 Select **Blue Back** and press VOL+ button to enter the ◀▶ parts. Then the cursor moves into the ◀▶ parts.
- 2 Turn the function on or off with CH+/CH- button and press BACK button.

	Set ID	◀ 99 ▶
	Burn Protect	◀ ON ▶
	Burn Clear	◀ OFF ▶
	Blue Back	◀ OFF ▶
	Language	◀ ENGLISH ▶
	Child Lock	◀ OFF ▶

► Language in Advanced

Set the language to use in OSD.

Supported languages are English, French, German, Spanish, Italian.

- 1 Select **Language** and press VOL+ button to enter the ◀▶ parts. Then the cursor moves into the ◀▶ parts.
- 2 Choose the Language with CH+ / CH- button and press BACK button.

	Set ID	◀ 99 ▶
	Burn Protect	◀ ON ▶
	Burn Clear	◀ OFF ▶
	Blue Back	◀ OFF ▶
	Language	◀ ENGLISH ▶
	Child Lock	◀ OFF ▶

► Child Lock in Advanced

Lock the OSD panel of the PDP monitor. It can protect the PDP monitor from children's power on/off or other operation by miss.

- 1 Select **Child Lock** and press VOL+ button to enter the ◀▶ parts. Then the cursor moves into the ◀▶ parts.
- 2 Turn the function on or off with CH+/CH- button and press BACK button.

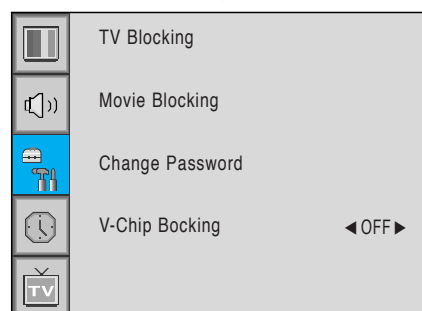
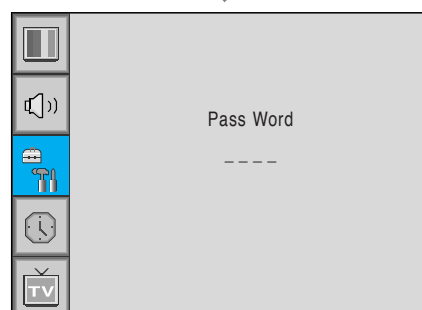
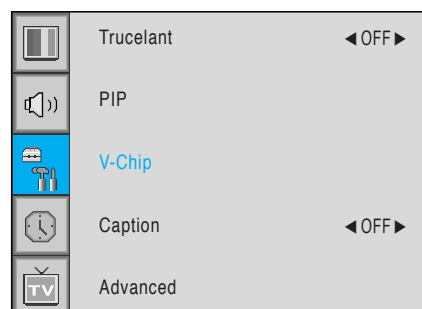
	Set ID	◀ 99 ▶
	Burn Protect	◀ ON ▶
	Burn Clear	◀ OFF ▶
	Blue Back	◀ OFF ▶
	Language	◀ ENGLISH ▶
	Child Lock	◀ OFF ▶

SET UP

▶ V-Chip (TV parental Guidelines)

Parental restrictions can be set up using either of two methods: The TV guidelines or the MPAA rating.

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the SET UP main menu with CH+/CH- button on the remote control.
- 3 Press Menu/Set to enter the sub menu.
- 4 After enter the password, the V-Chip sub menu appear.



Caution

- The factory default number is 0000 and the master button number is 9673.

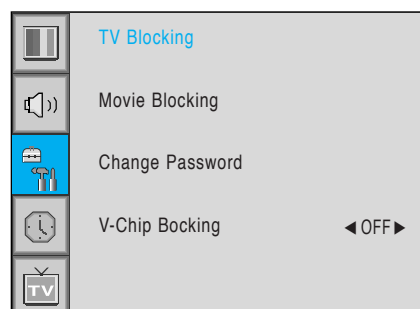
TV Blocking in V-Chip

You can set up Restrictions Using the "TV Parental Guidelines" of FCC.

- 1 Select **TV Blocking** with CH+/CH- button on the remote control and press Menu/Set to enter the sub menu. Then the TV Blocking sub menu appear.
- 2 You can independently lock the TV ratings. The locked TV (FCC) ratings are indicated by the symbol .
- 3 Press CH+/CH-/VOL+/VOL- buttons and the Menu/Set button to activate the appropriate restrictions for TV (FCC) rating system.

Note: These categories consist of two separate groups: TV-Y and TV-Y7 (young children through age 7), and TV-G through TV-MA (everybody else).

The restrictions for these two groups work independently: If a household includes very young children as well as young adults, the TV guidelines must be set up separately for each age group.

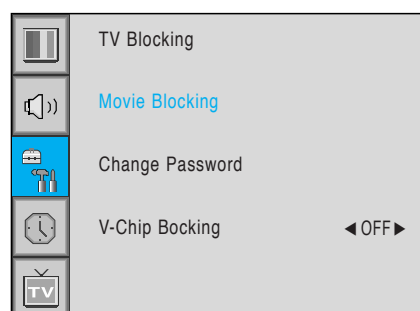


	Block	FV	D	L	S
TV-Y					
TV-Y7					
TV-G					
TV-PG					
TV-14					
TV-MA					

Movie Blocking in V-Chip

The Movie Blocking uses the Motion Picture Association of America (MPAA) system, and its main application is for movies. When the Rating Controls is on, the TV will automatically block any programs that are coded with objectionable ratings (either MPAA or TV-Ratings).

- 1 Select **Movie Blocking** with CH+/CH- button on the remote control and press Menu/Set to enter the sub menu. Then the Movie Blocking sub menu appear.
- 2 You can independently lock the TV ratings. The locked Movie (FCC) ratings are indicated by the symbol .
- 3 Press CH+/CH- buttons and the Menu/Set button to activate the appropriate restrictions for MPAA rating system.

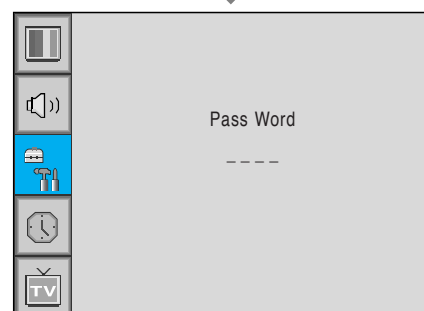
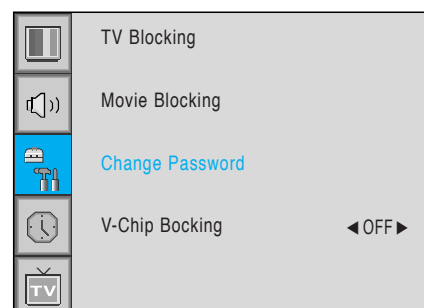


	Block
MPAA-G	
MPAA-PG	
MPAA-PG-B	
MPAA-R	
MPAA-R	
MPAA-NC	
MPAA-X	
MOZZ-NR	

SET UP

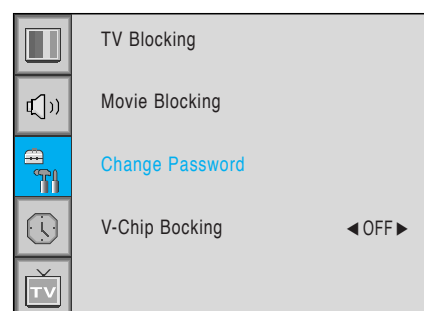
► Change Password in V-Chip

- 1 Select **Change Password** with CH+/CH- button on the remote control and press Menu/Set to enter the sub menu. Then the Pass Word change sub menu appear.
- 2 Enter the new password with numeric buttons on the remote control.



► V-Chip Blocking in V-Chip

- 1 Select **V-Chip Blocking** with CH+/CH- buttons on the remote control.
- 2 Enter to the <▶> part by pressing VOL+ button. Then the cursor moves into the <▶> parts.
- 3 ON / OFF the V-Chip Blocking with CH+/CH- buttons.
- 4 Exit with Back button on the remote control.



In the **TIME** menu, you can set the current time and auto power on / off.

► Time Set

Set the current time.

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the **TIME** main menu.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Time Set** by pressing VOL+ button.
- 5 Move the cursor by pressing VOL-, VOL+ button and adjust time by CH+, CH- button.

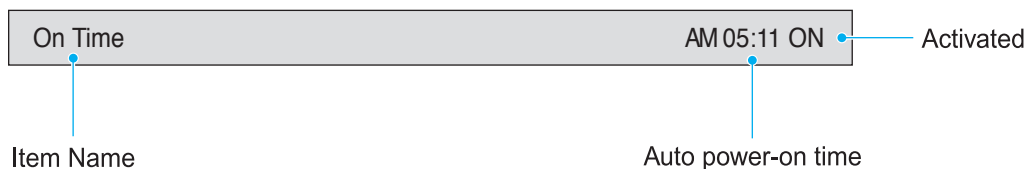
	Time Set	AM 03:29
	On Time	AM 05:11 ON
	On Channel	◀ 99 ▶
	On Volume	◀ 100 ▶
	Off Time	AM 05:11 OFF
	Sleep	◀ OFF ▶

► 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 Time as described previously.

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the **TIME** main menu with CH+/CH- button on the remote control.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **On Time** with CH+/CH- button and press VOL+ button.
- 5 Move the cursor by VOL-, VOL+ button and adjust time by CH+, CH- button.

	Time Set	AM 03:29
	On Time	AM 05:11 ON
	On Channel	◀ 99 ▶
	On Volume	◀ 100 ▶
	Off Time	AM 05:11 OFF
	Sleep	◀ OFF ▶



TIME

► On Channel

Set the channel when PDP power turn on automatically.

- Available only when the Time is set and **On Time** is ON.

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the **TIME** main menu with CH+/CH- button on the remote control.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **On Channel**.
- 5 Enter to the ◀▶ part with VOL+ button. Then the cursor moves into the ◀▶ parts.
- 6 Adjust the channel with CH+/CH- button. Press BACK button to return.

	Time Set	AM 03:29
	On Time	AM 05:11 ON
	On Channel	◀ 99 ▶
	On Volume	◀ 100 ▶
	Off Time	AM 05:11 OFF
	Sleep	◀ OFF ▶

► On Volume Set the sound volume level when PDP power on automatically.

- Available only when the Time is set and **On Time** is ON.

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the **TIME** main menu with CH+/CH- button on the remote control.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **On Volume**.
- 5 Enter to the ◀▶ part by pressing VOL+ button. Then the cursor moves into the ◀▶ parts.
- 6 Adjust the sound volume level with CH+/CH- button.

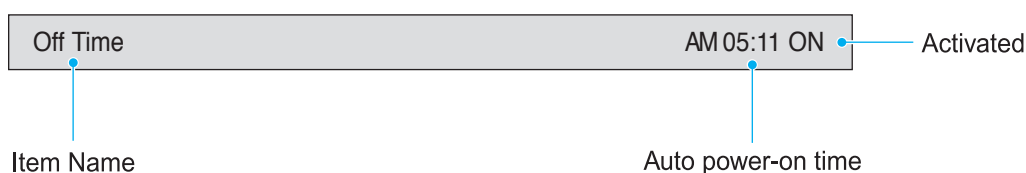
	Time Set	AM 03:29
	On Time	AM 05:11 ON
	On Channel	◀ 99 ▶
	On Volume	◀ 100 ▶
	Off Time	AM 05:11 OFF
	Sleep	◀ OFF ▶

► 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.

- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the **TIME** main menu with CH+/CH- button on the remote control.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Off Time** with CH+/CH- button on the remote control and press VOL+ button.
- 5 Move the cursor with VOL-/VOL+ button and adjust time with CH+/CH- button.

	Time Set	AM 03:29
	On Time	AM 05:11 ON
	On Channel	◀ 99 ▶
	On Volume	◀ 100 ▶
	Off Time	AM 05:11 OFF
	Sleep	◀ OFF ▶



► Sleep

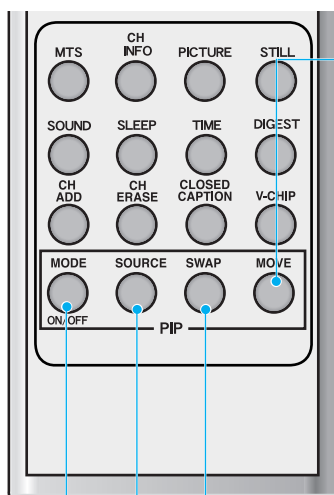
You can set your PDP to automatically turn off after a preset interval.

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. The time period runs from OFF(0min) to 180min. (OFF, 10min, 20, 30, 60, 90, 120, 150, 180)

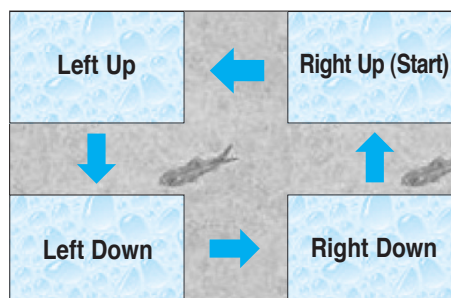
- 1 Press Menu/set button to display the main OSD menu.
- 2 Select the **TIME** main menu. with CH+/CH- button on the remote control.
- 3 Press Menu/Set to enter the sub menu.
- 4 Select **Sleep** with CH+/CH- button on the remote control and press VOL+ button.
- 5 Enter to the ◀▶ part with VOL+ button. Then the cursor moves into the ◀▶ parts.
- 6 Set the time period with CH+/CH- button.
- 7 Press BACK button to return.

	Time Set	AM 03:29
	On Time	AM 05:11 ON
	On Channel	◀ 99 ▶
	On Volume	◀ 100 ▶
	Off Time	AM 05:11 OFF
	Sleep	◀ OFF ▶

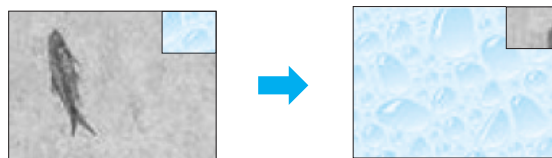
Viewing the Picture-in-Picture



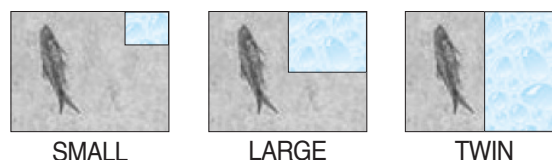
Move key : Move the position of PIP window.



Swap key : Swap the sources of the main screen and PIP window.



MODE KEY : Change the PIP window mode.
OFF → SMALL → LARGE → TWIN



Source key : Change the source of the PIP window. The available sources are shown as below.

PIP \ Main	TV	AV 1	AV 2	S-Video/AV 3	Componet1	Componet2	PC	DVI
TV	O	O	O	O	O	O	O	O
AV 1	O	X	O	O	O	O	O	O
AV 2	O	O	X	O	O	O	O	O
S-Video/AV 3	O	O	O	X	O	O	O	O
Componet1	O	O	O	O	X	X	X	X
Componet2	O	O	O	O	X	X	X	X
PC	O	O	O	O	X	X	X	X
DVI	O	O	O	O	X	X	X	X

Specification – 40 Inch LCD (1)

Function and Display Specification

Display Size	40-Inch 15 : 9 Diagonal Screen
Display Mode	Variable 4 Modes (4:3 Mode/ 16:9 X 3 Modes)
Pixel Format	1280x768 Physical Pixel
Contrast Ratio	600:1
Brightness	450 cd/m ²
Resolution (RGB)	1280 X 768 / 50,60Hz
PIP	Advanced multi-windows viewing PIP(picture in picture) with four selectable window positions on Video mode
Input compatible	Multiple input compatible
Video	Advanced motion digital / Motion-Adaptive De-interlace process, Digital progressive line scaling.
Tuner Module	TV/CATV (PAL/SECAM)
programming	Favorite channel programming, Time Set, Set the Sleep timer, TTX
HDTV Input	480i(60Hz)/480p(60Hz)/576i(50Hz)/576p(50Hz)/720p(60Hz)/1080i(50,60Hz)
Color temperature	Selectable 6 Mode (Warm1,2, Normal, Cool1,2, User)

Dimension / Weight

Main Only	966(W) X 617(H) X 103(D) / 29 kg
With Stand	966(W) X 666.3(H) X 299(D) / 30.8 kg

Miscellaneous

Audio	Built-in amplifier and two speaker(7Watt/Typ.) systems (optional),Selectable fixed/variable audio output(optional)
External Control	Front OSD Key Control, Remote control, RS232C Control

Specification – 40 Inch LCD (2)

Power Consumption

Input Power	AC 100 ~ 240V 50/60Hz
Power consumption	300 Watt

Connectivity

TV1,2 Input	RF/CATV (PAL/SECAM)
Scat1,2 Input	SCART X 2Port (SCART1 (HALF), SCART2 (FULL))
Composite Input/Output	RCA X 2Port (AV INPUT, AV OUTPUT)
Component1,2 Input	RCA X 2Port (Y, Pb/Cb, Pr/Cr : 480i, 480p, 576i, 576p, 720p, 1080i)
S-Video Input	Mini Din 4Pin X 1Port
PC Input	Mini D-Sub 15Pin X 1Port / HDTV Input(480i, 480p, 576i, 576p, 720P, 1080i)
DVI Input	Mini D-Sub 29Pin X 1Port / HDTV Input(480i, 480p, 576i, 576p, 720p, 1080i)
Audio In/Output	RCA X 5Port
Speaker Output	Cinch Type X 4Port(Stereo L/R), Head Phone Jack X 1Port(Optional)
External Control Port	Mini D-Sub 9Pin X 1Port

Specification

42" Plasma TV Display Panel	
Function and Display Specification	
Display Size	42-Inch 16 : 9 Diagonal Screen
Display Mode	Variable 4 Modes (4:3 Mode / 16:9 X 3 Modes)
Pixel Format	852 X 480 Physical Pixel
Contrast Ratio	3000 : 1
Brightness	1000 cd/m ²
Resolution (RGB)	1280 X 1024 / 60Hz
PIP	Advanced multi-windows viewing PIP(picture in picture) with four selectable window positions on Video mode.
Input compatible	Multiple input compatible
Video	3D Comb filter, Advanced motion digital / Motion-Adaptive De-interlace process, Digitalprogressiveline scaling.
Tuner Module	TV / CATV (NTSC)
Programming	Favorite channel programming, Time Set, Set the Sleep timer.
HDTV Input	480i/p(60Hz)/576i/p(60Hz)/720p(50,60Hz)/1080i(50,60Hz)
Color temperature	Selectable 6 Mode (Warm1,2, Normal, Cool1,2, User)
Dimension / Weight	
Main Only	1046(W) X 635(H) X 87.3(D) / 38 kg
With Stand	1046(W) X 702(H) X 299(D) / 38.9 kg
With Stand and Speaker	1246(W) X 702(H) X 299(D) / 41.5 kg
Miscellaneous	
Audio	Built-in amplifier and two speaker(7Watt/Typ.) systems (optional), Selectable fixed/variable audio output(optional)
External Control	Front OSD Key Control, Remote control, RS232C Control
Power Consumption	
Input Power	AC 110 ~ 240V 50/60Hz
Power consumption	300 Watt
Connectivity	
TV Input	RF / CATV (NTSC)
Composite Input/Output	RCA X 4Port (AV INPUT 1/2/3, AV OUTPUT)
Component1,2 Input	RCA X 2Port (Y, Pb/Cb, Pr/Cr : 480i, 480p, 576i, 576p, 720p, 1080i)
S-Video Input	Mini Din 4Pin X 1Port
PC Input	Mini D-Sub 15Pin X 1Port / HDTV Input(480p, 576p, 720P, 1080i)
DVI Input	Mini D-Sub 29Pin X 1Port / HDTV Input(480p, 576p, 720p, 1080i)
Audio In/Output	RCA X 5Port
Speaker Output	Cinch Type X 4Port(Stereo L/R), Head Phone Jack X 1Port(Optional)
External Control Port	Mini Din 9Pin X 1Port

Specification

50" Plasma TV Display Panel	
Function and Display Specification	
Display Size	50-Inch 16 : 9 Diagonal Screen
Display Mode	Variable 4 Modes (4:3 Mode / 16:9 X 3 Modes)
Panel Pixel Format	1366 X 768 Physical Pixel
Contrast Ratio	900:1
Brightness	800 cd/m ²
Max Resolution (RGB)	1280 X 1024 / 60Hz
PIP	Advanced multi-windows viewing PIP(picture in picture) with four selectable window positions on Video mode.
Input compatible	Multiple input compatible
Video	3D Comb filter, Advanced motion digital / Motion-Adaptive De-interlace process, Digital progressive line scaling.
Tuner Module	TV / CATV (NTSC)
Programming	Favorite channel programming, Time Set, Set the Sleep timer.
HDTV Input	480i/p(60Hz)/576i/p(60Hz)/720p(50,60Hz)/1080i(50,60Hz)
Color temperature	Selectable 6 Mode (Warm1,2, Normal, Cool1,2, User)
Dimension / Weight	
Main Only	1216(W) X 732(H) X 87.3(D) / 50 kg
With Stand	1216(W) X 798(H) X 299(D) / 55 kg
With Stand and Speaker	1416(W) X 798(H) X 299(D) / 59 kg
Miscellaneous	
Audio	Built-in amplifier and two speaker(7Watt/Typ.) systems (optional), Selectable fixed/variable audio output(optional)
External Control	Front OSD Key Control, Remote control, RS232C Control
Power Consumption	
Input Power	AC 110 ~ 240V 50/60Hz
Power consumption	450 Watt
Connectivity	
TV Input	RF / CATV (NTSC)
Composite Input/Output	RCA X 4Port (AV INPUT 1/2/3, AV OUTPUT)
Component1,2 Input	RCA X 2Port (Y, Pb/Cb, Pr/Cr : 480i, 480p, 576i, 576p, 720p, 1080i)
S-Video Input	Mini Din 4Pin X 1Port
PC Input	Mini D-Sub 15Pin X 1Port / HDTV Input(480p, 576p, 720P, 1080i)
DVI Input	Mini D-Sub 29Pin X 1Port / HDTV Input(480p, 576p, 720p, 1080i)
Audio In/Output	RCA X 5Port
Speaker Output	Cinch Type X 4Port(Stereo L/R), Head Phone Jack X 1Port(Optional)
External Control Port	Mini D-Sub 9Pin X 1Port

Specification

63" Plasma TV Display Panel	
Function and Display Specification	
Display Size	63-Inch 16 : 9 Diagonal Screen
Display Mode	Variable 4 Modes (4:3 Mode / 16:9 X 3 Modes)
Panel Pixel Format	1366 X 768 Physical Pixel
Contrast Ratio	1000:1
Brightness	800 cd/m ²
Max Resolution (RGB)	1280 X 1024 / 60Hz
PIP	Advanced multi-windows viewing PIP(picture in picture) with four selectable window positions on Video mode.
Input compatible	Multiple input compatible
Video	3D Comb filter, Advanced motion digital / Motion-Adaptive De-interlace process, Digital progressive line scaling.
Tuner Module	TV / CATV (NTSC)
Programming	Favorite channel programming, Time Set, Set the Sleep timer.
HDTV Input	480i/p(60Hz)/576i/p(60Hz)/720p(50,60Hz)/1080i(50,60Hz)
Color temperature	Selectable 6 Mode (Warm1,2, Normal, Cool1,2, User)
Dimension / Weight	
Main Only	1503(W) X 893(H) X 92.6(D) / 79 kg
With Stand	1503(W) X 927(H) X 400(D) / 98 kg
With Stand and Speaker	1703(W) X 927(H) X 400(D) / 104.7 kg
Miscellaneous	
Audio	Built-in amplifier and two speaker(7Watt/Typ.) systems (optional), Selectable fixed/variable audio output(optional)
External Control	Front OSD Key Control, Remote control, RS232C Control
Power Consumption	
Input Power	AC 110 ~ 240V 50/60Hz
Power consumption	580 Watt
Connectivity	
TV Input	RF / CATV (NTSC)
Composite Input/Output	RCA X 4Port (AV INPUT 1/2/3, AV OUTPUT)
Component1,2 Input	RCA X 2Port (Y, Pb/Cb, Pr/Cr : 480i, 480p, 576i, 576p, 720p, 1080i)
S-Video Input	Mini Din 4Pin X 1Port
PC Input	Mini D-Sub 15Pin X 1Port / HDTV Input(480p, 576p, 720P, 1080i)
DVI Input	Mini D-Sub 29Pin X 1Port / HDTV Input(480p, 576p, 720p, 1080i)
Audio In/Output	RCA X 5Port
Speaker Output	Cinch Type X 4Port(Stereo L/R), Head Phone Jack X 1Port(Optional)
External Control Port	Mini D-Sub 9Pin X 1Port

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.
Digital broadcasting screen problem	• Check the digital signal strength and input antenna.
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.

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.

Memo

A large rectangular memo area with rounded corners, a blue border, and horizontal dashed blue lines for writing. The area is empty and ready for use.